

Table 5  
Positive Hits Table for Soil Samples  
Initial Investigation  
  
Sites 63 and 65 Remedial Investigation Report  
PPG Industries, Inc.  
Jersey City, New Jersey  
  
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LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	063_B003							
			063_B003_0.0 20110722 0	063_B003_0.5 20110722 0.5	063_B003_1.0 20110722 1	063_B003_5.0 20110722 5	063_B003_5.0-D 20110722 5	063_B003_6.9 20110722 6.9	063_B003_11.0 20110722 11	063_B003_15.0 20110722 15
Metals (MG/KG)										
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	0.89 UJ	0.94 UJ	0.97 UJ	0.96 UJ	0.92 UJ	0.98 UJ	1.2 UJ	0.96 UJ
CHROMIUM	120000	CrSCC	45.9	1790	473	36.7	32.1	14.9	17.7	26.3
NICKEL	31* / 1600	IGW SSL* / RDC SRS	14.8	86.2	94.5	17.1	16.3	12.6	4.3 J	13.5
THALLIUM	3* / 5	IGW SSL* / RDC SRS	0.98 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.3 U	1.1 U
VANADIUM	78	RDC SRS	45	144	36.3	37.8	31.6	23.6	42.4	24.9
Miscellaneous Parameters (MG/KG)										
HEXAVALENT CHROMIUM	20	CrSCC	0.51 U	0.8 J	0.61 J	0.57 U	0.55 U	0.58 U	0.72 U	0.54 U
Miscellaneous Parameters (MV)										
OXIDATION REDUCTION POTENTIAL	NC	NA	471	448	403	405	412	410	427	478
Miscellaneous Parameters (S.U.)										
PH	NC	NA	9.48	8.75	8.34	8.14	8.02	7.85	7.31	7.96

U = NON DETECT  
J = ESTIMATED  
IGW SSL = DEFAULT IMPACT TO GROUNDWATER SOIL SCREENING LEVEL  
RDC SRS = RESIDENTIAL DIRECT CONTACT SOIL REMEDIATION STANDARD  
CrSCC = NJDEP CHROMIUM SOIL CLEANUP CRITERIA (FEB 2007/SEPT 2008)  
\*IGW SSL APPLIES ONLY TO SATURATED ZONE  
NC = NO CRITERIA  
NA = NOT APPLICABLE  
EXCEEDS MINIMUM SOIL REMEDIATION  
STANDARD/SCREENING LEVEL  
NON-DETECTION EXCEEDS MINIMUM SOIL  
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			063_B004_0.0 20110721 0	063_B004_3.0 20110721 3	063_B004_10.0 20110721 10	063_B004_15.0 20110721 15	063_B004a_0.0 20110722 0	063_B004a_0.5 20110722 0.5	063_B004a_1.2 20110722 1.2	063_B004a_5.0 20110722 5	063_B004a_5.0-D 20110722 5	063_B004a_8.1 20110722 8.1	063_B004a_12.0 20110722 12	063_B004a_16.0 20110722 16
			Metals (MG/KG)											
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	0.86 UJ	1 UJ	2.2 UJ	0.95 UJ	0.98 UJ	1 UJ	1 UJ	0.94 UJ	1 UJ	0.99 UJ	1.1 UJ	0.93 UJ
CHROMIUM	120000	CrSCC	38.6	1380	207	15.1	2050	1340	2270	21.6	23.9	12.9	16.3	14.9
NICKEL	31* / 1600	IGW SSL* / RDC SRS	16.9	14.4	20 J	11.5	91.2	94.2	54.8	12.6	12.1	10.4	5.5 J	12.3
THALLIUM	3* / 5	IGW SSL* / RDC SRS	0.95 U	1.1 U	2.5 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.2 U	1 U
VANADIUM	78	RDC SRS	36.3	53.2	30.7	22.6	124	126	176	26.1	28.6	17.7	46.3	19.3
Miscellaneous Parameters (MG/KG)														
HEXVALENT CHROMIUM	20	CrSCC	0.52 U	0.62 U	1.3 U	0.54 U	12.6	8.1	6.3	0.59 J	0.58 U	7.1	0.6 U	0.56 U
Miscellaneous Parameters (MV)														
OXIDATION REDUCTION POTENTIAL	NC	NA	484	279	346	375	476	403	331	378	388	392	334	372
Miscellaneous Parameters (S.U.)														
PH	NC	NA	8.66	9.7	7.55	8.01	8.45	9.61	10.9	8.6	8.55	8.43	7.58	8.1

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LOCATION	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	063_B005					063_B006					
SAMPLE ID			063_B005_1.3	063_B005_3.3	063_B005_11.4	063_B005_15.5	063_B005_20.0	063_B006_1.0	063_B006_1.5	063_B006_2.0	063_B006_6.5	063_B006_10.0	063_B006_12.2
SAMPLE_DATE			20110719	20110719	20110719	20110719	20110719	20110715	20110715	20110715	20110715	20110715	20110715
TOP OF SAMPLE			1.3	3.3	11.4	15.5	20	1	1.5	2	6.5	10	12.2
Metals (MG/KG)													
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	38.2 J	5.9 J	0.93 UJ	0.97 UJ	0.94 UJ	1 UJ	1 UJ	2.8 J	0.93 UJ	2.6 UJ	1.1 UJ
CHROMIUM	120000	CrSCC	10400	2610	29.3	14.4	33.1	1640 J	3700 J	3080 J	14.9 J	932 J	13.1 J
NICKEL	31* / 1600	IGW SSL* / RDC SRS	34.8	14.7	13.2	6.2 J	12.5	38.9	85.2	29.9	11.2	20.6 J	8.4 J
THALLIUM	3* / 5	IGW SSL* / RDC SRS	14 U	2.7 U	1 U	1.1 U	1 U	1.1 U	2.8 U	3 U	1 U	2.8 U	1.3 U
VANADIUM	78	RDC SRS	41.1	35.5	25	15.5	23.1	68.4	95.7	18.3	18.5	20.6 J	22.6
Miscellaneous Parameters (MG/KG)													
HEXAVALENT CHROMIUM	20	CrSCC	16.3 J	0.56 UJ	0.54 UJ	0.55 UJ	0.54 UJ	33.3 J	23.9 J	34.2 J	1 J	1.5 UJ	0.64 UJ
Miscellaneous Parameters (MV)													
OXIDATION REDUCTION POTENTIAL	NC	NA	327	289	338	450	448	383	320	327	379	384	513
Miscellaneous Parameters (S.U.)													
PH	NC	NA	10.4	10.8	9.03	8.36	8.57	11.4	11.8	11.6	8.41	8.09	8.01

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			063_B007_1.0 20110719	063_B007_5.0 20110719	063_B007_7.1 20110719	063_B007_11.1 20110719	063_B007_15.0 20110719	063_B007_15.0-D 20110719	063_B008_1.0 20110720	063_B008_1.6 20110720	063_B008_2.1 20110720	063_B008_6.5 20110720	063_B008_10.0 20110720	063_B008_12.8 20110720	063_B008_16.5 20110720
			1	5	7.1	11.1	15	15	1	1.6	2.1	6.5	10	12.8	16.5
Metals (MG/KG)															
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	0.91 UJ	0.93 UJ	0.9 UJ	3.3 UJ	0.95 UJ	0.97 UJ	2.5 UJ	2.6 UJ	5.7 UJ	0.95 UJ	0.96 UJ	0.97 UJ	0.95 UJ
CHROMIUM	120000	CrSCC	1480	83	11.8	14.2	14	16.7	24.7	3540	5240	15.9	27.2	21	34.7
NICKEL	31* / 1600	IGW SSL* / RDC SRS	33.6	14.5	11.4	13.3 J	6.2 J	6.6 J	8.8 J	40	25.7	13.3	20.2	14.2	19.9
THALLIUM	3* / 5	IGW SSL* / RDC SRS	1 U	1 U	0.99 U	3.6 U	1 U	1.1 U	1.1 U	1.2 U	1.3 U	1 U	1.1 U	1.1 U	1 U
VANADIUM	78	RDC SRS	79.4	28	15.6	18 J	15.3	17.1	26.1	65.1	34	20.8	27.1	24.1	48.2
Miscellaneous Parameters (MG/KG)															
HEXVALENT CHROMIUM	20	CrSCC	2.5 J	0.56 UJ	0.55 UJ	1.9 UJ	0.57 UJ	0.57 UJ	0.58 U	3.9	13.1	0.55 U	0.54 U	0.56 U	0.52 U
Miscellaneous Parameters (MV)															
OXIDATION REDUCTION POTENTIAL	NC	NA	328	408	445	391	388	394	499	297	301	347	369	395	399
Miscellaneous Parameters (S.U.)															
PH	NC	NA	11.2	9.32	8.78	7.61	8.79	8.64	8.49	11.1	10.6	9.27	8.69	7.99	8.22

