

Table 21

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

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

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Parameter	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	0/14				2.30	80	FW ESC	0.03	0.003
CHROMIUM	13/14	3.2 J	397	016_MW08-20110915	40.7	86	FW ESC	0.47	0.047
NICKEL	2/14	6.6 J	7.3 J	016_MW08-20110915	2.49	52	FW ESC	0.05	0.005
THALLIUM	0/14				2.30	10	FW ESC	0.23	0.023
VANADIUM	12/14	2 J	18.2 J	016_MW08-20110915	4.89	12	FW ESC	0.41	0.041
Miscellaneous Parameters (UG/L)									
HEXAVALENT CHROMIUM	9/14	1.5 J	182	016_MW08-20110915	15.7	10	FW ESC	1.57	0.157
Miscellaneous Parameters (MV)									
OXIDATION REDUCTION POTENTIAL	14/14	431	486	016_MW08-20110915	460	NC	NA	NA	NA
Miscellaneous Parameters (S.U.)									
PH	14/14	7.21	8.53	016_MW03-20110915	7.68	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