

Table 22

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

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

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	Frequency of Detection	Minimum Detected Concentration	Maximum Detected Concentration	Sample of Maximum Detect	Overall Average	Screening Criteria	Source of Screening Criteria	Hazard Quotient ⁽¹⁾	Hazard Quotient (10x Screening Criteria) ⁽²⁾
Inorganics (UG/L)									
ANTIMONY	3/14	1.9 J	4.9	016_MW07_20130131	1.4	80	FW ESC	0.02	0.002
CHROMIUM	13/14	4.5 J	742	016_MW07_20130131	125	86	FW ESC	1.5	0.15
NICKEL	6/14	5.8	78.7	016_MW07_20130131	11.7	52	FW ESC	0.23	0.02
VANADIUM	13/14	4.1 J	84.1	016_MW07_20130131	16.4	12	FW ESC	1.4	0.14
Miscellaneous Parameters (UG/L)									
HEXAVALENT CHROMIUM	2/14	3.2 J	27.9	016_MW08_20130201	4.05	10	FW ESC	0.41	0.04
Miscellaneous Parameters (MV)									
OXIDATION REDUCTION POTENTIAL	14/14	304	558	016_MW06_20130130	398	NC	NA	NA	NA
Miscellaneous Parameters (S.U.)									
PH	14/14	5.45	8.21	016_MW06_20130130	6.78	NC	NA	NA	NA

1 - Hazard Quotient = Overall Average Concentration/Screening Criteria

2 - Hazard Quotient (10X Screening Criteria) = Overall Average Concentration/(Screening Criteria * 10)

U = Non-Detect

J = Estimated Value

NC = No Criteria

NA= Not Applicable

FW ESC = NJDEP Freshwater Surface Water Ecological Screening Levels

Exceeds Screening Criteria