

Table 5B
Table of Exceedances for Soil Samples
Initial Investigation
Non-Residential Direct Contact Soil Remediation Standard

Site 16 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP DEPTH	NRDC SRS	NUMBER OF EXCEEDENCES DETECTION/NON- DETECTION	016_C007							
			016_C007_0.6 20110707 0.6	016_C007_5.0 20110707 5	016_C007_7.5 20110707 7.5	016_C007_10.7 20110707 10.7	016_C007_10.7-D 20110707 10.7	016_C007_15.0 20110707 15	016_C007_20.0 20110707 20	016_C007_25.0 20110707 25
METALS (MG/KG)										
ANTIMONY	450	0/0	0.98 UJ	1 UJ	1.2 UJ	1.1 UJ	1 UJ	1.2 UJ	1.6 UJ	0.99 UJ
CHROMIUM	NC	NA	10.9	32.5	101	8	7.3	25.6	21.1	13.1
NICKEL	23000	0/0	16.7	12.9	19	9.5 J	8.9 J	22.4	14.1 J	11.6
THALLIUM	79	0/0	1.1 U	1.1 U	1.3 U	1.2 U	1.1 U	1.4 U	1.7 U	1.1 U
VANADIUM	1100	0/0	13.9	17.1	23.7	8.7 J	8.6 J	28.8	15.8 J	15.1
MISCELLANEOUS PARAMETERS (MG/KG)										
HEXAVALENT CHROMIUM	NC	NA	0.56 UJ	0.58 UJ	0.71 UJ	0.62 UJ	4.8 J	0.73 UJ	0.96 UJ	0.56 UJ
MISCELLANEOUS PARAMETERS (MV)										
OXIDATION REDUCTION POTENTIAL	NC	NA	385	380	360	369	366	372	370	346
MISCELLANEOUS PARAMETERS (S.U.)										
PH	NC	NA	8.31	7.87	7.96	8.47	8.44	8.07	7.84	8.44

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DETECTION EXCEEDS NRDC SRS
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LOCATION	NRDC SRS	016_C009						016_C011						
		016_C009_0.5 20110707	016_C009_5.0 20110707	016_C009_7.6 20110706	016_C009_11.7 20110706	016_C009_15.7 20110706	016_C009_23.5 20110706	016_C011_0.5 20110816	016_C011_5.0 20110816	016_C011_7.9 20110816	016_C011_10.7 20110816	016_C011_15.0 20110816	016_C011_20.0 20110816	016_C011_25.3 20110816
SAMPLE ID														
SAMPLE DATE														
TOP DEPTH		0.5	5	7.6	11.7	15.7	23.5	0.5	5	7.9	10.7	15	20	25.3
METALS (MG/KG)														
ANTIMONY	450	0.97 UJ	0.97 UJ	1 UJ	1 UJ	1.4 UJ	0.97 UJ	0.92 UJ	1.1 UJ	1 UJ	0.98 UJ	1.4 UJ	0.99 UJ	0.94 UJ
CHROMIUM	NC	20.5	36.6	8.1	8.2	28.3	10.4	21.9	44.4	6.9	8.5	30.5	18.7	12.7
NICKEL	23000	32	13.9	8.1 J	10	24.5	10.3	5.6 J	13.8	7.7 J	9.3	21.4	15.8	11.4
THALLIUM	79	1.1 U	1.1 U	1.1 U	1.1 U	1.5 U	1.1 U	1 U	1.2 U	1.2 U	1.1 U	1.6 U	1.1 U	1 U
VANADIUM	1100	21.2	15.4	7.3 J	10.5 J	30.5	15	13.8	12.6	7.6 J	8.8 J	26.8	24.1	16.1
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	NC	0.56 UJ	0.59 UJ	0.6 UJ	0.61 UJ	0.79 UJ	0.56 UJ	0.52 UJ	0.61 UJ	0.57 UJ	0.57 UJ	0.84 UJ	0.58 UJ	0.56 UJ
MISCELLANEOUS PARAMETERS (MV)														
OXIDATION REDUCTION POTENTIAL	NC	323	348	347	351	364	470	409	472	443	458	438	439	431
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	9.16	8.28	8.45	8.56	8.06	4.61	8.48	7.64	8.6	8.55	8.09	7.94	8.95

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 Jersey City, New Jersey

LOCATION	NRDC SRS	016 C013								016 C016	
		016_C013_0.5 20110824	016_C013_3.1 20110824	016_C013_7.5 20110824	016_C013_10.2 20110824	016_C013_15.0 20110824	016_C013_15.0-D 20110824	016_C013_20.0 20110824	016_C013_23.7 20110824	016_C016_0.6 20110815	016_C016_5.0 20110815
SAMPLE ID											
SAMPLE DATE											
TOP DEPTH		0.5	3.1	7.5	10.2	15	15	20	23.7	0.6	5
METALS (MG/KG)											
ANTIMONY	450	0.9 UJ	2.1 J	1 UJ	0.97 UJ	1.5 UJ	1.5 UJ	0.94 UJ	0.98 UJ	1.7 J	0.97 UJ
CHROMIUM	NC	16.5	45.2	10.7	7.4	43.9	40.1	16.7	17.1	22.8 J	25.4 J
NICKEL	23000	5.5 J	20.9	10.9	7 J	41.7	32.1	10.7	18.4	6.7 J	18.6
THALLIUM	79	0.99 U	1.1 U	1.1 U	1.1 U	1.6 U	1.7 U	1 U	1.1 U	1 U	1.1 U
VANADIUM	1100	13.1	23.3	13.1	7.2 J	28.9	27.6	23	20.4	15.5	29.9
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NC	0.54 U	0.59 U	0.62 U	0.57 U	0.88 U	0.87 U	0.55 U	0.55 U	0.59 J	0.69 J
MISCELLANEOUS PARAMETERS (MV)											
OXIDATION REDUCTION POTENTIAL	NC	464	454	462	455	305	366	494	485	526	504
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	8.68	8.39	8.14	8.52	8.15	8.13	8.26	8.35	8.31	8.72

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LOCATION	NRDC SRS	016_C017		016_D005									
		016_C017_0.4 20110817	016_C017_5.0 20110823	016_D005_0.0 20110708	016_D005_1.2 20110708	016_D005_1.7 20110708	016_D005_2.5 20110708	016_D005_3.0 20110708	016_D005_7.0 20110708	016_D005_10.0 20110708	016_D005_14.0 20110708	016_D005_17.8 20110708	016_D005_25.0 20110708
SAMPLE DATE		0.4	5	0	1.2	1.7	2.5	3	7	10	14	17.8	25
TOP DEPTH													
METALS (MG/KG)													
ANTIMONY	450	0.92 UJ	1 UJ	0.59 UJ	0.63 UJ	0.56 UJ	0.61 UJ	0.57 UJ	0.7 UJ	0.85 UJ	0.94 UJ	1.8 UJ	0.56 UJ
CHROMIUM	NC	29.6	13	275	770	738	847	509	9.8	79.6	41	12.7	9.2
NICKEL	23000	18.1	20.9	41.6	119	107	131	47.5	9.4	26	37.4	12.6 J	9.3
THALLIUM	79	1 U	1.1 U	0.33 U	0.35 U	0.31 U	0.34 U	0.31 U	0.39 U	0.47 U	0.52 U	1 U	0.31 U
VANADIUM	1100	23.9	14.9	56.1	141	143	135	67.4	9.1	31.8	31.1	20.9	12.7
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	NC	0.55 U	0.83 J	0.9 J	3.6	3.2	3.5	3	0.6 U	0.75 U	0.81 U	1.7 U	0.52 U
MISCELLANEOUS PARAMETERS (MV)													
OXIDATION REDUCTION POTENTIAL	NC	495	460	363	307	266	281	290	369	360	356	374	328
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	8.21	8.18	8.83	10	10.7	10.7	10.3	8.43	8.08	7.92	7.16	9.29

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		016_D005a_0.4 20110808	016_D005a_5.0 20110808	016_D005a_11.2 20110808	016_D005a_15.0 20110808	016_D005a_20.0 20110808	016_D005a_25.0 20110808	016_D007_0.4 20110808	016_D007_5.0 20110808	016_D007_12.2 20110808	016_D007_16.0 20110808	016_D007_20.0 20110808	016_D007_25.0 20110808
SAMPLE ID													
SAMPLE DATE													
TOP DEPTH		0.4	5	11.2	15	20	25	0.4	5	12.2	16	20	25
METALS (MG/KG)													
ANTIMONY	450	0.88 UJ	0.97 UJ	1.1 UJ	1.3 UJ	2.6 UJ	1 UJ	0.9 UJ	1.1 J	1 UJ	1.3 UJ	2.3 UJ	1 UJ
CHROMIUM	NC	12.4 J	30 J	11.8 J	24.2	19.8	16.9	16.2	61.9	6.4	29	20.9	19.2
NICKEL	23000	33.1	22.7	12.6	22.3	17 J	12.3	6.4 J	14.9	7.2 J	26	18.6 J	13.6
THALLIUM	79	0.97 U	1.1 U	1.2 U	1.4 U	2.9 U	1.1 U	1 U	1 U	1.2 U	1.5 U	2.5 U	1.1 U
VANADIUM	1100	17.8	22.2	13.8	25.2	26.8 J	24.8	20.6	27.5	7.5 J	32.9	21.5 J	26.6
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	NC	0.54 UJ	0.53 UJ	0.64 UJ	0.73 UJ	3.1 UJ	0.57 U	0.54 U	0.57 U	0.6 U	0.78 U	1.4 U	0.57 U
MISCELLANEOUS PARAMETERS (MV)													
OXIDATION REDUCTION POTENTIAL	NC	404	443	414	398	434	464	414	397	383	359	373	402
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	6.48	8.09	8.27	8.08	7.09	4.72	8.05	8.24	8.45	8.01	7.48	5.68

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		016_D008_0.4 20110810 0.4	016_D008_5.0 20110810 5	016_D008_5.0-D 20110810 5	016_D008_7.2 20110810 7.2	016_D008_11.9 20110810 11.9	016_D008_16.0 20110810 16	016_D008_20.0 20110810 20	016_D008_22.8 20110810 22.8
METALS (MG/KG)									
ANTIMONY	450	0.91 UJ	0.94 UJ	0.96 UJ	1.1 UJ	1.1 UJ	1.3 J	1.7 UJ	0.97 UJ
CHROMIUM	NC	25.2	76.7	59.1	11.3	13.3	29.4	24.2	10.4
NICKEL	23000	168	26.8	16.4	11.9	12.9	25.6	11.2 J	11
THALLIUM	79	1 U	1 U	1.1 U	1.2 U	1.2 U	1.4 U	1.8 U	1.1 U
VANADIUM	1100	24.5	28	25	14.2	19.2	33.7	16 J	14.7
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NC	0.54 UJ	0.55 UJ	0.56 UJ	0.64 UJ	0.67 UJ	0.8 UJ	1.1 UJ	0.57 UJ
MISCELLANEOUS PARAMETERS (MV)									
OXIDATION REDUCTION POTENTIAL	NC	344	452	423	396	393	366	382	420
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NC	9.66	8.3	8.04	8.56	8.37	8.12	7.97	5.97