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063_B009_0.0 20110711 0			063_B009_0.5 20110711 0.5	063_B009_1.7 20110711 1.7	063_B009_9.3 20110711 9.3	063_B009_13.0 20110711 13	063_B010_0.0 20110728 0	063_B010_1.5 20110728 1.5	063_B010_3.0 20110728 3	063_B010_5.0 20110728 5	063_B010_7.3 20110728 7.3	063_B010_11.0 20110728 11	063_B010_15.0 20110728 15	
Metals (MG/KG)														
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	4 J	3.8 J	5.2 J	0.67 UJ	0.65 UJ	1.7 J	8.5 J	7.5 J	5.8 UJ	0.91 UJ	2.9 UJ	0.9 UJ
CHROMIUM	120000	CrSCC	1540	256	2860	22.3	27.8	717	2500	1680	2950	13.5	13	41.8
NICKEL	31* / 1600	IGW SSL* / RDC SRS	50.4	13.3	11.8	16.9	15.9	42.4	189	84	22.5	11.1	13.7 J	12.1
THALLIUM	3* / 5	IGW SSL* / RDC SRS	0.35 U	0.29 U	0.4 U	0.37 U	0.36 U	1.1 U	1.1 U	1.1 U	1.3 U	1 U	3.2 U	0.99 U
VANADIUM	78	RDC SRS	134 J	15.2 J	17.7 J	33 J	43.1 J	65.4	247	140	32	28.2	19.8 J	44.2
Miscellaneous Parameters (MG/KG)														
HEXAVALENT CHROMIUM	20	CrSCC	2.2 J	1.5 J	1.5 J	0.6 UJ	0.57 UJ	16.6	8.6	3.3	3	0.54 U	1.6 U	0.55 U
Miscellaneous Parameters (MV)														
OXIDATION REDUCTION POTENTIAL	NC	NA	411	412	410	433	472	423	386	345	341	346	382	379
Miscellaneous Parameters (S.U.)														
PH	NC	NA	7.93	7.53	7.97	8.82	8.27	7.58	9.75	9.74	9.16	9.4	7.54	8.35

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LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	063_B010a						063_B011					
			063_B010a_0.0 20110727 0	063_B010a_5.0 20110727 5	063_B010a_7.5 20110727 7.5	063_B010a_11.5 20110727 11.5	063_B010a_15.0 20110727 15	063_B010a_15.0-D 20110727 15	063_B011_0.0 20110728 0	063_B011_0.5 20110728 0.5	063_B011_5.0 20110728 5	063_B011_10.0 20110728 10	063_B011_15.0 20110728 15	063_B011_18.0 20110728 18
Metals (MG/KG)														
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	0.91 UJ	0.97 UJ	1 UJ	1.1 UJ	0.88 UJ	0.9 UJ	7.1 J	13 J	1 UJ	1.4 UJ	0.97 UJ	1 UJ
CHROMIUM	120000	CrSCC	1430 J	28.9 J	12.5 J	21.5	38.9	33.9	2210 J	6150 J	74.1 J	32.1 J	21.6 J	25.1 J
NICKEL	31* / 1600	IGW SSL* / RDC SRS	32.3	10.2	11.9	12.8	16.7	17.3	120	131	14.1	24.4	13.2	13.7
THALLIUM	3* / 5	IGW SSL* / RDC SRS	1 U	1.1 U	1.1 U	1.2 U	0.97 U	0.99 U	1.1 U	1.2 U	1.1 U	1.5 U	1.1 U	1.1 U
VANADIUM	78	RDC SRS	59.4	16.9	15.2	29.7	36.5	39.5	182	185	27.6	29	28.9	34.4
Miscellaneous Parameters (MG/KG)														
HEXAVALENT CHROMIUM	20	CrSCC	4.5	0.6 U	0.64 U	0.66 U	0.54 U	0.55 U	9.1	0.66 J	0.57 U	0.82 U	0.58 U	0.56 U
Miscellaneous Parameters (MV)														
OXIDATION REDUCTION POTENTIAL	NC	NA	454	434	433	438	412	423	445	415	417	420	427	407
Miscellaneous Parameters (S.U.)														
PH	NC	NA	8.29	8.4	7.66	7.47	9.18	8.87	7.9	8.17	8.4	8.04	7.59	8.99

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			063_B012_0.0 20110711 0	063_B012_5.0 20110711 5	063_B012_10.5 20110711 10.5	063_B012_15.0 20110711 15	063_B012_17.0 20110711 17	063_B013_0.0 20110728 0	063_B013_1.0 20110728 1	063_B013_3.0 20110728 3	063_B013_5.0 20110728 5	063_B013_10.0 20110728 10	063_B013_15.0 20110728 15
			Metals (MG/KG)										
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	4.6 J	0.58 UJ	0.6 UJ	0.66 UJ	0.63 UJ	5.3 UJ	5.1 UJ	5.1 UJ	0.98 UJ	2.2 J	2.7 UJ
CHROMIUM	120000	CrSCC	4930	14.7	18.1	12.7	17.4	2420	3580	3900	155	9.6	22.4
NICKEL	31* / 1600	IGW SSL* / RDC SRS	203	13.1	16.3	7.7	12.6	333	230	246	16.6	10 J	12 J
THALLIUM	3* / 5	IGW SSL* / RDC SRS	0.33 U	0.32 U	0.33 U	0.37 U	0.35 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	3 U
VANADIUM	78	RDC SRS	280 J	23.2 J	24.8 J	21.3 J	33 J	392	292	315	30.3	10.8 J	24.5 J
Miscellaneous Parameters (MG/KG)													
HEXAVALENT CHROMIUM	20	CrSCC	4.9 J	0.55 UJ	0.56 UJ	0.58 UJ	0.55 UJ	14.8	41.7	20.4	0.56 UJ	0.64 UJ	1.6 UJ
Miscellaneous Parameters (MV)													
OXIDATION REDUCTION POTENTIAL	NC	NA	465	455	455	435	429	424	422	471	439	413	399
Miscellaneous Parameters (S.U.)													
PH	NC	NA	5.78	8.2	8.13	7.47	8.16	8.7	8.95	8.57	8.12	8.16	7.84

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			063_B014_0.0 20110725 0	063_B014_1.25 20110725 1.25	063_B014_2.25 20110725 2.25	063_B014_3.0 20110725 3	063_B014_7.0 20110725 7	063_B014_11.2 20110725 11.2	063_B014_15.0 20110725 15	063_B014_20.0 20110725 20
			Metals (MG/KG)							
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	0.87 UJ	1 J	0.91 UJ	1.9 J	1 UJ	2.1 J	2.2 UJ	0.9 UJ
CHROMIUM	120000	CrSCC	464	144	838	132	16	14.1	26.3	20.1
NICKEL	31* / 1600	IGW SSL* / RDC SRS	51.9	16.9	89.4	18.7	18	12.6	15.7 J	11.4
THALLIUM	3* / 5	IGW SSL* / RDC SRS	0.96 U	0.99 U	1 U	1.1 U	1.1 U	1.4 U	2.4 U	0.99 U
VANADIUM	78	RDC SRS	84.9	33	128	38.5	12.3	19.3	25.3	23.4
Miscellaneous Parameters (MG/KG)										
HEXAVALENT CHROMIUM	20	CrSCC	0.64 J	0.73 J	1.6 J	0.55 UJ	0.66 J	0.74 UJ	1.3 UJ	0.54 UJ
Miscellaneous Parameters (MV)										
OXIDATION REDUCTION POTENTIAL	NC	NA	482	504	322	419	375	322	338	430
Miscellaneous Parameters (S.U.)										
PH	NC	NA	8.06	7.98	10.8	8.37	8.19	7.69	7.55	5.03

