

Table 19

Comparison of Surface Soil Results to Ecological 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 Detection	Overall Average	Soil Screening Criteria ⁽¹⁾	Hazard Quotient ⁽²⁾
Inorganics (mg/kg)							
ANTIMONY	7/69	0.9 J	9.6 J	016_K013_1.2	1.6	0.27	35.6
CHROMIUM	69/69	8.3 J	4570	016_K013_1.2	187	26 ⁽³⁾	176
NICKEL	69/69	4.1 J	3220	016_H009_0.4	111	38 ⁽⁴⁾	84.7
VANADIUM	69/69	10 J	589	016_K013_1.2	42.6	2	295
Miscellaneous Parameters (mg/kg)							
HEXAVALENT CHROMIUM	20/69	0.55 J	208 J	016_K013_1.2	6.4	130	1.6
Miscellaneous Parameters (MV)							
OXIDATION REDUCTION POTENTIAL	65/65	250	599	016_D018_0.4	408	NC	NA
Miscellaneous Parameters (S.U.)							
PH	65/65	5.34	11.3	016_I009_0.0	8.9	NC	NA

1 - Lowest New Jersey Ecological Screening Criteria for soil, except where noted

2 - Hazard Quotient = Overall Average Concentration/Screening Criteria

3 - Used chromium +3 value

4 - Lowest of USEPA Ecological Soil Screening Level value as cited in the New Jersey Ecological Screening Criteria table

NC - No criteria

NA - Not Applicable

Exceeds Criteria