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		016_D010_0.4 20110815 0.4	016_D010_2.5 20110815 2.5	016_D010_3.0 20110815 3	016_D010_3.5 20110815 3.5	016_D010_5.0 20110815 5	016_D010_5.7 20110815 5.7	016_D010_10.7 20110815 10.7	016_D010_15.0 20110815 15	016_D010_20.0 20110815 20	016_D010_25.0 20110815 25
METALS (MG/KG)											
ANTIMONY	450	0.89 UJ	0.97 UJ	1 UJ	1.2 UJ	1.1 UJ	1.1 UJ	0.98 UJ	1.4 UJ	3.8 UJ	0.95 UJ
CHROMIUM	NC	19.6 J	736 J	740 J	559 J	1260 J	460 J	8.1 J	31 J	34.6 J	17.8 J
NICKEL	23000	230	121	79.1	66.1	136	46.6	8.5 J	25.7	16 J	15.2
THALLIUM	79	0.97 U	1.1 U	1.1 U	1.3 U	1.2 U	1.2 U	1.1 U	1.5 U	4.2 U	1 U
VANADIUM	1100	21.4	94.8	76.6	98	187	69.1	8.8 J	31.9	21.4 J	18.4
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NC	0.55 U	0.55 U	0.57 U	0.72 U	0.65 U	0.63 U	0.59 U	0.79 U	2.2 U	0.56 U
MISCELLANEOUS PARAMETERS (MV)											
OXIDATION REDUCTION POTENTIAL	NC	438	462	461	452	429	422	458	432	443	438
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	9.4	8.59	8.52	8.24	8.84	9.05	8.46	8.24	7.68	8.7

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		016_D012_0.4 20110816 0.4	016_D012_2.6 20110816 2.6	016_D012_3.1 20110816 3.1	016_D012_5.0 20110816 5	016_D012_5.0-D 20110816 5	016_D012_10.0 20110816 10	016_D012_12.5 20110816 12.5	016_D012_16.5 20110816 16.5
METALS (MG/KG)									
ANTIMONY	450	0.9 UJ	0.99 UJ	1.1 UJ	2.6 J	1.8 J	1 UJ	1 UJ	1.4 UJ
CHROMIUM	NC	20.9	197	98	143	137	10.7	9.1	49.9
NICKEL	23000	5.5 J	26.6	18.4	20	20	8.5 J	9.4	43.8
THALLIUM	79	0.99 U	1.1 U	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.6 U
VANADIUM	1100	17.1	31.9	35.2	33.1	34.8	8.8 J	11.1 J	31
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NC	0.55 UJ	0.6 UJ	0.61 UJ	5.7 J	1 J	0.77 J	0.62 UJ	0.78 UJ
MISCELLANEOUS PARAMETERS (MV)									
OXIDATION REDUCTION POTENTIAL	NC	455	452	465	455	451	444	436	251
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NC	8.7	8.17	7.77	8.01	8.01	8.44	8.38	8.12

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		016_D014_0.5 20110817	016_D014_1.4 20110817	016_D014_1.9 20110817	016_D014_2.4 20110817	016_D014_6.5 20110817	016_D014_10.0 20110817	016_D014_16.5 20110817	016_D014_21.0 20110817	016_D014_25.0 20110817	016_D016_0.4 20110815	016_D018_0.4 20110817	016_D018_5.0 20110817	016_D018_10.0 20110817
SAMPLE ID														
SAMPLE DATE														
TOP DEPTH		0.5	1.4	1.9	2.4	6.5	10	16.5	21	25	0.4	0.4	5	10
METALS (MG/KG)														
ANTIMONY	450	0.99 UJ	0.97 UJ	1.2 J	1.8 J	1.3 J	1 UJ	1.2 UJ	0.94 UJ	0.98 UJ	3.1 J	0.98 UJ	0.98 UJ	0.92 UJ
CHROMIUM	NC	18	14	118	694	467	13.8	34.6	17.8	9.8	30.9	17.7	16.6	20.2
NICKEL	23000	4.5 J	5.9 J	22.6	51.3	25.5	8.3 J	24.6	13.8	5.9 J	19.7	10	13	18.4
THALLIUM	79	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.4 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1 U
VANADIUM	1100	16.9	17.6	40.8	57.1	40.4	7 J	24.8	21.8	13.7	24.4	19.1	15	27.8
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	NC	0.62 J	0.54 U	0.59 U	5.8	0.93 J	0.59 U	0.72 U	0.54 U	0.55 J	0.55 U	0.56 U	0.57 U	0.53 U
MISCELLANEOUS PARAMETERS (MV)														
OXIDATION REDUCTION POTENTIAL	NC	464	446	438	430	416	438	337	419	442	539	599	496	482
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	8.98	8.68	8.55	8.5	8.69	8.34	8.1	8.67	8.24	7.66	5.34	8.03	7.95

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		016_E005_0.4 20110808 0.4	016_E005_5.0 20110808 5	016_E005_8.1 20110808 8.1	016_E005_11.3 20110808 11.3	016_E005_11.3-D 20110808 11.3	016_E005_15.5 20110808 15.5	016_E005_20.0 20110808 20	016_E005_25.0 20110808 25	016_E007_0.5 20110810 0.5	016_E007_5.0 20110810 5	016_E007_8.5 20110810 8.5	016_E007_12.5 20110810 12.5	016_E007_16.5 20110810 16.5	016_E007_20.0 20110810 20	016_E007_23.5 20110810 23.5
METALS (MG/KG)																
ANTIMONY	450	0.95 UJ	0.88 UJ	1.3 UJ	1 UJ	1 UJ	1.3 UJ	2.1 UJ	0.98 UJ	1 UJ	1 UJ	0.97 UJ	1 J	1.2 UJ	2.7 UJ	0.85 UJ
CHROMIUM	NC	8.8 J	14.4 J	58.9 J	6.6 J	6.7 J	23.1 J	27.5 J	16 J	13	25.3	12.8	7.7	26.3	28.9	22.3
NICKEL	23000	5.9 J	23.4	21.4	8.3 J	8.3 J	21	22.1	11.3	11.2	7.4 J	8.2 J	9.1 J	24.5	18.4 J	15.6
THALLIUM	79	1 U	0.97 U	1.4 U	1.1 U	1.1 U	1.4 U	2.3 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.3 U	3 U	0.93 U
VANADIUM	1100	16.5	15.4	25.9	7.4 J	7.5 J	23.9	27.3	22.5	23.2	32.5	9.9 J	9 J	29.6	27.1 J	29.5
MISCELLANEOUS PARAMETERS (MG/KG)																
HEXAVALENT CHROMIUM	NC	0.55 UJ	0.54 UJ	0.73 U	0.6 UJ	0.62 UJ	0.74 UJ	2.5 UJ	0.57 UJ	0.56 UJ	0.6 UJ	0.57 UJ	0.6 UJ	0.75 UJ	1.6 UJ	0.53 UJ
MISCELLANEOUS PARAMETERS (MV)																
OXIDATION REDUCTION POTENTIAL	NC	401	312	420	399	399	392	407	448	425	414	409	388	386	405	474
MISCELLANEOUS PARAMETERS (S.U.)																
PH	NC	8.25	9.73	8.18	8.58	8.48	8.07	7.22	6.67	8.81	8.64	8.74	8.8	8.23	7.46	4.29

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 DETECTION EXCEEDS NRDC SRS
 NON-DETECTION EXCEEDS NRDC SRS

Table 5B
Table of Exceedances for Soil Samples
Initial Investigation
Non-Residential Direct Contact Soil Remediation Standard

Site 16 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP DEPTH	NRDC SRS	016_E009						
		016_E009_0.5 20110707 0.5	016_E009_3.5 20110707 3.5	016_E009_7.5 20110707 7.5	016_E009_11.7 20110707 11.7	016_E009_15.5 20110707 15.5	016_E009_20.0 20110707 20	016_E009_25.0 20110707 25
METALS (MG/KG)								
ANTIMONY	450	0.92 UJ	0.94 UJ	0.97 UJ	1 UJ	1.3 UJ	2.4 UJ	0.96 UJ
CHROMIUM	NC	34.4 J	32.4 J	6.1 J	7.1 J	27.4 J	34.5 J	15.7 J
NICKEL	23000	270 J	12.2 J	5.7 J	8.8 J	25.2 J	18.5 J	12.2 J
THALLIUM	79	1 U	1 U	1.1 U	1.1 U	1.4 U	2.6 U	1.1 U
VANADIUM	1100	25.5 J	16.1 J	8.5 J	8.8 J	31.7 J	18 J	19.6 J
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NC	0.54 UJ	0.55 UJ	0.57 UJ	0.59 UJ	0.74 UJ	1.4 J	0.56 UJ
MISCELLANEOUS PARAMETERS (MV)								
OXIDATION REDUCTION POTENTIAL	NC	369	376	383	389	396	401	413
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NC	9.01	8.07	8.52	8.5	8	7.75	5.24

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Table 5B
 Table of Exceedances for Soil Samples
 Initial Investigation
 Non-Residential Direct Contact Soil Remediation Standard
 Site 16 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP DEPTH	NRDC SRS	016_E011								016_E013						
		016_E011_0.7 20110816 0.7	016_E011_2.6 20110816 2.6	016_E011_3.4 20110816 3.4	016_E011_5.0 20110816 5	016_E011_7.2 20110816 7.2	016_E011_12.2 20110816 12.2	016_E011_20.0 20110816 20	016_E011_25.0 20110816 25	016_E013_0.5 20110825 0.5	016_E013_5.0 20110825 5	016_E013_7.8 20110825 7.8	016_E013_11.5 20110825 11.5	016_E013_11.5-D 20110825 11.5	016_E013_16.0 20110825 16	016_E013_20.0 20110825 20
METALS (MG/KG)																
ANTIMONY	450	0.97 UJ	1.3 UJ	1.7 J	2.9 J	1.1 UJ	1.1 UJ	2 UJ	0.97 UJ	1.1 J	3.2 UJ	0.97 UJ	1.1 UJ	1.4 UJ	1.4 UJ	0.96 UJ
CHROMIUM	NC	29.6	267	1670	2880	64.9	15.6	11.5	18.2	121	22.7	8.4	15.5 J	27.2 J	26.7	15.5
NICKEL	23000	8.1 J	59.4	187	272	20.4	15.8	9.8 J	14.5	21.6	15 J	10.2	14.9	27.1	23.6	11.6
THALLIUM	79	1.1 U	1.4 U	1.3 U	1.2 U	1.2 U	1.2 U	2.2 U	1.1 U	1.1 U	3.5 U	1.1 U	1.2 U	1.5 U	1.5 U	1.1 U
VANADIUM	1100	20.7	83.1	197	335	18.3	19.9	14 J	22.2	32.3	24.3 J	10.2 J	16.4	30.8	29.4	21
MISCELLANEOUS PARAMETERS (MG/KG)																
HEXAVALENT CHROMIUM	NC	4.2 J	0.71 UJ	0.65 UJ	1.6 J	0.64 UJ	0.61 UJ	1.1 UJ	0.56 UJ	0.55 UJ	2 UJ	0.61 UJ	0.7 UJ	0.8 UJ	0.77 UJ	0.57 UJ
MISCELLANEOUS PARAMETERS (MV)																
OXIDATION REDUCTION POTENTIAL	NC	424	414	400	392	390	392	442	407	407	438	441	425	419	408	437
MISCELLANEOUS PARAMETERS (S.U.)																
PH	NC	7.82	7.73	8.22	8.74	8.57	8.28	7.35	8.55	8.85	7.94	8.26	8.07	7.96	8.23	7.63

