

Table 13A

Table of Exceedances for Soil Samples
Delineation Investigation
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	RDC SRS/CrSCC	NUMBER OF EXCEEDENCES DETECTION/NON- DETECTION	016_J019			
			016_J019_0.0 20121220	016_J019_5.0 20121220	016_J019_10.0 20121220	016_J019_15.0 20121220
METALS (MG/KG)						
ANTIMONY	31	0/0	0.4 U	0.43 U	0.45 U	1.6
CHROMIUM*‡	120000	0/0	15.6	198	55.4	68.3
NICKEL	1600	0/0	9.7	7.6	6.8	42.3
THALLIUM	5	0/0	0.19 U	0.21 U	0.21 U	0.34 U
VANADIUM	78	2/0	12.7	19	13.3	39.7
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM‡	20	0/0	0.82 U	0.87 U	0.91 U	1.4 U
MISCELLANEOUS PARAMETERS (MV)						
OXIDATION REDUCTION POTENTIAL	NC	NA	465	449	435	328
MISCELLANEOUS PARAMETERS (S.U.)						
PH	NC	NA	8.6	8.39	8.51	8.56

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DETECTION EXCEEDS RDC SRS/CrSCC

NON-DETECTION EXCEEDS RDC SRS/CrSCC

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		016_K013a_0.0_20130114	016_K013a_5.0_20130114	016_K013a_10.0_20130114	016_K013_15.5_20130114	016_K013a_19.5_20130114	016_K013a_24.0_20130114
SAMPLE ID		20130114	20130114	20130114	20130114	20130114	20130114
SAMPLE DATE							
TOP DEPTH		0	5	10	15.5	19.5	24
METALS (MG/KG)							
ANTIMONY	31	0.55 J	0.43 U	0.39 U	0.42 U	0.51 U	0.68 U
CHROMIUM*‡	120000	3240 J	341 J	403 J	71.9 J	26.5 J	10.9 J
NICKEL	1600	273 J	6.6 J	15.2 J	10 J	21 J	11.1 J
THALLIUM	5	0.21 U	0.2 U	0.19 U	0.2 U	0.24 U	0.32 U
VANADIUM	78	391 J	8.1 J	22.8 J	11.6 J	28.3 J	15.2 J
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM‡	20	0.59 U	0.6 U	1.6 J	0.61 U	0.77 U	0.95 U
MISCELLANEOUS PARAMETERS (MV)							
OXIDATION REDUCTION POTENTIAL	NC	392	455	411	415	416	346
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NC	10.2	9.1	9.52	8.97	8.41	7.55

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		016_L013_0.0_20130114 20130114 0	016_L013_5.0_20130114 20130114 5	016_L013_10.0_20130114 20130114 10	016_L013_10.0_20130114-D 20130114 10	016_L013_15.5_20130114 20130114 15.5	016_L013_20.0_20130114 20130114 20	016_L013_24.0_20130114 20130114 24
METALS (MG/KG)								
ANTIMONY	31	0.42 U	0.39 U	0.41 U	0.42 U	0.41 U	0.53 U	0.61 U
CHROMIUM*‡	120000	21 J	67.8 J	51.4 J	45.7 J	9.8 J	23.2 J	9.8 J
NICKEL	1600	12.4 J	8.3 J	8 J	8.1 J	10.7 J	17.3 J	8.7 J
THALLIUM	5	0.2 U	0.18 U	0.2 U	0.2 U	0.2 U	0.25 U	0.29 U
VANADIUM	78	13.4 J	9.7 J	8.5 J	8.4 J	11 J	22.7 J	14.7 J
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM‡	20	0.57 U	1.2 J	0.58 U	0.56 U	0.56 U	0.74 U	0.82 U
MISCELLANEOUS PARAMETERS (MV)								
OXIDATION REDUCTION POTENTIAL	NC	392	402	402	463	436	425	403
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NC	8.41	8.93	8.39	8.91	8.55	8.43	7.65

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		016_G020_0.0 20130115	016_G020_5.0 20130115	016_L020_0.0 20130115	016_L020_0.5 20130115	016_L020_1.0 20130115	016_L020_5.0 20130115	016_L020_10.0 20130115	016_L020_15.0 20130115	016_L020_19.0 20130115
METALS (MG/KG)										
ANTIMONY	31	0.77	0.37 U	0.39 U	0.63	0.37 U	0.44 U	0.49 U	0.42 U	0.46 U
CHROMIUM*‡	120000	39	30.7	60.8	579	22.9	16.1	17.6	50	11.1
NICKEL	1600	28.4	26.1	23.3	47.9	11.1	8.6	17.1	9.3	12.2
THALLIUM	5	0.18 U	0.48	0.18 U	0.19 U	0.18 U	0.21 U	0.23 U	0.2 U	0.22 U
VANADIUM	78	33.6	67.8	30.9	67.6	16.5	7.4	18.7	7.9	12.7
MISCELLANEOUS PARAMETERS (MG/KG)										
HEXAVALENT CHROMIUM‡	20	0.57 U	0.55 U	0.5 U	1.7 J	0.53 U	0.6 U	0.68 U	0.58 U	0.66 U
MISCELLANEOUS PARAMETERS (MV)										
OXIDATION REDUCTION POTENTIAL	NC	449	449	398	436	443	481	334	453	362
MISCELLANEOUS PARAMETERS (S.U.)										
PH	NC	9.04	8.63	9.33	8.23	8.54	8.97	7.85	9.01	8.02

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		016_J020_0.0 20130115	016_J020_3.5 20130115
METALS (MG/KG)			
ANTIMONY	31	0.37 U	2.1
CHROMIUM*‡	120000	18.1	926
NICKEL	1600	13.8	87.8
THALLIUM	5	0.17 U	0.18 U
VANADIUM	78	12.3	97
MISCELLANEOUS PARAMETERS (MG/KG)			
HEXAVALENT CHROMIUM‡	20	0.55 U	5.4
MISCELLANEOUS PARAMETERS (MV)			
OXIDATION REDUCTION POTENTIAL	NC	406	426
MISCELLANEOUS PARAMETERS (S.U.)			
PH	NC	8.86	8.35

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