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LOCATION	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	063_B015							063_C003					
SAMPLE ID			063_B015_0.0	063_B015_4.0	063_B015_7.3	063_B015_10.5	063_B015_10.5-D	063_B015_15.0	063_B015_17.3	063_C003_0.0	063_C003_0.5	063_C003_5.0	063_C003_5.0-D	063_C003_6.7	063_C003_10.5
SAMPLE_DATE			20110714	20110714	20110714	20110714	20110714	20110714	20110714	20110721	20110721	20110721	20110721	20110721	20110721
TOP OF SAMPLE			0	4	7.3	10.5	10.5	15	17.3	0	0.5	5	5	6.7	10.5
Metals (MG/KG)															
ANTIMONY	6" / 31	IGW SSL* / RDC SRS	0.91 UJ	0.95 UJ	1.1 UJ	8.7 J	4.8 J	2.5 UJ	1 UJ	0.94 UJ	0.98 UJ	1.1 UJ	1 UJ	1.1 UJ	1.9 J
CHROMIUM	120000	CrSCC	51.4 J	15.1 J	13.4 J	45.2 J	26.4 J	208 J	8.1 J	1800 J	1210 J	45.4 J	26.5 J	11.9 J	66.5 J
NICKEL	31" / 1600	IGW SSL* / RDC SRS	24.9	14.6	16.3	18.6	17.5	16.1 J	5.6 J	108	33.5	11.8	11.4	10.5	11.1
THALLIUM	3" / 5	IGW SSL* / RDC SRS	1 U	1 U	1.2 U	1.5 U	1.5 U	2.8 U	1.1 U	1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U
VANADIUM	78	RDC SRS	50.9	22.7	15.5	15 J	13.5 J	24.5 J	12.7	154	64.2	19.3	18.3	17.7	50.5
Miscellaneous Parameters (MG/KG)															
HEXVALENT CHROMIUM	20	CrSCC	0.52 J	0.55 U	0.67 U	0.75 U	0.82 J	1.5 U	0.62 U	3.9	1.2 J	0.6 U	0.6 U	0.61 U	0.61 U
Miscellaneous Parameters (MV)															
OXIDATION REDUCTION POTENTIAL	NC	NA	402	480	391	376	366	382	384	367	371	367	365	368	487
Miscellaneous Parameters (S.U.)															
PH	NC	NA	7.91	7.91	7.81	7.65	7.66	7.25	7.96	9	8.66	7.92	7.88	7.6	7.83

U = NON DETECT  
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IGW SSL = DEFAULT IMPACT TO GROUNDWATER SOIL SCREENING LEVEL  
RDC SRS = RESIDENTIAL DIRECT CONTACT SOIL REMEDIATION STANDARD  
CrSCC = NJDEP CHROMIUM SOIL CLEANUP CRITERIA (FEB 2007/SEPT 2008)  
\*IGW SSL APPLIES ONLY TO SATURATED ZONE  
NC = NO CRITERIA  
NA = NOT APPLICABLE  
EXCEEDS MINIMUM SOIL REMEDIATION  
STANDARD/SCREENING LEVEL  
NON-DETECTION EXCEEDS MINIMUM SOIL  
REMEDIATION STANDARD/SCREENING LEVEL

Table 5  
Positive Hits Table for Soil Samples  
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Sites 63 and 65 Remedial Investigation Report  
PPG Industries, Inc.  
Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	063_C004							063_C004a				
			063_C004_0.2 20110721 0.2	063_C004_0.7 20110721 0.7	063_C004_1.2 20110721 1.2	063_C004_5.7 20110721 5.7	063_C004_10.0 20110721 10	063_C004_10.0-D 20110721 10	063_C004_15.0 20110721 15	063_C004a_0.2 20110722 0.2	063_C004a_0.7 20110722 0.7	063_C004a_6.7 20110722 6.7	063_C004a_11.0 20110722 11	063_C004a_15.0 20110722 15
Metals (MG/KG)														
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	2.3 UJ	2.7 UJ	1.1 UJ	0.94 UJ	1.6 UJ	1.5 UJ	0.92 UJ	0.96 UJ	2.8 UJ	1.1 UJ	0.92 UJ	0.89 UJ
CHROMIUM	120000	CrSCC	1590 J	2880 J	3220 J	22.9 J	33.3	22.9	19.3	2120	4070	9.8	18.8	50.8
NICKEL	31* / 1600	IGW SSL* / RDC SRS	147	203	39.4	16.2	7.9 J	8 J	10.9	69.5	46.4	9.8	13.1	16.2
THALLIUM	3* / 5	IGW SSL* / RDC SRS	1 U	1.2 U	1.2 U	1 U	1.8 U	1.7 U	1 U	1.1 U	1.2 U	1.2 U	1 U	0.98 U
VANADIUM	78	RDC SRS	177	258	70.6	17.1	30.6	35.5	19.7	134	106	15.3	20.2	22.3
Miscellaneous Parameters (MG/KG)														
HEXAVALENT CHROMIUM	20	CrSCC	13.9	59	18.5	0.55 U	0.94 U	0.91 U	0.55 U	0.56 U	10	0.61 U	0.55 U	0.53 U
Miscellaneous Parameters (MV)														
OXIDATION REDUCTION POTENTIAL	NC	NA	385	319	320	356	391	393	398	512	513	465	501	396
Miscellaneous Parameters (S.U.)														
PH	NC	NA	10.8	11.4	10.9	8.89	7.47	7.41	7.94	8.61	8.63	8.38	8.28	7.58

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CrSCC = NJDEP CHROMIUM SOIL CLEANUP CRITERIA (FEB 2007/SEPT 2008)  
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NC = NO CRITERIA  
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STANDARD/SCREENING LEVEL  
NON-DETECTION EXCEEDS MINIMUM SOIL  
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Table 5

Positive Hits Table for Soil Samples  
Initial Investigation

Sites 63 and 65 Remedial Investigation Report  
PPG Industries, Inc.  
Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	063_C005						063_C006						
			063_C005_1.0 20110713	063_C005_2.0 20110713	063_C005_2.5 20110713	063_C005_7.5 20110713	063_C005_11.5 20110713	063_C005_15.5 20110713	063_C006_1.0 20110713	063_C006_1.75 20110713	063_C006_2.25 20110713	063_C006_6.5 20110713	063_C006_7.5 20110713	063_C006_11.5 20110713	063_C006_15.5 20110713
			1	2	2.5	7.5	11.5	15.5	1	1.75	2.25	6.5	7.5	11.5	15.5
Metals (MG/KG)															
ANTIMONY	6" / 31	IGW SSL* / RDC SRS	1.3 J	6.8 J	32.8 UJ	0.93 UJ	0.93 UJ	2.4 UJ	13.3 UJ	1.2 UJ	0.97 UJ	0.98 UJ	0.99 UJ	0.96 UJ	0.95 UJ
CHROMIUM	120000	CrSCC	743	6080	32900 J	479 J	14.9 J	2470 J	14200 J	1530 J	13.3 J	39.9 J	17.3 J	12.1 J	12.3 J
NICKEL	31" / 1600	IGW SSL* / RDC SRS	27.7	551	661 J	12.9 J	8.9 J	15.3 J	14 J	69.4 J	11.2 J	15.1 J	14.3	6.1 J	12.2
THALLIUM	3" / 5	IGW SSL* / RDC SRS	1.1 U	6.3 U	36 U	1 U	1 U	2.7 U	14.7 U	1.3 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U
VANADIUM	78	RDC SRS	49.7	718	539	19	24.2	29.9	100 J	111	18.1	21	19.6	16.7	15.2
Miscellaneous Parameters (MG/KG)															
HEXAVALENT CHROMIUM	20	CrSCC	2.5 J	1560 J	9470 J	1.4 J	0.56 U	0.56 U	9.4	30	12.3	0.58 U	0.6 U	0.55 U	0.54 U
Miscellaneous Parameters (MV)															
OXIDATION REDUCTION POTENTIAL	NC	NA	357	233	213	265	460	457	296	227	258	287	323	358	364
Miscellaneous Parameters (S.U.)															
PH	NC	NA	10.5	12.6	12.4	9.79	8.26	8.17	11.8	11.9	11.6	9.41	8.96	8.11	8.27

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CrSCC = NJDEP CHROMIUM SOIL CLEANUP CRITERIA (FEB 2007/SEPT 2008)  
\*IGW SSL APPLIES ONLY TO SATURATED ZONE  
NC = NO CRITERIA  
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NON-DETECTION EXCEEDS MINIMUM SOIL  
REMEDIATION STANDARD/SCREENING LEVEL

Table 5  
Positive Hits Table for Soil Samples  
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Jersey City, New Jersey  
  
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LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	063_C007						063_C008				
			063_C007_1.0 20110713	063_C007_2.3 20110713	063_C007_2.8 20110713	063_C007_8.0 20110713	063_C007_12.0 20110713	063_C007_16.0 20110713	063_C008_1.0 20110720	063_C008_5.0 20110720	063_C008_6.7 20110720	063_C008_11.0 20110720	063_C008_15.0 20110720
			1	2.3	2.8	8	12	16	1	5	6.7	11	15
Metals (MG/KG)													
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	2.5 UJ	11 J	3.1 J	1.1 UJ	0.98 UJ	1 UJ	2.5 UJ	0.98 UJ	1 UJ	1 UJ	0.9 UJ
CHROMIUM	120000	CrSCC	646 J	7550 J	3050 J	12.9 J	19.6 J	13.4 J	99.9	19.9	16	17.8	35
NICKEL	31* / 1600	IGW SSL* / RDC SRS	9 J	20.3	20.3	13.4	14.2	12.8	8.1 J	12	13.3	11	16.6
THALLIUM	3* / 5	IGW SSL* / RDC SRS	2.8 U	6 U	2.7 U	1.2 U	1.1 U	1.1 U	2.7 U	1.1 U	1.1 U	1.1 U	0.99 U
VANADIUM	78	RDC SRS	24.9 J	38.9	28.7	16.5	21.5	19.7	23.1 J	17.6	21.7	22.6	37.7
Miscellaneous Parameters (MG/KG)													
HEXAVALENT CHROMIUM	20	CrSCC	4	10.2	22.7	0.61 U	0.55 U	0.56 U	0.57 U	0.6 U	0.61 U	0.57 U	0.52 U
Miscellaneous Parameters (MV)													
OXIDATION REDUCTION POTENTIAL	NC	NA	316	266	312	375	391	414	361	361	374	400	488
Miscellaneous Parameters (S.U.)													
PH	NC	NA	10.4	11.4	11.2	8.2	8.44	7.87	8.98	9.05	8.02	7.82	8.42

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CrSCC = NJDEP CHROMIUM SOIL CLEANUP CRITERIA (FEB 2007/SEPT 2008)  
\*IGW SSL APPLIES ONLY TO SATURATED ZONE  
NC = NO CRITERIA  
NA = NOT APPLICABLE  
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STANDARD/SCREENING LEVEL  
NON-DETECTION EXCEEDS MINIMUM SOIL  
REMEDIATION STANDARD/SCREENING LEVEL

Table 5  
Positive Hits Table for Soil Samples  
Initial Investigation  
  
Sites 63 and 65 Remedial Investigation Report  
PPG Industries, Inc.  
Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	063_C009				063_C009a			
			063_C009_1.0 20110720	063_C009_5.0 20110720	063_C009_6.5 20110720	063_C009_14.0 20110720	063_C009a_0.0 20110727	063_C009a_6.4 20110727	063_C009a_10.0 20110727	063_C009a_15.0 20110727
			1	5	6.5	14	0	6.4	10	15
Metals (MG/KG)										
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	1 UJ	1 UJ	1 UJ	2.3 UJ	0.87 UJ	9.4 UJ	0.91 UJ	6.6 J
CHROMIUM	120000	CrSCC	1990	70.1	14.5	29.8	32.5	3830	49.6	3570
NICKEL	31* / 1600	IGW SSL* / RDC SRS	108	9.6	11.7	10.6 J	12.8	13.1	10.7	15.8
THALLIUM	3* / 5	IGW SSL* / RDC SRS	1.1 U	1.1 U	1.1 U	2.5 U	0.96 U	1 U	1 U	1 U
VANADIUM	78	RDC SRS	132	18.5	21.4	21.5 J	41.8	83.9	23.7	87.6
Miscellaneous Parameters (MG/KG)										
HEXAVALENT CHROMIUM	20	CrSCC	0.79 J	0.59 U	0.59 U	0.54 U	0.51 U	4.2	1.1 J	8.1
Miscellaneous Parameters (MV)										
OXIDATION REDUCTION POTENTIAL	NC	NA	414	433	449	292	351	332	347	429
Miscellaneous Parameters (S.U.)										
PH	NC	NA	9.93	9.13	8.29	7.14	7.41	9.62	9.43	10.1

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RDC SRS = RESIDENTIAL DIRECT CONTACT SOIL REMEDIATION STANDARD  
CrSCC = NJDEP CHROMIUM SOIL CLEANUP CRITERIA (FEB 2007/SEPT 2008)  
\*IGW SSL APPLIES ONLY TO SATURATED ZONE  
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EXCEEDS MINIMUM SOIL REMEDIATION  
STANDARD/SCREENING LEVEL  
NON-DETECTION EXCEEDS MINIMUM SOIL  
REMEDIATION STANDARD/SCREENING LEVEL

Table 5  
Positive Hits Table for Soil Samples  
Initial Investigation  
  
Sites 63 and 65 Remedial Investigation Report  
PPG Industries, Inc.  
Jersey City, New Jersey

LOCATION	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	063_C010						063_C011						
SAMPLE ID			063_C010_0.0	063_C010_0.7	063_C010_1.2	063_C010_6.4	063_C010_10.5	063_C010_15.0	063_C011_0.4	063_C011_0.9	063_C011_1.4	063_C011_5.0	063_C011_6.7	063_C011_10.5	063_C011_15.0
SAMPLE_DATE			20110727	20110727	20110727	20110727	20110727	20110727	20110725	20110725	20110725	20110725	20110725	20110725	20110725
TOP OF SAMPLE			0	0.7	1.2	6.4	10.5	15	0.4	0.9	1.4	5	6.7	10.5	15
Metals (MG/KG)															
ANTIMONY	6" / 31	IGW SSL* / RDC SRS	5.2 J	10.2 UJ	10.7 UJ	1 UJ	0.99 UJ	0.94 UJ	4.9 UJ	5.2 UJ	1.2 UJ	0.98 UJ	1.1 UJ	1.1 UJ	1 UJ
CHROMIUM	120000	CrSCC	1420	4020	12400	14.4	39.6	31.5	3380	5260	2060	24.5	11.8	21.9	40.4
NICKEL	31" / 1600	IGW SSL* / RDC SRS	27.4	149	31.6	13.7	20.1	13.4	321	285	22.4	12.3	11.9	12.3	20.4
THALLIUM	3" / 5	IGW SSL* / RDC SRS	0.96 U	1.1 U	1.2 U	1.1 U	1.1 U	1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.2 U	1.2 U	1.1 U
VANADIUM	78	RDC SRS	58.4	286	104	17.8	48	34.7	497	533	50.2	19	15.5	26.4	47.2
Miscellaneous Parameters (MG/KG)															
HEXAVALENT CHROMIUM	20	CrSCC	8.2	3	3.8	0.59 U	0.56 U	0.55 U	7.4 J	0.62 UJ	1.2 J	0.56 UJ	0.6 UJ	0.62 UJ	0.58 UJ
Miscellaneous Parameters (MV)															
OXIDATION REDUCTION POTENTIAL	NC	NA	507	433	358	486	472	467	515	464	440	436	438	451	434
Miscellaneous Parameters (S.U.)															
PH	NC	NA	8.29	9.22	9.83	7.92	8.3	8.87	8.62	8.44	7.91	8.26	7.66	8.05	8.5