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 DETECTION EXCEEDS NRDC SRS
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Table 5B
 Table of Exceedances for Soil Samples
 Initial Investigation
 Non-Residential Direct Contact Soil Remediation Standard

Site 16 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP DEPTH	NRDC SRS	016_E015			016_E017		016_E019			
		016_E015_0.5 20110812 0.5	016_E015_5.0 20110812 5	016_E015_10.0 20110812 10	016_E017_0.5 20110815 0.5	016_E017_5.0 20110815 5	016_E019_0.6 20110822 0.6	016_E019_5.5 20110822 5.5	016_E019_10.0 20110822 10	016_E019_10.0-D 20110822 10
METALS (MG/KG)										
ANTIMONY	450	1.5 J	0.93 UJ	1 UJ	0.95 UJ	0.98 UJ	1 UJ	0.98 UJ	1.5 UJ	1.5 UJ
CHROMIUM	NC	39	7	13.7	8.9	17.9	12.6	19.7	25.5	24.6
NICKEL	23000	14 J	7.6 J	10.7 J	8.9	14	11.9	16.6	18.3	17.5
THALLIUM	79	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.7 U	1.6 U
VANADIUM	1100	25.7	7.9 J	18.7	10 J	23.2	14	19.5	25.7	24
MISCELLANEOUS PARAMETERS (MG/KG)										
HEXAVALENT CHROMIUM	NC	0.55 UJ	1.7 J	0.58 UJ	0.54 U	0.75 J	0.61 UJ	0.55 UJ	0.85 UJ	0.9 UJ
MISCELLANEOUS PARAMETERS (MV)										
OXIDATION REDUCTION POTENTIAL	NC	284	418	418	573	525	503	443	433	412
MISCELLANEOUS PARAMETERS (S.U.)										
PH	NC	11	7.94	8.15	7.7	8.28	7.06	8.31	7.92	7.93

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Table 5B
 Table of Exceedances for Soil Samples
 Initial Investigation
 Non-Residential Direct Contact Soil Remediation Standard
 Site 16 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP DEPTH	NRDC SRS	016_F005									016_F005a						
		016_F005_0.0 20110708 0	016_F005_1.0 20110708 1	016_F005_1.5 20110708 1.5	016_F005_2.1 20110708 2.1	016_F005_5.0 20110708 5	016_F005_10.0 20110708 10	016_F005_14.0 20110708 14	016_F005_20.0 20110708 20	016_F005_23.0 20110708 23	016_F005a_0.4 20110808 0.4	016_F005a_5.0 20110808 5	016_F005a_7.8 20110808 7.8	016_F005a_12.2 20110808 12.2	016_F005a_16.0 20110808 16	016_F005a_20.0 20110808 20	016_F005a_23.1 20110808 23.1
METALS (MG/KG)																	
ANTIMONY	450	0.55 UJ	0.66 UJ	0.7 UJ	0.7 UJ	0.54 UJ	0.78 UJ	0.82 UJ	0.73 UJ	0.6 UJ	0.89 UJ	0.92 UJ	1.1 UJ	1.1 UJ	1.4 UJ	1.7 UJ	1.1 UJ
CHROMIUM	NC	522	2860	1820	1500	497	36.4	22	21.9	12.7	8.3 J	70.6 J	39.6 J	12.5 J	26.3 J	17.9 J	11.3 J
NICKEL	23000	80.8	403	526	406	8.6	23.1	20.9	17.6	13.2	4.1 J	24.3	16.4	12.5	23.8	10.8 J	16.3
THALLIUM	79	0.31 U	0.36 U	0.39 U	0.39 U	0.3 U	0.43 U	0.45 U	0.4 U	0.33 U	0.98 U	1 U	1.2 U	1.2 U	1.5 U	1.9 U	1.2 U
VANADIUM	1100	93.9	463	651	428	19.6	28	23.6	30.6	17	14.7	25	17.6	15	27.6	26.2	18.1
MISCELLANEOUS PARAMETERS (MG/KG)																	
HEXAVALENT CHROMIUM	NC	0.53 U	18.7	32.3	45.5	2.3	0.7 U	0.79 U	0.64 U	0.55 U	0.54 U	0.57 U	0.66 J	0.63 U	0.76 U	0.99 U	0.59 U
MISCELLANEOUS PARAMETERS (MV)																	
OXIDATION REDUCTION POTENTIAL	NC	307	265	302	268	286	298	388	389	363	481	412	413	397	380	399	385
MISCELLANEOUS PARAMETERS (S.U.)																	
PH	NC	8.74	11.5	11.6	11.5	9.38	9.27	7.83	7.44	8.89	7.54	8.17	8	8.32	8.12	7.11	8.11

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Table 5B
 Table of Exceedances for Soil Samples
 Initial Investigation
 Non-Residential Direct Contact Soil Remediation Standard

Site 16 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION	NRDC SRS	016_F007						016_F008						
		016_F007_0.6 20110809	016_F007_5.0 20110809	016_F007_11.5 20110809	016_F007_15.5 20110809	016_F007_20.0 20110809	016_F007_24.0 20110809	016_F008_0.4 20110810	016_F008_5.0 20110810	016_F008_7.8 20110810	016_F008_11.2 20110810	016_F008_15.6 20110810	016_F008_20.0 20110810	016_F008_23.2 20110810
SAMPLE ID														
SAMPLE DATE														
TOP DEPTH		0.6	5	11.5	15.5	20	24	0.4	5	7.8	11.2	15.6	20	23.2
METALS (MG/KG)														
ANTIMONY	450	0.93 UJ	1 UJ	1.1 UJ	1.1 UJ	2.4 UJ	1 UJ	0.96 UJ	1.2 J	0.95 UJ	0.97 UJ	1.3 UJ	2.5 UJ	0.98 UJ
CHROMIUM	NC	77.3 J	75.7	9.6	12	23.6	18.5	17.2	57	7.4	9.9	19	17	16.7
NICKEL	23000	29.5	22.1	11.6	13.8	17.4 J	17.1	9.1	30.9	8.1 J	11	17.9	16.4 J	13.3
THALLIUM	79	1 U	1.1 U	1.2 U	1.2 U	2.7 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.4 U	2.8 U	1.1 U
VANADIUM	1100	20.3	28.6	13.3	13.1	34.2	26.1	17.3	30.3	8.8 J	12.6	21	23.6 J	24.3
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	NC	0.53 UJ	0.59 UJ	0.61 UJ	0.62 UJ	1.5 UJ	0.57 UJ	0.55 UJ	1.1 J	0.59 UJ	0.6 UJ	15.1 J	6.4 J	0.56 UJ
MISCELLANEOUS PARAMETERS (MV)														
OXIDATION REDUCTION POTENTIAL	NC	381	426	390	381	390	445	390	404	402	399	378	411	454
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	8.78	8.05	8.38	8.12	7.65	7.18	8.72	8.56	8.45	8.38	8.05	7.64	5.52

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Table 5B
 Table of Exceedances for Soil Samples
 Initial Investigation
 Non-Residential Direct Contact Soil Remediation Standard
 Site 16 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP DEPTH	NRDC SRS	016 F10									
		016_F010_0.4 20110823 0.4	016_F010_2.0 20110823 2	016_F010_3.0 20110823 3	016_F010_5.0 20110823 5	016_F010_7.8 20110823 7.8	016_F010_12.3 20110823 12.3	016_F010_12.3-D 20110823 12.3	016_F010_16.0 20110823 16	016_F010_20.0 20110823 20	016_F010_25.0 20110823 25
METALS (MG/KG)											
ANTIMONY	450	0.94 UJ	1.6 J	1.1 UJ	1 UJ	1 UJ	1.1 UJ	1.2 UJ	1.1 UJ	1.3 UJ	0.91 UJ
CHROMIUM	NC	9.6 J	140	374	150	6.5	19	19	19.7	13	13.7
NICKEL	23000	8.2 J	28.1	48.7	80.3	8 J	18.7	18.9	19.1	9.6 J	11
THALLIUM	79	1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U	1.3 U	1.2 U	1.5 U	1 U
VANADIUM	1100	18	33.2	57.6	35.3	6.8 J	23.6	22.4	22.9	17.9	17.4
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NC	2.2 J	0.77 J	0.61 UJ	0.61 UJ	0.89 J	0.67 UJ	0.7 UJ	0.67 UJ	0.81 UJ	0.59 UJ
MISCELLANEOUS PARAMETERS (MV)											
OXIDATION REDUCTION POTENTIAL	NC	440	449	431	401	463	431	421	412	429	412
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	8.66	8.28	8.51	8.94	8.45	8.23	8.18	8.17	7.63	8.82

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Table 5B
 Table of Exceedances for Soil Samples
 Initial Investigation
 Non-Residential Direct Contact Soil Remediation Standard

Site 16 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP DEPTH	NRDC SRS	016_F012							
		016_F012_0.5 20110818 0.5	016_F012_2.0 20110818 2	016_F012_3.0 20110818 3	016_F012_5.1 20110818 5.1	016_F012_7.0 20110818 7	016_F012_11.9 20110818 11.9	016_F012_20.0 20110818 20	016_F012_25.0 20110818 25
METALS (MG/KG)									
ANTIMONY	450	0.9 UJ	0.99 UJ	2.7 UJ	5.1 UJ	1 UJ	1.1 UJ	1 UJ	1 UJ
CHROMIUM	NC	25.5 J	89.2 J	2340 J	5030 J	14.7 J	7.4 J	14.6 J	13.5 J
NICKEL	23000	10.5	38.4	267	358	8.3 J	7.9 J	17.4	10.2
THALLIUM	79	0.99 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U
VANADIUM	1100	23.4	27.2	366	586	8.4 J	8.8 J	21.6	17.1
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NC	0.54 UJ	0.59 UJ	13.3 J	44.4 J	0.58 UJ	0.61 UJ	0.61 UJ	0.58 UJ
MISCELLANEOUS PARAMETERS (MV)									
OXIDATION REDUCTION POTENTIAL	NC	440	442	295	280	404	413	417	444
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NC	9.03	8.32	10.7	11.1	8.62	8.37	7.98	6.71

