

Table 19

Comparison of Surface Soil Results to Ecological Criteria - Initial Investigation

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

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