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CrSCC = NJDEP CHROMIUM SOIL CLEANUP CRITERIA (FEB 2007/SEPT 2008)  
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Table 5  
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PPG Industries, Inc.  
Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP OF SAMPLE	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	063_C012				063_D003				
			063_C012_0.0 20110728 0	063_C012_6.4 20110728 6.4	063_C012_10.5 20110728 10.5	063_C012_15.8 20110728 15.8	063_D003_0.0 20110713 0	063_D003_3.8 20110713 3.8	063_D003_6.7 20110713 6.7	063_D003_13.0 20110713 13	063_D003_17.0 20110713 17
			Metals (MG/KG)								
ANTIMONY	6" / 31	IGW SSL* / RDC SRS	0.93 UJ	0.98 UJ	3.4 UJ	0.95 UJ	0.9 UJ	1.1 UJ	0.93 UJ	0.87 UJ	0.92 UJ
CHROMIUM	120000	CrSCC	378	15.5	21.8	26.9	237	14.1	16.2	18.7	9.3
NICKEL	31" / 1600	IGW SSL* / RDC SRS	35.2	11.9	19 J	14.7	28.4	11	12.4	11.6	7.3 J
THALLIUM	3" / 5	IGW SSL* / RDC SRS	1 U	1.1 U	3.7 U	1 U	0.99 U	1.2 U	1 U	0.96 U	1 U
VANADIUM	78	RDC SRS	49	21.3	27.7 J	35.3	47.3	18.6	23	29.8	14.6
Miscellaneous Parameters (MG/KG)											
HEXVALENT CHROMIUM	20	CrSCC	2.1 J	0.59 U	2 U	0.56 U	0.53 UJ	0.61 UJ	0.53 UJ	0.55 UJ	0.54 UJ
Miscellaneous Parameters (MV)											
OXIDATION REDUCTION POTENTIAL	NC	NA	451	440	433	457	463	388	375	389	404
Miscellaneous Parameters (S.U.)											
PH	NC	NA	7.96	8.16	8.08	7.78	8.16	7.62	9.33	9.11	8.85

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CrSCC = NJDEP CHROMIUM SOIL CLEANUP CRITERIA (FEB 2007/SEPT 2008)  
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Table 5  
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PPG Industries, Inc.  
Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	063_D004							
			063_D004_0.0 20110725 0	063_D004_0.5 20110725 0.5	063_D004_1.0 20110725 1	063_D004_5.0 20110725 5	063_D004_6.7 20110725 6.7	063_D004_10.5 20110725 10.5	063_D004_10.5-D 20110725 10.5	063_D004_15.0 20110725 15
			Metals (MG/KG)							
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	0.92 UJ	0.95 UJ	0.95 UJ	1.1 UJ	1.5 J	0.92 UJ	0.93 UJ	0.97 UJ
CHROMIUM	120000	CrSCC	205	586	218	28.2	46.2	23.2	20.2	13
NICKEL	31* / 1600	IGW SSL* / RDC SRS	20.6	33.1	9.2	9.5 J	14.6	12.9	11.1	11.4
THALLIUM	3* / 5	IGW SSL* / RDC SRS	1 U	1 U	1 U	1.3 U	1.1 U	1 U	1 U	1.1 U
VANADIUM	78	RDC SRS	59.3	46.6	13.4	22.5	60	27.1	32.5	18.2
Miscellaneous Parameters (MG/KG)										
HEXAVALENT CHROMIUM	20	CrSCC	1.4 J	0.57 UJ	0.56 UJ	0.65 UJ	0.56 UJ	0.55 UJ	0.55 UJ	0.53 UJ
Miscellaneous Parameters (MV)										
OXIDATION REDUCTION POTENTIAL	NC	NA	444	451	431	438	438	429	429	433
Miscellaneous Parameters (S.U.)										
PH	NC	NA	8.92	8.51	7.96	7.81	8.18	8.65	8.76	8.66

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Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	063_D005							063_D006				
063_D005_0.0 20110714 0			063_D005_0.8 20110714 0.8	063_D005_1.3 20110714 1.3	063_D005_1.8 20110714 1.8	063_D005_6.0 20110714 6	063_D005_10.0 20110714 10	063_D005_15.0 20110714 15	063_D006_1.0 20110712 1	063_D006_5.0 20110712 5	063_D006_6.5 20110712 6.5	063_D006_10.0 20110712 10	063_D006_15.0 20110712 15	
Metals (MG/KG)														
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	0.89 UJ	0.9 UJ	5 J	0.93 UJ	1.4 UJ	0.95 UJ	0.92 UJ	0.59 UJ	0.66 UJ	0.69 UJ	0.61 UJ	0.57 UJ
CHROMIUM	120000	CrSCC	133 J	87.4 J	4920 J	104 J	13.8 J	53.8 J	35.9 J	44.5	3850	15.4	19.9	46.5
NICKEL	31* / 1600	IGW SSL* / RDC SRS	19.8	15.2	17.2	14.5	12.1 J	12.4	14.1	10.4	11.3	12.6	8.2	13.8
THALLIUM	3* / 5	IGW SSL* / RDC SRS	0.98 U	2.5 U	5.2 U	1 U	1.5 U	1 U	1 U	0.33 U	0.36 U	0.38 U	0.34 U	1 J
VANADIUM	78	RDC SRS	31.4	88.5	117	34.6	20.1	28.8	56.7	18.6	13	16.6	36.5	86.2
Miscellaneous Parameters (MG/KG)														
HEXAVALENT CHROMIUM	20	CrSCC	0.85 J	0.55 J	1.3 J	0.54 U	0.78 U	0.54 U	0.51 U	0.58 U	0.62 U	0.64 U	0.56 U	0.55 U
Miscellaneous Parameters (MV)														
OXIDATION REDUCTION POTENTIAL	NC	NA	433	412	377	372	413	404	428	354	229	292	322	334
Miscellaneous Parameters (S.U.)														
PH	NC	NA	8.18	9.28	8.32	8.58	6.95	8	8.76	9.1	8.83	7.98	8.09	8.94

U = NON DETECT  
J = ESTIMATED  
IGW SSL = DEFAULT IMPACT TO GROUNDWATER SOIL SCREENING LEVEL  
RDC SRS = RESIDENTIAL DIRECT CONTACT SOIL REMEDIATION STANDARD  
CrSCC = NJDEP CHROMIUM SOIL CLEANUP CRITERIA (FEB 2007/SEPT 2008)  
\*IGW SSL APPLIES ONLY TO SATURATED ZONE  
NC = NO CRITERIA  
NA = NOT APPLICABLE  
EXCEEDS MINIMUM SOIL REMEDIATION  
STANDARD/SCREENING LEVEL  
NON-DETECTION EXCEEDS MINIMUM SOIL  
REMEDIATION STANDARD/SCREENING LEVEL

Table 5  
Positive Hits Table for Soil Samples  
Initial Investigation  
  
Sites 63 and 65 Remedial Investigation Report  
PPG Industries, Inc.  
Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP OF SAMPLE	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	063_D007					063_D008			
			063_D007_0.0 20110727	063_D007_5.7 20110727	063_D007_10.0 20110727	063_D007_10.0-D 20110727	063_D007_15.0 20110727	063_D008_0.0 20110727	063_D008_5.0 20110727	063_D008_10.0 20110727	063_D008_15.0 20110727
			0	5.7	10	10	15	0	5	10	15
Metals (MG/KG)											
ANTIMONY	6" / 31	IGW SSL* / RDC SRS	0.91 J	1 UJ	0.92 UJ	0.92 UJ	0.88 UJ	0.88 UJ	1.1 UJ	1 UJ	0.92 UJ
CHROMIUM	120000	CrSCC	415 J	14.6 J	21.7 J	20.2 J	19 J	118 J	10.9 J	35.7 J	33.5
NICKEL	31" / 1600	IGW SSL* / RDC SRS	39.8	13.3	12.2	12.4	12.1	18.3	10.2	18	19.4
THALLIUM	3" / 5	IGW SSL* / RDC SRS	0.99 U	1.1 U	1 U	1 U	0.97 U	0.97 U	1.2 U	1.1 U	1 U
VANADIUM	78	RDC SRS	61	16.5	21.4	19.8	28.3	47	13.7	46.9	41.9
Miscellaneous Parameters (MG/KG)											
HEXAVALENT CHROMIUM	20	CrSCC	4.7	0.65 U	0.57 U	0.57 U	0.56 U	0.61 J	0.68 U	0.55 U	0.54 U
Miscellaneous Parameters (MV)											
OXIDATION REDUCTION POTENTIAL	NC	NA	409	344	367	389	528	528	461	467	485
Miscellaneous Parameters (S.U.)											
PH	NC	NA	8.72	7.16	8.13	8.13	8	8.1	7.65	8	8.34

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RDC SRS = RESIDENTIAL DIRECT CONTACT SOIL REMEDIATION STANDARD  
CrSCC = NJDEP CHROMIUM SOIL CLEANUP CRITERIA (FEB 2007/SEPT 2008)  
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NC = NO CRITERIA  
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REMEDIATION STANDARD/SCREENING LEVEL

Table 5  
Positive Hits Table for Soil Samples  
Initial Investigation  
  
Sites 63 and 65 Remedial Investigation Report  
PPG Industries, Inc.  
Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP OF SAMPLE	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	063_D009				063_D010				
			063_D009_1.5	063_D009_5.0	063_D009_10.0	063_D009_13.2	063_D010_0.0	063_D010_0.5	063_D010_5.1	063_D010_10.0	063_D010_15.0
			20110712 1.5	20110712 5	20110712 10	20110712 13.2	20110726 0	20110726 0.5	20110726 5.1	20110726 10	20110726 15
Metals (MG/KG)											
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	0.9 J	0.63 UJ	0.62 UJ	0.63 UJ	3.8 J	10.4 J	0.99 UJ	0.94 UJ	0.97 UJ
CHROMIUM	120000	CrSCC	7930	23.4	46.5	26.9	244 J	266 J	25.6 J	49.9 J	39.4 J
NICKEL	31* / 1600	IGW SSL* / RDC SRS	149	12.6	11.2	15.2	210	119	12.8	18.5	12
THALLIUM	3* / 5	IGW SSL* / RDC SRS	0.37 U	0.35 U	0.35 U	0.35 U	0.92 U	1 U	1.1 U	1 U	1.1 U
VANADIUM	78	RDC SRS	190	22.8	24.7	30.7	53.5	59.5	23.6	46.8	22.5
Miscellaneous Parameters (MG/KG)											
HEXVALENT CHROMIUM	20	CrSCC	11.4	0.6 U	0.57 U	0.55 U	2 J	1.5 J	0.58 U	0.55 U	0.55 U
Miscellaneous Parameters (MV)											
OXIDATION REDUCTION POTENTIAL	NC	NA	334	288	351	362	526	515	498	471	501
Miscellaneous Parameters (S.U.)											
PH	NC	NA	9.43	8.63	8.38	8.4	8.3	8.52	8.28	8.92	8.81

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IGW SSL = DEFAULT IMPACT TO GROUNDWATER SOIL SCREENING LEVEL  
RDC SRS = RESIDENTIAL DIRECT CONTACT SOIL REMEDIATION STANDARD  
CrSCC = NJDEP CHROMIUM SOIL CLEANUP CRITERIA (FEB 2007/SEPT 2008)  
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NON-DETECTION EXCEEDS MINIMUM SOIL  
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Table 5  
Positive Hits Table for Soil Samples  
Initial Investigation  
  
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PPG Industries, Inc.  
Jersey City, New Jersey

LOCATION	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	063_D011					063_E003				
SAMPLE ID			063_D011_0.0	063_D011_7.0	063_D011_11.0	063_D011_11.0-D	063_D011_15.0	063_E003_0.0	063_E003_6.0	063_E003_10.5	063_E003_10.5-D	063_E003_15.0
SAMPLE_DATE			20110728	20110728	20110728	20110728	20110728	20110726	20110726	20110726	20110726	20110726
TOP OF SAMPLE	LEVEL	SOURCE	0	7	11	11	15	0	6	10.5	10.5	15
Metals (MG/KG)												
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	1 UJ	1 U	0.93 U	0.98 U	0.98 U	0.9 UJ	0.96 UJ	0.94 UJ	0.93 UJ	0.9 UJ
CHROMIUM	120000	CrSCC	303	12.5	28	33.3	39.1	28.9 J	19.4 J	15.1 J	14.8 J	17.7 J
NICKEL	31* / 1600	IGW SSL* / RDC SRS	29.8	12.9	15.6	17.2	16.5	33.8	13.3	13.3	11.8	10.2
THALLIUM	3* / 5	IGW SSL* / RDC SRS	1.1 U	1.1 U	1 U	1.1 U	1.1 U	0.99 U	1.1 U	1 U	1 U	0.98 U
VANADIUM	78	RDC SRS	54	16.3	38.7	42.6	41.4	51.1	27.9	21.9	23	22.4
Miscellaneous Parameters (MG/KG)												
HEXAVALENT CHROMIUM	20	CrSCC	1.4 J	0.62 U	0.56 U	0.57 U	0.56 U	0.54 U	0.73 J	0.55 U	0.54 U	0.53 U
Miscellaneous Parameters (MV)												
OXIDATION REDUCTION POTENTIAL	NC	NA	459	450	426	427	429	518	456	461	462	468
Miscellaneous Parameters (S.U.)												
PH	NC	NA	7.67	7.38	8.86	8.99	8.72	8.03	9.12	9.05	8.89	8.71

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CrSCC = NJDEP CHROMIUM SOIL CLEANUP CRITERIA (FEB 2007/SEPT 2008)  
\*IGW SSL APPLIES ONLY TO SATURATED ZONE  
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NON-DETECTION EXCEEDS MINIMUM SOIL  
REMEDIATION STANDARD/SCREENING LEVEL

Table 5  
Positive Hits Table for Soil Samples  
Initial Investigation  
  
Sites 63 and 65 Remedial Investigation Report  
PPG Industries, Inc.  
Jersey City, New Jersey

LOCATION	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	063_E004					063_E005				
SAMPLE ID			063_E004_0.0	063_E004_6.5	063_E004_11.0	063_E004_15.0	063_E004_18.3	063_E005_0.0	063_E005_0.5	063_E005_6.0	063_E005_10.0	063_E005_15.0
SAMPLE_DATE			20110726	20110726	20110726	20110726	20110726	20110726	20110726	20110726	20110726	20110726
TOP OF SAMPLE			0	6.5	11	15	18.3	0	0.5	6	10	15
Metals (MG/KG)												
ANTIMONY	6" / 31	IGW SSL* / RDC SRS	0.93 UJ	0.9 UJ	1 UJ	0.91 UJ	0.95 UJ	0.94 UJ	0.91 UJ	0.99 UJ	0.97 UJ	0.92 UJ
CHROMIUM	120000	CrSCC	63.3 J	28.7 J	15.2 J	19 J	9.8 J	302 J	53.5 J	13.5 J	26.2 J	14.3 J
NICKEL	31" / 1600	IGW SSL* / RDC SRS	28.3	18.1	11	10.6	6.6 J	28.4	7.8 J	10.6	16.2	10.9
THALLIUM	3" / 5	IGW SSL* / RDC SRS	1 U	0.99 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U
VANADIUM	78	RDC SRS	51.3	37.1	24.5	24.6	16.5	61.3	9 J	21.1	38.4	21.3
Miscellaneous Parameters (MG/KG)												
HEXAVALENT CHROMIUM	20	CrSCC	0.56 U	0.55 U	0.57 U	0.54 U	0.55 U	1.7 J	0.52 U	0.58 U	0.55 U	0.53 U
Miscellaneous Parameters (MV)												
OXIDATION REDUCTION POTENTIAL	NC	NA	497	451	456	481	475	499	507	455	460	474
Miscellaneous Parameters (S.U.)												
PH	NC	NA	7.57	9.03	8.81	8.6	8.08	8.12	8.52	8.23	8.31	8.7

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CrSCC = NJDEP CHROMIUM SOIL CLEANUP CRITERIA (FEB 2007/SEPT 2008)  
\*IGW SSL APPLIES ONLY TO SATURATED ZONE  
NC = NO CRITERIA  
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EXCEEDS MINIMUM SOIL REMEDIATION  
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REMEDIATION STANDARD/SCREENING LEVEL

Table 5  
Positive Hits Table for Soil Samples  
Initial Investigation  
  
Sites 63 and 65 Remedial Investigation Report  
PPG Industries, Inc.  
Jersey City, New Jersey  
  
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LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	063_E006				063_E007			
			063_E006_0.0 20110726 0	063_E006_6.0 20110726 6	063_E006_10.0 20110726 10	063_E006_15.0 20110726 15	063_E007_0.0 20110727 0	063_E007_5.0 20110727 5	063_E007_10.0 20110727 10	063_E007_15.0 20110727 15
Metals (MG/KG)										
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	0.87 UJ	1 UJ	0.95 UJ	0.93 UJ	0.96 J	1.2 UJ	0.96 UJ	1 UJ
CHROMIUM	120000	CrSCC	152 J	12.2 J	27.7 J	28.5 J	328 J	12.6 J	13 J	21.3 J
NICKEL	31* / 1600	IGW SSL* / RDC SRS	24	10.4	11.4	13.7	28.2	11.5	11.3	12.9
THALLIUM	3* / 5	IGW SSL* / RDC SRS	0.96 U	1.1 U	1 U	1 U	1 U	1.3 U	1.1 U	1.1 U
VANADIUM	78	RDC SRS	45.4	16.2	21.9	32.4	66.6	14.2	19	29.1
Miscellaneous Parameters (MG/KG)										
HEXAVALENT CHROMIUM	20	CrSCC	1.7 J	0.59 U	0.55 U	0.55 U	4.4	0.69 U	0.56 U	0.56 U
Miscellaneous Parameters (MV)										
OXIDATION REDUCTION POTENTIAL	NC	NA	351	366	369	505	493	407	408	419
Miscellaneous Parameters (S.U.)										
PH	NC	NA	8.11	7.55	8.05	8.21	8.15	7.36	8.12	8.17

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IGW SSL = DEFAULT IMPACT TO GROUNDWATER SOIL SCREENING LEVEL  
RDC SRS = RESIDENTIAL DIRECT CONTACT SOIL REMEDIATION STANDARD  
CrSCC = NJDEP CHROMIUM SOIL CLEANUP CRITERIA (FEB 2007/SEPT 2008)  
\*IGW SSL APPLIES ONLY TO SATURATED ZONE  
NC = NO CRITERIA  
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EXCEEDS MINIMUM SOIL REMEDIATION  
STANDARD/SCREENING LEVEL  
NON-DETECTION EXCEEDS MINIMUM SOIL  
REMEDIATION STANDARD/SCREENING LEVEL

Table 5  
Positive Hits Table for Soil Samples  
Initial Investigation  
  
Sites 63 and 65 Remedial Investigation Report  
PPG Industries, Inc.  
Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	065_A005						065_A006					
065_A005_0.0 20110801 0			065_A005_5.0 20110801 5	065_A005_5.0-D 20110801 5	065_A005_10.0 20110801 10	065_A005_15.0 20110801 15	065_A005_17.5 20110801 17.5	065_A006_0.0 20110801 0	065_A006_3.8 20110801 3.8	065_A006_8.2 20110801 8.2	065_A006_11.7 20110801 11.7	065_A006_11.7-D 20110801 11.7	065_A006_15.0 20110801 15	
Metals (MG/KG)														
ANTIMONY	6" / 31	IGW SSL* / RDC SRS	0.97 UJ	1.4 UJ	5.7 UJ	1.1 UJ	0.99 UJ	0.99 UJ	9 UJ	5.1 UJ	12.7 UJ	1.1 UJ	1.1 UJ	1 UJ
CHROMIUM	120000	CrSCC	1000	7060	9090	206	92.1	18	4490 J	7640	12400	18.3	21.1	100
NICKEL	31" / 1600	IGW SSL* / RDC SRS	63.6	14.4	18.5 J	11.6	12.6	10.9	47.2	21.1 J	22.7 J	7.7 J	7.4 J	7.7 J
THALLIUM	3" / 5	IGW SSL* / RDC SRS	1.1 U	1.6 U	6.3 U	1.2 U	1.1 U	1.1 U	0.99 U	2.8 U	5.6 U	1.2 U	1.2 U	1.1 U
VANADIUM	78	RDC SRS	81.9	40.2	52.4 J	32.8	20.9	18.2	79.6	28.9 J	52.8 J	27.3	29.7	20.8
Miscellaneous Parameters (MG/KG)														
HEXAVALENT CHROMIUM	20	CrSCC	1.3 J	0.66 U	0.75 J	0.69 U	0.59 U	0.56 U	12.6	12.9	4.2	0.62 U	0.65 U	0.61 U
Miscellaneous Parameters (MV)														
OXIDATION REDUCTION POTENTIAL	NC	NA	332	201	213	338	381	481	260	224	214	332	337	344
Miscellaneous Parameters (S.U.)														
PH	NC	NA	8.49	10.4	10.3	8.92	8.26	7.99	11.5	11.3	11.7	7.75	7.73	7.91

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Table 5  
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Initial Investigation  
  
Sites 63 and 65 Remedial Investigation Report  
PPG Industries, Inc.  
Jersey City, New Jersey

LOCATION	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	065_A007						065_A008						
SAMPLE ID			065_A007_0.0	065_A007_3.1	065_A007_6.9	065_A007_6.9-D	065_A007_11.0	065_A007_15.0	065_A008_0.0	065_A008_5.0	065_A008_5.0-D	065_A008_7.0	065_A008_10.4	065_A008_15.0	
SAMPLE_DATE			20110801	20110801	20110801	20110801	20110801	20110801	20110801	20110801	20110801	20110801	20110801	20110801	20110801
TOP OF SAMPLE			0	3.1	6.9	6.9	11	15	0	5	5	7	10.4	15	
Metals (MG/KG)															
ANTIMONY	6" / 31	IGW SSL* / RDC SRS	10.6 UJ	10.5 UJ	9.2 J	10.6 J	3.5 UJ	1 UJ	6.1 J	3.2 J	4.4 J	3.1 J	1.4 UJ	1 UJ	
CHROMIUM	120000	CrSCC	5050 J	5990 J	50.9 J	44 J	23.1 J	23.4	3830	1490 J	1970 J	1510 J	490 J	30.8 J	
NICKEL	31" / 1600	IGW SSL* / RDC SRS	50.3	16.2	17.3	19.8	8.8 J	8.8 J	54	7.7 J	6.9 J	14.3	14.9	9.9	
THALLIUM	3" / 5	IGW SSL* / RDC SRS	1.2 U	1.2 U	1.3 U	1.2 U	3.8 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.6 U	1.1 U	
VANADIUM	78	RDC SRS	75.9	58.6	27.8	42.1	21.1 J	24.4	83.1	16.2	15.2	30	24.1	26.7	
Miscellaneous Parameters (MG/KG)															
HEXAVALENT CHROMIUM	20	CrSCC	10.1	9.6	0.66 U	0.67 U	2 U	0.6 U	2.4 J	5.5	6.7	9.5	0.84 U	0.58 U	
Miscellaneous Parameters (MV)															
OXIDATION REDUCTION POTENTIAL	NC	NA	365	282	218	137	454	428	347	376	355	340	387	450	
Miscellaneous Parameters (S.U.)															
PH	NC	NA	9.43	10.5	9.57	9.65	7.96	8.38	10.4	10.3	10.4	10	8.37	7.94	

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CrSCC = NJDEP CHROMIUM SOIL CLEANUP CRITERIA (FEB 2007/SEPT 2008)  
\*IGW SSL APPLIES ONLY TO SATURATED ZONE  
NC = NO CRITERIA  
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Initial Investigation  
  