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Table 5B
 Table of Exceedances for Soil Samples
 Initial Investigation
 Non-Residential Direct Contact Soil Remediation Standard

Site 16 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION	NRDC SRS	016_F014									016_F016			
		016_F014_0.4 20110812	016_F014_1.9 20110812	016_F014_2.4 20110812	016_F014_2.9 20110812	016_F014_7.0 20110812	016_F014_10.7 20110812	016_F014_15.5 20110812	016_F014_20.0 20110812	016_F014_25.0 20110812	016_F016_0.5 20110818	016_F016_5.0 20110818	6_F016_5.0_DO_NOT_U 20110812	016_F016_5.0-D 20110818
SAMPLE ID														
SAMPLE DATE														
TOP DEPTH		0.4	1.9	2.4	2.9	7	10.7	15.5	20	25	0.5	5	5	5
METALS (MG/KG)														
ANTIMONY	450	0.97 UJ	1.1 UJ	6.6 UJ	0.9 UJ	1.1 UJ	1 UJ	1 UJ	2 UJ	0.9 UJ	0.94 UJ	0.96 UJ	0.98 UJ	1 UJ
CHROMIUM	NC	394 J	45.8 J	7030 J	1130 J	7.2 J	10.7	8.1	9.7	15	41.2 J	96.8 J	244	109 J
NICKEL	23000	36.8	19.1	525	12	7.5 J	7.8 J	7 J	8.9 J	11.9 J	9.5	18.7	17 J	17.6
THALLIUM	79	1.1 U	1.2 U	5.8 U	0.99 U	1.2 U	1.1 U	1.1 U	2.2 U	0.99 U	1 U	1.1 U	1.1 U	1.1 U
VANADIUM	1100	64.1	20.3	800	38.7	8.1 J	16.2	7.8 J	11.4 J	19.9	20.6	26.7	28.7	23.1
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	NC	0.57 UJ	4.1 J	63.3 J	4.4 J	0.61 UJ	0.58 UJ	1 J	1.1 UJ	2 J	0.61 J	1.1 J	0.61 UJ	0.83 J
MISCELLANEOUS PARAMETERS (MV)														
OXIDATION REDUCTION POTENTIAL	NC	459	410	314	330	411	406	399	411	390	417	438	438	464
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	7.97	8.2	10.6	9.79	8.2	8.45	8.57	7.64	9.03	9.04	8.24	8.2	8.3

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Table 5B
 Table of Exceedances for Soil Samples
 Initial Investigation
 Non-Residential Direct Contact Soil Remediation Standard

Site 16 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION	NRDC SRS	016_G005						016_G007						
		016_G005_0.5 20110705	016_G005_3.5 20110706	016_G005_7.4 20110706	016_G005_10.5 20110706	016_G005_15.0 20110706	016_G005_20.0 20110706	016_G007_0.4 20110809	016_G007_5.0 20110809	016_G007_8.1 20110809	016_G007_12.2 20110809	016_G007_16.0 20110809	016_G007_20.0 20110809	016_G007_23.1 20110809
SAMPLE ID														
SAMPLE DATE														
TOP DEPTH		0.5	3.5	7.4	10.5	15	20	0.4	5	8.1	12.2	16	20	23.1
METALS (MG/KG)														
ANTIMONY	450	1 UJ	0.94 UJ	0.98 UJ	1.1 UJ	1.4 UJ	1.4 UJ	0.98 UJ	1 UJ	1 UJ	0.98 UJ	1.3 UJ	1.6 UJ	1 UJ
CHROMIUM	NC	71.1	30	7	6.6	27	30.2	60.9 J	64.5 J	7.3 J	6.3 J	28.4 J	19.9 J	10.9 J
NICKEL	23000	332	19.9	8.6 J	7.6 J	25.1	25.7	281	46.7	8 J	8.1 J	26.2	22.6	12.6
THALLIUM	79	1.1 U	1 U	1.1 U	1.2 U	1.5 U	1.6 U	1.1 U	1.1 U	1.1 U	1.1 U	1.5 U	1.7 U	1.1 U
VANADIUM	1100	26.4	24.3	7.8 J	7.7 J	30	29.6	23.6	23.2	8.4 J	7.1 J	30.6	30.1	24.6
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	NC	0.58 U	0.55 UJ	0.58 UJ	0.61 UJ	0.79 UJ	0.8 UJ	0.56 UJ	0.61 UJ	0.6 UJ	0.6 UJ	0.77 UJ	0.93 UJ	0.57 UJ
MISCELLANEOUS PARAMETERS (MV)														
OXIDATION REDUCTION POTENTIAL	NC	--	313	321	376	373	380	341	403	398	400	380	408	375
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	--	8.24	8.25	8.42	8.08	7.55	9.52	7.91	8.46	8.4	8.14	7.28	8.65

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 NRDC SRS = RESIDENTIAL DIRECT CONTACT SOIL
 REMEDIATION STANDARD
 NC = NO CRITERIA
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 DETECTION EXCEEDS NRDC SRS
 NON-DETECTION EXCEEDS NRDC SRS

Table 5B
Table of Exceedances for Soil Samples
Initial Investigation
Non-Residential Direct Contact Soil Remediation Standard

Site 16 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

LOCATION	NRDC SRS	016_G008									016_G009						
		016_G008_0.5 20110810	016_G008_5.0 20110810	016_G008_6.0 20110810	016_G008_7.7 20110810	016_G008_11.2 20110810	016_G008_11.2-D 20110810	016_G008_15.5 20110810	016_G008_20.0 20110810	016_G008_25.0 20110810	016_G009_1.1 20110707	016_G009_5.0 20110707	016_G009_10.0 20110707	016_G009_12.5 20110707	016_G009_16.5 20110707	016_G009_20.5 20110707	016_G009_25.0 20110707
SAMPLE ID																	
SAMPLE DATE																	
TOP DEPTH		0.5	5	6	7.7	11.2	11.2	15.5	20	25	1.1	5	10	12.5	16.5	20.5	25
METALS (MG/KG)																	
ANTIMONY	450	0.92 UJ	1.3 UJ	0.97 UJ	0.9 UJ	0.97 UJ	1 UJ	1.1 UJ	1.2 UJ	1 UJ	0.94 UJ	1.2 UJ	1 UJ	1 UJ	1.4 UJ	2.3 UJ	0.99 UJ
CHROMIUM	NC	11.6	225	134	7.9	6.8	6.7	17.5	21.2	12.8	105 J	175 J	6.1 J	8 J	27.2 J	10.6 J	19.9 J
NICKEL	23000	14.6	41.2	20.2	7.7 J	8.1 J	7.7 J	15.5	17.5	11.7	16.8 J	29.5 J	7.6 J	9.2 J	25 J	11.4 J	12.6 J
THALLIUM	79	1 U	1.4 U	1.1 U	0.99 U	1.1 U	1.2 U	1.2 U	1.3 U	1.1 U	1 U	1.3 U	1.1 U	1.1 U	1.5 U	2.5 U	1.1 U
VANADIUM	1100	20.4	49.4	23.1	7.6 J	7.8 J	7.4 J	17.6	22.2	19.2	39.9 J	39.8 J	7.6 J	9.8 J	30.8 J	17 J	22.9 J
MISCELLANEOUS PARAMETERS (MG/KG)																	
HEXAVALENT CHROMIUM	NC	0.53 UJ	0.75 UJ	0.6 UJ	0.58 UJ	0.62 UJ	0.6 UJ	0.65 UJ	1.6 J	0.58 UJ	0.57 UJ	0.64 UJ	0.6 UJ	0.61 UJ	0.78 UJ	1.3 UJ	0.56 UJ
MISCELLANEOUS PARAMETERS (MV)																	
OXIDATION REDUCTION POTENTIAL	NC	388	398	395	406	404	404	391	397	398	340	348	425	424	413	348	396
MISCELLANEOUS PARAMETERS (S.U.)																	
PH	NC	8.94	8.54	8.73	8.52	8.57	8.47	8.35	7.98	8.32	8.62	8.34	8.48	8.26	7.98	7.33	8.22

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Table 5B
 Table of Exceedances for Soil Samples
 Initial Investigation
 Non-Residential Direct Contact Soil Remediation Standard
 Site 16 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP DEPTH	NRDC SRS	016_G010									016_G011						
		016_G010_0.6 20110811 0.6	016_G010_3.0 20110811 3	016_G010_3.4 20110811 3.4	016_G010_5.0 20110811 5	016_G010_7.9 20110811 7.9	016_G010_12.9 20110811 12.9	016_G010_17.0 20110811 17	016_G010_21.0 20110811 21	016_G010_25.0 20110811 25	016_G011_0.7 20110811 0.7	016_G011_2.3 20110811 2.3	016_G011_3.6 20110811 3.6	016_G011_5.0 20110811 5	016_G011_11.7 20110811 11.7	016_G011_16.0 20110811 16	016_G011_20.0 20110811 20
METALS (MG/KG)																	
ANTIMONY	450	0.9 UJ	0.9 UJ	0.91 UJ	0.95 UJ	0.97 UJ	1 UJ	1.3 UJ	2.4 UJ	0.91 UJ	0.88 UJ	0.87 UJ	2.3 UJ	1 UJ	1 UJ	1.1 UJ	1.1 UJ
CHROMIUM	NC	29.4 J	55.2 J	991 J	60.9 J	6.7 J	15.7 J	51.3 J	19 J	19.3 J	21.6	145	2020	33.8	6.2	9.8	16.3
NICKEL	23000	26.3	14.2	76	10.5	7.9 J	14.9	53.1	13.7 J	14.4	6.4 J	14.8	162	16.5	6.9 J	11	14
THALLIUM	79	0.99 U	0.99 U	1 U	1 U	1.1 U	1.1 U	1.4 U	2.7 U	1 U	0.97 U	0.96 U	1 U	1.1 U	1.1 U	1.2 U	1.2 U
VANADIUM	1100	32.2	31.5	117	10.8	7.5 J	17.3	32.5	26.2 J	22.7	21.3	25.4	226	12.9	7.2 J	11.8 J	16.6
MISCELLANEOUS PARAMETERS (MG/KG)																	
HEXAVALENT CHROMIUM	NC	0.54 U	0.53 U	0.57 U	0.57 U	0.57 U	0.63 U	0.77 U	1.5 U	0.55 U	0.55 U	0.53 U	1.4 J	0.59 U	0.6 U	0.65 U	0.67 U
MISCELLANEOUS PARAMETERS (MV)																	
OXIDATION REDUCTION POTENTIAL	NC	382	404	414	411	418	425	411	423	428	439	424	399	409	413	395	386
MISCELLANEOUS PARAMETERS (S.U.)																	
PH	NC	9.29	8.77	8.24	8.5	8.39	8.42	8.23	7.52	5.15	9.01	8.75	8.95	8.55	8.41	8.4	8.43

