

Table 19

Comparison of Surface Soil Results to Ecological Criteria - