

Table 22

Comparison of Groundwater Results to Ecological Surface Water Screening Criteria - Delineation Investigation

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

1 of 1

Parameter	Frequency of Detection	Minimum Detected Concentration	Maximum Detected Concentration	Sample of Max Detect	Overall Average	Screening Criteria		Hazard Quotient ⁽¹⁾			
						Value	Source	Screening Criteria	10X Screening Criteria	25X Screening Criteria	50X Screening Criteria
Inorganics (ug/L)											
ANTIMONY	5/10	2.2 J	283	063_MW11_20130208	31.9	80	FW ESC	0.40	0.04	0.016	0.008
CHROMIUM	8/10	7.1	51400	063_MW11_20130208	5448	50	SA ESC	109	10.9	4.4	2.2
NICKEL	7/10	4.4 J	272	063_MW01_20130206	59.4	22	SA ESC	2.7	0.27	0.11	0.054
VANADIUM	8/10	3.8 J	1620	063_MW01_20130206	307	12	FW ESC	25.6	2.6	1.0	0.51
Miscellaneous Parameters (ug/L)											
HEXAVALENT CHROMIUM	7/10	6.2 J	270	063_MW01_20130206	39.3	50	SA ESC	0.79	0.08	0.031	0.0157
Miscellaneous Parameters (MV)											
OXIDATION REDUCTION POTENTIAL	10/10	-40	440	063_MW08_20130208	225	NC	NA	NA	NA	NA	NA
Miscellaneous Parameters (S.U.)											
PH	10/10	6.93	11.2	063_MW01_20130206	8.58	NC	NA	NA	NA	NA	NA

FW ESC = NJDEP Freshwater Surface Water Ecological Screening Levels

SA ESC = NJDEP Saline Surface Water Ecological Screening Levels (these values were preferentially selected over the freshwater values because the bay is saline).

U = Non-Detect

J = Estimated Value

NC = No Criteria

NA = Not Applicable

1 - Hazard Quotient = Overall Average Concentration/Screening Criteria (or the screening criteria multiplied by 10, 25, or 50)

Exceeds Screening Criteria