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Table 5B
 Table of Exceedances for Soil Samples
 Initial Investigation
 Non-Residential Direct Contact Soil Remediation Standard
 Site 16 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP DEPTH	NRDC SRS	016_G012							
		016_G012_0.6 20110811 0.6	016_G012_2.9 20110811 2.9	016_G012_3.4 20110811 3.4	016_G012_5.0 20110811 5	016_G012_7.8 20110811 7.8	016_G012_13.2 20110811 13.2	016_G012_17.0 20110811 17	016_G012_21.0 20110811 21
METALS (MG/KG)									
ANTIMONY	450	0.91 UJ	1 UJ	0.89 UJ	0.98 UJ	1 UJ	1 UJ	1.3 UJ	1.1 UJ
CHROMIUM	NC	18.8	11.7	563 J	250 J	7.3 J	8.1 J	25.1 J	16.5 J
NICKEL	23000	5.2 J	1.6 J	35.8	13.5	7.9 J	8.3 J	21.7	20.1
THALLIUM	79	1 U	1.1 U	0.98 U	1.1 U	1.1 U	1.1 U	1.4 U	1.2 U
VANADIUM	1100	16.6	9.8 J	55.5	13.7	8.8 J	9.4 J	27.3	21.2
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NC	0.58 U	0.58 U	1.2 J	0.58 U	0.6 U	0.59 U	0.77 U	0.62 U
MISCELLANEOUS PARAMETERS (MV)									
OXIDATION REDUCTION POTENTIAL	NC	398	394	409	475	452	427	414	409
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NC	8.77	8.75	8.61	7.91	8.36	8.38	8.28	8.21

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Table 5B
Table of Exceedances for Soil Samples
Initial Investigation
Non-Residential Direct Contact Soil Remediation Standard

Site 16 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP DEPTH	NRDC SRS	016_G013								
		016_G013_0.6 20110811 0.6	016_G013_2.7 20110811 2.7	016_G013_3.3 20110811 3.3	016_G013_3.8 20110811 3.8	016_G013_7.0 20110811 7	016_G013_12.8 20110811 12.8	016_G013_17.0 20110811 17	016_G013_21.0 20110811 21	016_G013_25.0 20110811 25
METALS (MG/KG)										
ANTIMONY	450	0.99 UJ	0.98 UJ	2.5 UJ	0.89 UJ	1 UJ	0.96 UJ	1.1 UJ	2.9 UJ	1 UJ
CHROMIUM	NC	147	182	4930	905	8.5	6.9	15.6	13.4	7.1
NICKEL	23000	24.3	13.3	428	28.6	7.5 J	8.3 J	14.9	16.3 J	7 J
THALLIUM	79	1.1 U	1.1 U	2.8 U	0.98 U	1.1 U	1.1 U	1.2 U	3.2 U	1.1 U
VANADIUM	1100	28.7	30.6	504	61.2	7.7 J	7 J	16.6	21.4 J	7.4 J
MISCELLANEOUS PARAMETERS (MG/KG)										
HEXAVALENT CHROMIUM	NC	4.4	1.6 J	94.9	6.3	0.58 U	0.57 U	0.65 U	1.6 U	0.59 U
MISCELLANEOUS PARAMETERS (MV)										
OXIDATION REDUCTION POTENTIAL	NC	343	345	279	340	396	392	378	398	383
MISCELLANEOUS PARAMETERS (S.U.)										
PH	NC	10.5	9.93	11.3	9.68	8.56	8.56	8.35	7.31	8.35

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Table 5B
 Table of Exceedances for Soil Samples
 Initial Investigation
 Non-Residential Direct Contact Soil Remediation Standard
 Site 16 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP DEPTH	NRDC SRS	016_G014									016_G015		016_G016
		016_G014_0.5 20110818 0.5	016_G014_2.0 20110818 2	016_G014_2.5 20110818 2.5	016_G014_3.2 20110818 3.2	016_G014_7.0 20110818 7	016_G014_10.0 20110818 10	016_G014_13.3 20110818 13.3	016_G014_21.0 20110818 21	016_G014_25.0 20110818 25	016_G015_0.6 20110815 0.6	016_G015_10.3 20110815 10.3	016_G016_0.6 20110812 0.6
METALS (MG/KG)													
ANTIMONY	450	0.87 UJ	0.94 UJ	13.7 UJ	0.96 UJ	1 UJ	1 UJ	1 UJ	3 UJ	0.99 UJ	0.96 UJ	1 UJ	0.94 UJ
CHROMIUM	NC	60.8	35.5	6680	718	8.7 J	9.5 J	11 J	22.9 J	12.8 J	173	23.1	28.5
NICKEL	23000	8.8	2.2 J	468	14.4	7.5 J	6.5 J	11.7	14.4 J	10.6	26.3	8.1 J	4.9 J
THALLIUM	79	0.96 U	1 U	15.1 U	1.1 U	1.1 U	1.1 U	1.1 U	3.3 U	1.1 U	1.1 U	1.1 U	1 U
VANADIUM	1100	26	16.7	765	21.5	7.6 J	8.2 J	13.3	23.1 J	14.3	27.1	6.3 J	20.1
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	NC	1.5 J	0.55 UJ	222 J	1 J	0.56 UJ	0.61 UJ	0.61 UJ	2.4 J	0.59 UJ	0.57 U	7.1	2.4 J
MISCELLANEOUS PARAMETERS (MV)													
OXIDATION REDUCTION POTENTIAL	NC	469	406	280	347	417	431	412	404	430	490	511	425
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	8.92	9.32	11.1	9.59	8.37	8.35	8.34	7.57	7.6	9.29	8.18	8.91

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Table 5B
 Table of Exceedances for Soil Samples
 Initial Investigation
 Non-Residential Direct Contact Soil Remediation Standard
 Site 16 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP DEPTH	NRDC SRS	016_G017						016_H005								
		016_G017_0.6 20110822 0.6	016_G017_1.1 20110822 1.1	016_G017_1.1-D 20110822 1.1	016_G017_2.1 20110822 2.1	016_G017_5.8 20110822 5.8	016_G017_10.0 20110822 10	016_H005_0.5 20110705 0.5	016_H005_3.2 20110705 3.2	016_H005_5.0 20110705 5	016_H005_5.5 20110705 5.5	016_H005_6.0 20110705 6	016_H005_11.5 20110705 11.5	016_H005_15.5 20110705 15.5	016_H005_19.5 20110705 19.5	016_H005_23.5 20110705 23.5
METALS (MG/KG)																
ANTIMONY	450	0.88 UJ	0.91 UJ	0.93 UJ	0.95 UJ	0.99 UJ	1.5 UJ	0.96 UJ	0.9 UJ	1 UJ	3 UJ	0.95 UJ	1 UJ	1.1 UJ	1 UJ	1.3 UJ
CHROMIUM	NC	827	760	756	64.3	20.2	23.6	12	16.7	281	3910	1830	20.1	1590	8.4	31.2
NICKEL	23000	56.8	83.2	50.6	15.5	10.2	16.5	28.9	14.9	30.9	557	31.5	18	244	7 J	24.4
THALLIUM	79	0.97 U	1 U	1 U	1 U	1.1 U	1.6 U	1.1 U	0.99 U	1.1 U	3.3 U	1 U	1.1 U	1.2 U	1.1 U	1.4 U
VANADIUM	1100	89.1	105	69.7	22.6	17.7	22.5	19.7	24.1	53.6	1060	67.1	22.5	357	7.4 J	30.9
MISCELLANEOUS PARAMETERS (MG/KG)																
HEXAVALENT CHROMIUM	NC	14.3 J	14.2 J	11.7 J	1.3 J	0.58 UJ	0.83 UJ	0.55 U	0.53 U	0.6 U	3.1	9.2	0.59 U	1.5 J	0.61 U	0.78 U
MISCELLANEOUS PARAMETERS (MV)																
OXIDATION REDUCTION POTENTIAL	NC	429	433	436	451	449	390	355	349	361	320	312	340	267	329	325
MISCELLANEOUS PARAMETERS (S.U.)																
PH	NC	9.01	8.79	8.82	8.34	8.09	7.88	9.59	8.81	8.27	8.75	9.38	8.65	8.65	8.48	7.86

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Table 5B
 Table of Exceedances for Soil Samples
 Initial Investigation
 Non-Residential Direct Contact Soil Remediation Standard
 Site 16 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP DEPTH	NRDC SRS	016_H007							
		016_H007_0.5 20110706 0.5	016_H007_3.5 20110706 3.5	016_H007_7.5 20110706 7.5	016_H007_11.5 20110706 11.5	016_H007_15.0 20110706 15	016_H007_20.0 20110706 20	016_H007_23.3 20110706 23.3	016_H007_27.5 20110706 27.5
METALS (MG/KG)									
ANTIMONY	450	0.99 UJ	1 UJ	1 UJ	1.1 UJ	1.2 UJ	2.1 UJ	1 UJ	0.97 UJ
CHROMIUM	NC	116 J	64.5 J	8.6 J	9.3 J	19.8 J	36.4 J	12.6 J	6.5 J
NICKEL	23000	351	21.9	9.4	10.4	17.9	30.7	11.3	10 J
THALLIUM	79	1.1 U	1.1 U	1.1 U	1.2 U	1.3 U	2.3 U	1.1 U	1.1 U
VANADIUM	1100	36.1	25.3	9.4 J	12.7	20.5	46.1	22.7	7.2 J
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NC	0.6 UJ	0.6 UJ	0.6 UJ	0.62 UJ	0.7 UJ	1.2 UJ	0.56 UJ	0.61 UJ
MISCELLANEOUS PARAMETERS (MV)									
OXIDATION REDUCTION POTENTIAL	NC	340	369	367	388	375	393	379	455
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NC	9.63	8.19	8.48	8.53	8.48	7.23	7.54	8.83

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Table 5B
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 Non-Residential Direct Contact Soil Remediation Standard
 Site 16 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP DEPTH	NRDC SRS	016_H008								016_H009					
		016_H008_0.4 20110810	016_H008_2.2 20110810	016_H008_2.7 20110810	016_H008_5.0 20110810	016_H008_11.3 20110810	016_H008_15.5 20110810	016_H008_20.0 20110810	016_H008_23.3 20110810	016_H009_0.4 20110819	016_H009_5.0 20110819	016_H009_5.0-D 20110819	016_H009_10.0 20110819	016_H009_20.0 20110819	016_H009_25.0 20110819
METALS (MG/KG)															
ANTIMONY	450	0.97 UJ	0.94 UJ	0.98 UJ	0.91 UJ	0.97 UJ	1.3 UJ	0.029 UJ	0.022 UJ	0.92 UJ	1 UJ	0.98 UJ	1 UJ	0.99 UJ	1 UJ
CHROMIUM	NC	57.5	147	1290	139	7.5	31.4	0.63	0.33	36.7 J	131 J	205 J	10.9 J	11.1	15.7
NICKEL	23000	40	20.6	173	15.6	8.9	26.5	0.58	0.36	3220	9.8	9.8	7.7 J	12.2	12.5
THALLIUM	79	1.1 U	1 U	1.1 U	1 U	1.1 U	1.4 U	0.032 U	0.024 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
VANADIUM	1100	38	31.1	260	17.7	8.5 J	34.1	0.79	0.38	26.3	12.2	10.9 J	7 J	14.1	19.9
MISCELLANEOUS PARAMETERS (MG/KG)															
HEXAVALENT CHROMIUM	NC	0.54 UJ	1.3 J	2.1 J	0.81 J	0.59 UJ	0.81 U	0.84 U	0.61 U	0.55 U	0.58 U	5.4	0.6 U	0.58 U	0.56 U
MISCELLANEOUS PARAMETERS (MV)															
OXIDATION REDUCTION POTENTIAL	NC	397	433	413	385	406	374	371	424	404	435	442	434	413	420
MISCELLANEOUS PARAMETERS (S.U.)															
PH	NC	9.07	8.3	8.71	9.41	8.45	8.24	7.79	7.9	9.78	8.21	7.97	8.63	8.74	8.98

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Site 16 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP DEPTH	NRDC SRS	016_H010									
		016_H010_0.5 20110817 0.5	016_H010_2.4 20110817 2.4	016_H010_2.9 20110817 2.9	016_H010_3.4 20110817 3.4	016_H010_7.5 20110817 7.5	016_H010_12.2 20110817 12.2	016_H010_16.0 20110817 16	016_H010_20.0 20110817 20	016_H010_25.0 20110817 25	016_H010_25.0-D 20110817 25
METALS (MG/KG)											
ANTIMONY	450	0.92 UJ	0.91 UJ	4.6 J	0.99 UJ	1 UJ	1 UJ	1.3 UJ	1.7 UJ	0.98 UJ	0.92 UJ
CHROMIUM	NC	55.4	184	2390	671	12.9	6.7	27	21.1	11.6	11
NICKEL	23000	534	30.4	312	26	7.8 J	7.7 J	24.2	16.5	14.8	13.4
THALLIUM	79	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.5 U	1.9 U	1.1 U	1 U
VANADIUM	1100	40.4	45.7	265	50.7	6.9 J	8.9 J	30.7	23.9	15.3	13.8
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NC	0.54 U	0.57 U	2.3 J	0.67 J	0.56 U	0.58 U	0.8 U	1 U	0.59 U	0.58 J
MISCELLANEOUS PARAMETERS (MV)											
OXIDATION REDUCTION POTENTIAL	NC	436	442	422	430	438	435	406	448	446	414
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	9.57	8.7	8.88	8.66	8.41	8.38	8.28	7.85	8.48	8.4

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 Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP DEPTH	NRDC SRS	016_H011							
		016_H011_0.6 20110816 0.6	016_H011_1.1 20110816 1.1	016_H011_1.6 20110816 1.6	016_H011_2.2 20110816 2.2	016_H011_2.7 20110816 2.7	016_H011_3.2 20110816 3.2	016_H011_8.0 20110816 8	016_H011_25.0 20110816 25
METALS (MG/KG)									
ANTIMONY	450	0.91 UJ	0.92 UJ	0.96 UJ	0.97 UJ	5 J	1 UJ	1 UJ	1 UJ
CHROMIUM	NC	48.3	42.8	525	155	4440	709	12.1	10.6
NICKEL	23000	4.6 J	6.5 J	81.4	16.4	390	54.2	8.3 J	12.9
THALLIUM	79	1 U	1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U
VANADIUM	1100	15.1	24.1	68.2	30.7	379	48.8	7.2 J	13.7
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NC	1.4 J	1.1 J	1.8 J	0.57 UJ	18.9 J	17.5 J	0.59 UJ	0.57 UJ
MISCELLANEOUS PARAMETERS (MV)									
OXIDATION REDUCTION POTENTIAL	NC	433	438	420	396	303	341	403	428
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NC	9.21	8.88	9.1	9.49	11	10.3	8.56	7

U = NON DETECT
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 DETECTION EXCEEDS NRDC SRS
 NON-DETECTION EXCEEDS NRDC SRS

Table 5B
 Table of Exceedances for Soil Samples
 Initial Investigation
 Non-Residential Direct Contact Soil Remediation Standard
 Site 16 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP DEPTH	NRDC SRS	016_H012									
		016_H012_0.5 20110826 0.5	016_H012_2.2 20110826 2.2	016_H012_2.7 20110826 2.7	016_H012_3.3 20110826 3.3	016_H012_6.5 20110826 6.5	016_H012_6.5-D 20110826 6.5	016_H012_12.2 20110826 12.2	016_H012_16.0 20110826 16	016_H012_20.0 20110826 20	016_H012_25.0 20110826 25
METALS (MG/KG)											
ANTIMONY	450	0.92 UJ	0.94 UJ	1 UJ	0.99 UJ	0.96 UJ	1 UJ	0.94 UJ	1.3 UJ	0.97 UJ	1.3 UJ
CHROMIUM	NC	38.8	71.5	2660	168	206	166	6.2	23.9	9.4	22.7
NICKEL	23000	4.2 J	8.6	342	14.2	7.9 J	7 J	7.4 J	21.9	11.9	19.9
THALLIUM	79	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.4 U	1.1 U	1.4 U
VANADIUM	1100	14	24.1	417	18.8	6.5 J	6.8 J	7.1 J	26.7	12.4	24.1
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NC	1.2 J	1 J	23.6 J	6.6 J	12.5 J	3.9 J	0.92 J	0.74 UJ	0.57 UJ	0.74 UJ
MISCELLANEOUS PARAMETERS (MV)											
OXIDATION REDUCTION POTENTIAL	NC	423	404	355	371	416	415	431	425	460	433
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	9.13	9.26	10.1	9.8	8.78	8.83	8.25	8.12	6.98	8.08

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Table 5B
 Table of Exceedances for Soil Samples
 Initial Investigation
 Non-Residential Direct Contact Soil Remediation Standard

Site 16 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP DEPTH	NRDC SRS	016_H013								
		016_H013_0.6 20110824 0.6	016_H013_2.3 20110824 2.3	016_H013_2.8 20110824 2.8	016_H013_3.1 20110824 3.1	016_H013_7.0 20110824 7	016_H013_12.0 20110824 12	016_H013_12.0-D 20110824 12	016_H013_20.0 20110824 20	016_H013_25.0 20110824 25
METALS (MG/KG)										
ANTIMONY	450	0.94 UJ	0.93 UJ	4.9 UJ	0.95 UJ	0.96 UJ	0.99 UJ	0.96 UJ	1.1 UJ	0.99 UJ
CHROMIUM	NC	28.8	50.7	3220	1130	6.9	6.7	7	9.6	8.7
NICKEL	23000	7.6 J	4.5 J	279	24.5	7.8 J	7.9 J	7.8 J	8.2 J	10.6
THALLIUM	79	1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U
VANADIUM	1100	19.2	14.1	342	63.8	7.3 J	7.6 J	7.6 J	12 J	10.2 J
MISCELLANEOUS PARAMETERS (MG/KG)										
HEXAVALENT CHROMIUM	NC	0.52 U	1.4 J	0.62 U	2.7	0.57 U	0.6 U	0.6 U	0.62 U	0.58 UJ
MISCELLANEOUS PARAMETERS (MV)										
OXIDATION REDUCTION POTENTIAL	NC	466	418	401	422	436	440	440	447	519
MISCELLANEOUS PARAMETERS (S.U.)										
PH	NC	8.78	9.29	9.52	9.06	8.67	8.36	8.31	7.73	6.99

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Table 5B
 Table of Exceedances for Soil Samples
 Initial Investigation
 Non-Residential Direct Contact Soil Remediation Standard
 Site 16 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP DEPTH	NRDC SRS	016_H014								016_H016		
		016_H014_0.4 20110825 0.4	016_H014_5.0 20110825 5	016_H014_7.8 20110825 7.8	016_H014_11.1 20110825 11.1	016_H014_15.0 20110825 15	016_H014_15.0-D 20110825 15	016_H014_20.0 20110825 20	016_H014_25.0 20110825 25	016_H016_0.6 20110823 0.6	016_H016_1.1 20110823 1.1	016_H016_5.0 20110823 5
METALS (MG/KG)												
ANTIMONY	450	0.96 UJ	0.96 UJ	0.98 UJ	0.95 UJ	1.1 UJ	1.1 UJ	1.2 UJ	0.99 UJ	1 UJ	0.91 UJ	0.9 UJ
CHROMIUM	NC	155	260	8.5	6.2	19	10.8	17	8.4	2290	52.2	139
NICKEL	23000	18	9.1	7.5 J	6.8 J	13.6	11.2	14.4	11.7 J	381	10.6	10.6
THALLIUM	79	1.1 U	1.1 U	1.1 U	1 U	1.2 U	1.2 U	1.4 U	1.1 U	2.8 U	1 U	0.99 U
VANADIUM	1100	27.6	11.8	8.4 J	7.4 J	14.8	11.5 J	17.4	10.9 J	335	15.4	20.1
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM	NC	0.91 J	2.4 J	0.56 UJ	0.56 UJ	0.66 UJ	0.65 UJ	0.7 UJ	0.58 UJ	118 J	5.4 J	3.5 J
MISCELLANEOUS PARAMETERS (MV)												
OXIDATION REDUCTION POTENTIAL	NC	371	395	440	430	406	401	414	439	409	406	425
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	9.74	9.31	8.46	8.52	8.39	8.41	7.88	8.17	9.26	9.5	9.1