Sites 63 and 65 Remedial Investigation Report  
PPG Industries, Inc.  
Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	065_A009					065_A010			
			065_A009_0.0 20110801	065_A009_2.5 20110801	065_A009_2.5-D 20110801	065_A009_6.0 20110801	065_A009_15.0 20110801	065_A010_0.3 20110801	065_A010_5.0 20110801	065_A010_15.0 20110801	065_A010_15.0-D 20110801
			0	2.5	2.5	6	15	0.3	5	15	15
Metals (MG/KG)											
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	2.4 UJ	1 UJ	1 UJ	6.1 J	0.9 UJ	0.93 UJ	2.6 UJ	0.93 UJ	0.98 UJ
CHROMIUM	120000	CrSCC	2240	73.7	67.3	23.2	95.9	472	51.1	32.6	34.6
NICKEL	31* / 1600	IGW SSL* / RDC SRS	44.6	10.1	11	11.3	17.7	26.5	26.1	12.3	15.6
THALLIUM	3* / 5	IGW SSL* / RDC SRS	1.1 U	1.1 U	1.1 U	1.1 U	0.99 U	1 U	2.8 U	1 U	1.1 U
VANADIUM	78	RDC SRS	110	13.7	16.7	7.9 J	38.5	45.1	19.3 J	28.8	34.3
Miscellaneous Parameters (MG/KG)											
HEXVALENT CHROMIUM	20	CrSCC	0.58 U	0.57 U	0.58 U	0.6 U	0.55 U	1.6 J	0.58 U	0.53 U	0.54 U
Miscellaneous Parameters (MV)											
OXIDATION REDUCTION POTENTIAL	NC	NA	478	467	467	410	398	378	398	382	390
Miscellaneous Parameters (S.U.)											
PH	NC	NA	7.7	8.2	8.25	8.01	8.75	9.35	8.06	9.16	9.04

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CrSCC = NJDEP CHROMIUM SOIL CLEANUP CRITERIA (FEB 2007/SEPT 2008)  
\*IGW SSL APPLIES ONLY TO SATURATED ZONE  
NC = NO CRITERIA  
NA = NOT APPLICABLE  
EXCEEDS MINIMUM SOIL REMEDIATION  
STANDARD/SCREENING LEVEL  
NON-DETECTION EXCEEDS MINIMUM SOIL  
REMEDIATION STANDARD/SCREENING LEVEL

Table 5  
Positive Hits Table for Soil Samples  
Initial Investigation  
  
Sites 63 and 65 Remedial Investigation Report  
PPG Industries, Inc.  
Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	065_A011					065_A012					
			065_A011_0.0 20110728 0	065_A011_5.0 20110728 5	065_A011_10.0 20110728 10	065_A011_15.0 20110728 15	065_A011_18.0 20110728 18	065_A012_0.0 20110801 0	065_A012_5.0 20110801 5	065_A012_10.0 20110801 10	065_A012_10.0-D 20110801 10	065_A012_15.0 20110801 15	065_A012_18.5 20110801 18.5
			Metals (MG/KG)										
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	3 J	3.1 J	1.1 UJ	0.97 UJ	0.91 UJ	1 UJ	0.99 UJ	1.7 UJ	1.7 UJ	0.99 UJ	1 UJ
CHROMIUM	120000	CrSCC	647	31.2	13.7 J	14.1 J	20.9 J	549	21.8	243 J	121 J	50.1	14.2
NICKEL	31* / 1600	IGW SSL* / RDC SRS	49.4	14.4	12.1	9.3	16	43.3	13.1	24.7	23.1	7.2 J	13.7
THALLIUM	3* / 5	IGW SSL* / RDC SRS	0.99 U	1.1 U	1.2 U	1.1 U	1 U	1.1 U	1.1 U	1.8 U	1.9 U	1.1 U	1.1 U
VANADIUM	78	RDC SRS	79	23.4	20.7	21.2	32.6	54.7	28.3	33.2	33.1	19.7	20.5
Miscellaneous Parameters (MG/KG)													
HEXAVALENT CHROMIUM	20	CrSCC	4.3	0.58 U	0.59 U	0.58 U	0.55 U	8.9	0.55 U	0.99 U	1 U	0.58 U	0.59 U
Miscellaneous Parameters (MV)													
OXIDATION REDUCTION POTENTIAL	NC	NA	469	430	449	428	430	492	449	452	442	433	428
Miscellaneous Parameters (S.U.)													
PH	NC	NA	8.3	8.26	7.29	8.32	8.97	7.5	8.32	7.79	7.83	7.84	8.49

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Table 5

Positive Hits Table for Soil Samples  
Initial Investigation

Sites 63 and 65 Remedial Investigation Report  
PPG Industries, Inc.  
Jersey City, New Jersey

LOCATION	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	065_A013						065_A014							
SAMPLE ID			065_A013_0.0	065_A013_0.5	065_A013_5.0	065_A013_10.0	065_A013_15.5	065_A013_17.0	065_A014_0.0	065_A014_0.5	065_A014_1.5	065_A014_5.5	065_A014_10.0	065_A014_10.0-D	065_A014_15.0	065_A014_16.7
SAMPLE_DATE			20110728	20110728	20110728	20110728	20110728	20110728	20110801	20110801	20110801	20110801	20110801	20110801	20110801	20110801
TOP OF SAMPLE			0	0.5	5	10	15.5	17	0	0.5	1.5	5.5	10	10	15	16.7
Metals (MG/KG)																
ANTIMONY	6" / 31	IGW SSL* / RDC SRS	9 UJ	7.3 J	1.9 J	4.3 J	3.2 UJ	0.96 UJ	1.6 J	2 J	1.8 J	1.3 J	6 J	5.9 J	2.4 UJ	1.1 UJ
CHROMIUM	120000	CrSCC	2330	749	22.3	11.3	13.3 J	17.1	409	206	34.6	747	22	25	221	3.6
NICKEL	31" / 1600	IGW SSL* / RDC SRS	96.9	28.8	12.5	19.1	13.9 J	13.2	43.3	30.6	20.1	15.2	18.6	15.1	26.7	1.5 J
THALLIUM	3" / 5	IGW SSL* / RDC SRS	0.99 U	1 U	1.1 U	1.4 U	3.5 UJ	1.1 U	0.98 U	1 U	1 U	1.2 U	1.5 U	1.5 U	2.6 U	1.2 U
VANADIUM	78	RDC SRS	135	84.2	14.4	14.5	18.4 J	24.8	63.9	47.9	28.6	14.6	17.4	15.7	35.2	7.6 J
Miscellaneous Parameters (MG/KG)																
HEXAVALENT CHROMIUM	20	CrSCC	7.6	7.8	0.59 U	0.72 U	2 U	0.57 U	2.8 J	0.96 J	0.54 UJ	0.66 J	0.76 UJ	0.74 UJ	1.3 UJ	0.64 UJ
Miscellaneous Parameters (MV)																
OXIDATION REDUCTION POTENTIAL	NC	NA	555	573	479	411	374	404	413	451	391	375	348	351	347	368
Miscellaneous Parameters (S.U.)																
PH	NC	NA	8.45	8.28	8.3	8.01	7.76	7.03	7.98	8.2	9.59	8.18	7.75	7.71	7.71	7.2

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Table 5  
Positive Hits Table for Soil Samples  
Initial Investigation  
  
Sites 63 and 65 Remedial Investigation Report  
PPG Industries, Inc.  
Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP OF SAMPLE	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	065_A015					
			065_A015_0.0 20110801 0	065_A015_5.0 20110801 5	065_A015_10.3 20110801 10.3	065_A015_10.3-D 20110801 10.3	065_A015_15.0 20110801 15	065_A015_19.0 20110801 19
			Metals (MG/KG)					
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	1.7 J	1 UJ	1.9 J	2 J	2.8 UJ	1 UJ
CHROMIUM	120000	CrSCC	132	91.4	17.4 J	34.8 J	25.1 J	15.4
NICKEL	31* / 1600	IGW SSL* / RDC SRS	33.4	13.8	11.8 J	16.4	18.3 J	13.9
THALLIUM	3* / 5	IGW SSL* / RDC SRS	1 U	1.2 U	1.8 U	1.8 U	3.1 U	1.1 U
VANADIUM	78	RDC SRS	44.6	13.6	13.7 J	18.6	29.5 J	25.6
Miscellaneous Parameters (MG/KG)								
HEXAVALENT CHROMIUM	20	CrSCC	0.51 UJ	3.2 J	0.91 UJ	0.95 UJ	1.6 UJ	0.61 UJ
Miscellaneous Parameters (MV)								
OXIDATION REDUCTION POTENTIAL	NC	NA	363	439	391	371	457	355
Miscellaneous Parameters (S.U.)								
PH	NC	NA	8.67	8.03	7.63	7.6	7.67	7.76

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