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Table 5B
Table of Exceedances for Soil Samples
Initial Investigation
Non-Residential Direct Contact Soil Remediation Standard
Site 16 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP DEPTH	NRDC SRS	016_I005							016_I006						
		016_I005_1.0 20110705 1	016_I005_1.8 20110706 1.8	016_I005_6.8 20110706 6.8	016_I005_10.8 20110706 10.8	016_I005_15.0 20110706 15	016_I005_20.0 20110706 20	016_I005_25.0 20110706 25	016_I006_0.6 20110705 0.6	016_I006_3.4 20110706 3.4	016_I006_7.5 20110706 7.5	016_I006_10.7 20110706 10.7	016_I006_15.0 20110706 15	016_I006_20.0 20110706 20	016_I006_25.0 20110706 25
METALS (MG/KG)															
ANTIMONY	450	0.98 UJ	1 UJ	1 UJ	1 UJ	1.3 UJ	2.3 UJ	0.97 UJ	0.92 UJ	1 UJ	1.1 UJ	1.1 UJ	1.2 UJ	2.5 UJ	1 UJ
CHROMIUM	NC	114	147	5.8	7.8	22	21.3	4	180	869	10.7	13.8	23.1	32.1	6.9
NICKEL	23000	69.7	58.3	6.7 J	9.5	20.7	15.8 J	4.8 J	40.3	13.2	9.2 J	12	19.8	24.4	8.3 J
THALLIUM	79	1.1 U	1.1 U	1.1 U	1.1 U	1.4 U	2.5 U	1.1 U	1 U	1.1 U	1.2 U	1.2 U	1.3 U	2.7 U	1.1 U
VANADIUM	1100	31.1	34.8	7.3 J	10.3 J	23.9	31.1	5.4 J	50.2	17.5	8.9 J	11.8 J	22.4	39.2	10.4 J
MISCELLANEOUS PARAMETERS (MG/KG)															
HEXAVALENT CHROMIUM	NC	0.57 U	0.59 U	6.7	0.61 U	0.72 U	1.3 UJ	0.59 UJ	0.56 U	0.6 UJ	0.61 UJ	2.1 J	0.71 UJ	1.5 UJ	0.58 UJ
MISCELLANEOUS PARAMETERS (MV)															
OXIDATION REDUCTION POTENTIAL	NC	--	192	265	270	282	307	304	--	295	301	300	346	374	314
MISCELLANEOUS PARAMETERS (S.U.)															
PH	NC	--	11.2	8.81	8.61	8.21	7.49	7.78	--	8.37	8.34	8.43	8.11	6.85	8.72

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Table 5B
 Table of Exceedances for Soil Samples
 Initial Investigation
 Non-Residential Direct Contact Soil Remediation Standard
 Site 16 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION	NRDC SRS	016_I006a						016_I009					
		016_I006a_0.7 20110705	016_I006a_2.9 20110706	016_I006a_7.7 20110706	016_I006a_11.5 20110706	016_I006a_15.5 20110706	016_I006a_20.0 20110706	016_I009_0.0 20110809	016_I009_5.0 20110809	016_I009_11.5 20110809	016_I009_15.5 20110809	016_I009_20.0 20110809	016_I009_25.0 20110809
SAMPLE ID													
SAMPLE DATE													
TOP DEPTH		0.7	2.9	7.7	11.5	15.5	20	0	5	11.5	15.5	20	25
METALS (MG/KG)													
ANTIMONY	450	0.93 UJ	1 UJ	1 UJ	1.4 UJ	1.3 UJ	1.6 UJ	0.92 UJ	0.94 UJ	1.1 UJ	1.4 UJ	1.4 UJ	0.96 UJ
CHROMIUM	NC	67.8	373	7.9	27.6	27.8	17.8	15 J	165 J	11.3 J	25.3 J	30.9 J	11.9 J
NICKEL	23000	143	10.2	9.5	26	23.2	15.7	14.6	6.2 J	11.5	20.4	26.3	15.1
THALLIUM	79	1 U	1.1 U	1.1 U	1.5 U	1.5 U	1.7 U	1 U	1 U	1.2 U	1.5 U	1.6 U	1.1 U
VANADIUM	1100	27.4	10.1 J	9.1 J	30.3	27.9	22	64.4	9.2 J	15.9	23.4	32.2	13.3
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	NC	0.87 J	0.58 UJ	0.61 UJ	0.78 UJ	0.77 UJ	0.94 UJ	0.51 UJ	0.68 J	0.64 UJ	0.78 UJ	0.81 UJ	0.58 UJ
MISCELLANEOUS PARAMETERS (MV)													
OXIDATION REDUCTION POTENTIAL	NC	--	336	330	328	333	355	250	382	381	372	390	370
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	--	8.26	8.32	8.08	7.95	6.81	11.3	8.69	8.44	8.26	7.58	8.73

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 DETECTION EXCEEDS NRDC SRS
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Table 5B
 Table of Exceedances for Soil Samples
 Initial Investigation
 Non-Residential Direct Contact Soil Remediation Standard

Site 16 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP DEPTH	NRDC SRS	016_1011								016_1012								
		016_1011_0.5 20110817 0.5	016_1011_2.8 20110817 2.8	016_1011_3.3 20110817 3.3	016_1011_3.5 20110817 3.5	016_1011_7.5 20110817 7.5	016_1011_11.5 20110817 11.5	016_1011_20.0 20110817 20	016_1011_25.0 20110817 25	016_1012_0.4 20110824 0.4	016_1012_2.0 20110824 2	016_1012_2.5 20110825 2.5	016_1012_3.0 20110824 3	016_1012_7.0 20110824 7	016_1012_12.3 20110825 12.3	016_1012_12.3-D 20110825 12.3	016_1012_20.0 20110825 20	016_1012_25.0 20110825 25
METALS (MG/KG)																		
ANTIMONY	450	0.92 UJ	0.9 UJ	4.8 UJ	0.94 UJ	0.96 UJ	1 UJ	1.1 UJ	1 UJ	0.93 UJ	0.91 UJ	5.4 UJ	0.94 UJ	0.98 UJ	0.98 UJ	1 UJ	2.4 UJ	0.94 UJ
CHROMIUM	NC	120	1200	2780	742	44.3	6.1	13	19.8	40.6	648	6930	479	8.3	8.4	6.4	18.3	12.4
NICKEL	23000	12.5	59.7	349	61.6	6.5 J	7.3 J	12.4	16.7	4.7 J	45.8	446	21.7	8.5 J	8 J	7.3 J	15.4 J	15.3
THALLIUM	79	1 U	0.99 U	1.1 U	1 U	1.1 U	1.1 U	1.2 U	1.1 U	1 U	1 U	6 U	1 U	1.1 U	1.1 U	1.1 U	2.6 U	1 U
VANADIUM	1100	27.2	178	261	63	8.5 J	7.4 J	19.2	21.9	12.7	152	592	24.5	8.6 J	7.9 J	7.2 J	24.5 J	15
MISCELLANEOUS PARAMETERS (MG/KG)																		
HEXAVALENT CHROMIUM	NC	2.4	64	36.4	21.2	1.1 J	0.59 U	0.59 U	0.62 U	0.53 UJ	3.7 J	276 J	16.8 J	0.59 UJ	0.6 UJ	0.57 UJ	1.4 UJ	0.59 UJ
MISCELLANEOUS PARAMETERS (MV)																		
OXIDATION REDUCTION POTENTIAL	NC	401	377	322	337	398	403	405	398	396	409	271	300	398	397	403	388	449
MISCELLANEOUS PARAMETERS (S.U.)																		
PH	NC	9.28	9.46	10.8	10.6	8.68	8.39	7.74	8.16	9.16	9.16	11.6	10.7	8.8	8.53	8.48	7.66	8.09

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Table 5B
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 Non-Residential Direct Contact Soil Remediation Standard
 Site 16 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION	NRDC SRS	016_I013									
		016_I013_0.7 20110824	016_I013_1.2 20110824	016_I013_1.7 20110824	016_I013_2.2 20110824	016_I013_2.7 20110824	016_I013_3.1 20110824	016_I013_3.7 20110824	016_I013_7.5 20110824	016_I013_7.5-D 20110824	016_I013_11.9 20110824
SAMPLE ID											
SAMPLE DATE											
TOP DEPTH		0.7	1.2	1.7	2.2	2.7	3.1	3.7	7.5	7.5	11.9
METALS (MG/KG)											
ANTIMONY	450	0.91 UJ	0.89 UJ	0.94 UJ	0.97 UJ	1.3 J	5.1 UJ	0.99 UJ	0.97 UJ	0.97 UJ	0.97 UJ
CHROMIUM	NC	93.7	954	2860	1700	44	7090	1000	7.6	8	8.9
NICKEL	23000	30.4	70.2	182	130	21.2	626	39.2	7.1 J	8 J	8.3 J
THALLIUM	79	1 U	0.98 U	1 U	1.1 U	1 U	5.6 U	1.1 U	1.1 U	1.1 U	1.1 U
VANADIUM	1100	70	103	290	214	25.5	889	52	7.4 J	8.1 J	8.7 J
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NC	0.55 J	0.53 U	3.3	2.3	1.4 J	128 J	3.2 J	0.58 UJ	0.59 J	0.58 UJ
MISCELLANEOUS PARAMETERS (MV)											
OXIDATION REDUCTION POTENTIAL	NC	423	431	381	358	217	278	325	398	401	412
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	9.17	8.76	9.52	10.3	12.6	11.6	10.4	8.8	8.89	8.46

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LOCATION SAMPLE ID SAMPLE DATE TOP DEPTH	NRDC SRS	016_I014										
		016_I014_0.5 20110825 0.5	016_I014_1.5 20110825 1.5	016_I014_2.0 20110825 2	016_I014_2.5 20110825 2.5	016_I014_5.0 20110825 5	016_I014_5.0-D 20110825 5	016_I014_7.8 20110825 7.8	016_I014_10.9_11.4 20110825 10.9	016_I014_15.0 20110825 15	016_I014_20.0 20110825 20	016_I014_25.0 20110825 25
METALS (MG/KG)												
ANTIMONY	450	0.93 UJ	0.92 UJ	2.4 UJ	0.98 UJ	1 UJ	1 UJ	0.95 UJ	0.94 UJ	1.2 UJ	1.3 UJ	0.98 UJ
CHROMIUM	NC	289	471	2860	249	302	280	8.5	7.4	13.3	20.9	10.2
NICKEL	23000	23.9	31.9	110	15.8	9.9	9.1	7.9 J	7.1 J	11	18.5	9.6
THALLIUM	79	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1.3 U	1.4 U	1.1 U
VANADIUM	1100	39.8	45.5	187	29	11.1 J	10.3 J	8.9 J	7.7 J	13.2 J	22.9	12.6
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM	NC	4.7 J	17.8 J	11.2 J	4.5 J	5.1 J	6.4 J	0.56 UJ	0.55 UJ	4.5 J	0.78 UJ	0.57 UJ
MISCELLANEOUS PARAMETERS (MV)												
OXIDATION REDUCTION POTENTIAL	NC	408	382	331	358	404	422	448	400	411	414	500
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	9.42	10.4	10.7	10.2	9.4	9.14	8.45	8.78	8.51	7.8	6.16

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 Non-Residential Direct Contact Soil Remediation Standard
 Site 16 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION	NRDC SRS	016_I015								016_J005							
		016_I015_0.7 20110825	016_I015_0.9 20110825	016_I015_5.0 20110825	016_I015_7.4 20110825	016_I015_11.5 20110825	016_I015_20.0 20110825	016_I015_20.0-D 20110825	016_I015_25.0 20110825	016_J005_0.0 20110708	016_J005_2.2 20110708	016_J005_2.7 20110708	016_J005_5.0 20110708	016_J005_5.9 20110708	016_J005_10.0 20110708	016_J005_15.0 20110708	016_J005_20.0 20110708
SAMPLE ID																	
SAMPLE DATE																	
TOP DEPTH		0.7	0.9	5	7.4	11.5	20	20	25	0	2.2	2.7	5	5.9	10	15	20
METALS (MG/KG)																	
ANTIMONY	450	1 UJ	1 UJ	1.1 UJ	0.96 UJ	1 UJ	1.3 UJ	1.3 UJ	1.1 UJ	0.54 UJ	0.58 UJ	0.77 UJ	0.66 UJ	0.64 UJ	0.63 UJ	0.73 UJ	1.2 UJ
CHROMIUM	NC	727	18.8	60.5	238	8.6	18.8	17.5	5.9	41	63.1	2160	4410	964	7.2	22.3	30.1
NICKEL	23000	115	9.1 J	8.3 J	6.3 J	9.3 J	12.5	13.1	5.2 J	39.4	14.6	178	438	44	4.9 J	19.1	16.2
THALLIUM	79	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.4 U	1.5 U	1.2 U	0.3 U	0.32 U	0.43 U	0.37 U	0.36 U	0.35 U	0.41 U	0.67 U
VANADIUM	1100	97.5	8.1 J	8.1 J	7.7 J	9.3 J	17.3	17.4	4.9 J	39.9 J	17.9 J	272 J	561	82.1	8.9	23	27.1
MISCELLANEOUS PARAMETERS (MG/KG)																	
HEXAVALENT CHROMIUM	NC	15 J	1.6 J	1.8 J	0.81 J	0.6 UJ	0.73 UJ	0.79 UJ	0.62 UJ	0.49 U	0.54 U	0.64 U	8.7	1 J	0.58 U	0.73 J	1 U
MISCELLANEOUS PARAMETERS (MV)																	
OXIDATION REDUCTION POTENTIAL	NC	348	425	444	437	436	415	412	413	385	294	297	279	288	356	318	343
MISCELLANEOUS PARAMETERS (S.U.)																	
PH	NC	10.5	8.78	8.44	8.27	8.39	7.6	7.65	8.51	7.95	8.36	8.16	10.8	10.5	8.39	8.07	7.27

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 DETECTION EXCEEDS NRDC SRS
 NON-DETECTION EXCEEDS NRDC SRS

Table 5B
 Table of Exceedances for Soil Samples
 Initial Investigation
 Non-Residential Direct Contact Soil Remediation Standard

Site 16 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION	NRDC SRS	016_J014					016_K007									
		016_J014_0.7 20110809	016_J014_5.0 20110809	016_J014_15.0 20110809	016_J014_20.0 20110809	016_J014_23.3 20110809	016_K007_0.5 20110803	016_K007_2.3 20110803	016_K007_2.8 20110803	016_K007_3.3 20110803	016_K007_3.8 20110803	016_K007_5.0 20110803	016_K007_11.4 20110803	016_K007_15.0 20110803	016_K007_20.0 20110803	016_K007_25.0 20110803
SAMPLE ID																
SAMPLE DATE																
TOP DEPTH		0.7	5	15	20	23.3	0.5	2.3	2.8	3.3	3.8	5	11.4	15	20	25
METALS (MG/KG)																
ANTIMONY	450	0.89 UJ	1 UJ	1.6 UJ	1.5 UJ	0.96 UJ	1.5 J	1.1 J	2.3 J	2.5 J	5.1 J	1.1 J	0.96 UJ	1.2 UJ	1.5 UJ	1 UJ
CHROMIUM	NC	39.1 J	233 J	53.1 J	9.8 J	8.3 J	34.1	131	572	190	3700	546	6.8	19.3	32.9	10
NICKEL	23000	9.9	7.8 J	39.4	5.8 J	11.8	35.6	25.8	105	23.6	314	10	8.6 J	17.6	28.1	13.7
THALLIUM	79	0.98 U	1.2 U	1.8 U	1.7 U	1.1 U	1 U	1 U	1.1 U	0.97 U	1.1 U	1.1 U	1.1 U	1.3 U	1.7 U	1.1 U
VANADIUM	1100	12.6	10.5 J	32.6	9.4 J	12.2	47.6	47.3	99.6	28.3	232	53.6	8.5 J	20.1	37.2	11.7
MISCELLANEOUS PARAMETERS (MG/KG)																
HEXAVALENT CHROMIUM	NC	0.53 UJ	0.58 UJ	0.98 UJ	0.85 UJ	0.57 UJ	0.53 U	1.2 J	3	2.4	1.5 J	9.9	0.58 U	0.68 U	0.91 U	0.59 U
MISCELLANEOUS PARAMETERS (MV)																
OXIDATION REDUCTION POTENTIAL	NC	387	403	134	422	478	369	337	342	169	290	368	361	332	356	401
MISCELLANEOUS PARAMETERS (S.U.)																
PH	NC	8.75	8.29	8.43	7.6	4.47	8.8	9.38	9.22	12.3	9.8	8.65	8.33	8.09	7.49	8.2

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Table 5B
 Table of Exceedances for Soil Samples
 Initial Investigation
 Non-Residential Direct Contact Soil Remediation Standard

Site 16 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP DEPTH	NRDC SRS	016_K009									016_K013					
		016_K009_0.0 20110708 0	016_K009_1.4 20110708 1.4	016_K009_1.9 20110708 1.9	016_K009_2.4 20110708 2.4	016_K009_7.0 20110708 7	016_K009_10.7 20110708 10.7	016_K009_16.0 20110708 16	016_K009_20.0 20110708 20	016_K009_25.0 20110708 25	016_K013_1.2 20110803 1.2	016_K013_2.1 20110803 2.1	016_K013_6.0 20110803 6	016_K013_11.3 20110803 11.3	016_K013_20.0 20110803 20	016_K013_25.0 20110803 25
METALS (MG/KG)																
ANTIMONY	450	0.93 UJ	0.9 UJ	0.97 UJ	0.95 UJ	1 UJ	1.1 UJ	1.4 UJ	1.4 UJ	1 UJ	9.6 J	0.97 J	1.1 UJ	0.97 UJ	1.4 UJ	1 UJ
CHROMIUM	NC	64.4	23	250	11.1	12.5	8.8	43.3	28.9	11.3	4570	147	101	8.4	35	19.3
NICKEL	23000	97.4	17.5	63.4	6.2 J	7 J	9.9	38.3	25.6	14.7	393	12.9	8.1 J	9.4	21.7	25.5
THALLIUM	79	1 U	0.99 U	1.1 U	1 U	1.1 U	1.2 U	1.5 U	1.6 U	1.1 U	1.1 U	0.96 U	1.2 U	1.1 U	1.6 U	1.1 U
VANADIUM	1100	35.9	25.3	63.5	10.5 J	7 J	11 J	34.2	32.9	13.2	589	21.6	8.1 J	10.5 J	26.9	23.9
MISCELLANEOUS PARAMETERS (MG/KG)																
HEXAVALENT CHROMIUM	NC	0.53 U	0.52 U	0.74 J	0.54 U	0.58 U	0.59 U	0.8 U	4.6	0.57 U	208 J	12.2 J	0.59 UJ	0.6 UJ	0.81 UJ	0.62 UJ
MISCELLANEOUS PARAMETERS (MV)																
OXIDATION REDUCTION POTENTIAL	NC	346	213	327	355	349	349	275	334	382	317	372	384	365	336	347
MISCELLANEOUS PARAMETERS (S.U.)																
PH	NC	8.34	11	9.57	8.76	8.43	8.32	8.15	7.56	8.28	10.4	9.45	8.53	8.43	8.05	7.84

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Table 5B
 Table of Exceedances for Soil Samples
 Initial Investigation
 Non-Residential Direct Contact Soil Remediation Standard

Site 16 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION	NRDC SRS	016 L005						016 L010									
		016_L005_0.0 20110708 0	016_L005_5.0 20110708 5	016_L005_10.7 20110708 10.7	016_L005_15.0 20110708 15	016_L005_20.0 20110708 20	016_L005_25.0 20110708 25	016_L010_0.0 20110803 0	016_L010_1.6 20110803 1.6	016_L010_2.1 20110803 2.1	016_L010_2.6 20110803 2.6	016_L010_5.0 20110803 5	016_L010_5.0-D 20110803 5	016_L010_10.0 20110803 10	016_L010_16.0 20110803 16	016_L010_20.0 20110803 20	016_L010_25.0 20110803 25
METALS (MG/KG)																	
ANTIMONY	450	0.58 UJ	0.59 UJ	0.61 UJ	0.81 UJ	1.7 UJ	0.69 UJ	0.9 J	2.7 J	10.4 J	0.92 UJ	1.4 J	0.99 J	1 UJ	0.99 UJ	1.4 UJ	1.1
CHROMIUM	NC	125	48.1	7.7	32.8	28.8	11.7	41.1	530	4650	66.5	453	368	8.1	11.7	24.9	15.7
NICKEL	23000	34	10.2	10.6	27	14.8 J	15.2	30.3	56.4	503	15.3	57.1	54.7	7.3 J	10.2	21.4	20.8
THALLIUM	79	0.32 U	0.33 U	0.34 U	0.45 U	0.97 U	0.38 U	0.99 U	1 U	1.1 U	1 U	1 U	1 U	1.1 U	1.1 U	1.5 U	1.2
VANADIUM	1100	45.8 J	10.8 J	11.7 J	24 J	29.1 J	14.7 J	46	70.1	870	22.2	84.6	74.5	7 J	9.7 J	26.5	20.6
MISCELLANEOUS PARAMETERS (MG/KG)																	
HEXAVALENT CHROMIUM	NC	0.51 UJ	0.59 UJ	0.59 U	0.74 U	17.2 U	0.57 U	0.51 UJ	12.1 J	169 J	11.2 J	9.1 J	13.3	0.86 J	0.61 U	0.76 U	0.64
MISCELLANEOUS PARAMETERS (MV)																	
OXIDATION REDUCTION POTENTIAL	NC	382	274	324	218	287	316	316	248	305	343	305	309	362	337	343	343
MISCELLANEOUS PARAMETERS (S.U.)																	
PH	NC	8.5	11.2	8.68	8.43	7.57	7.14	9.18	10.7	9.66	10.1	10.4	9.52	8.65	8.59	7.95	7.96

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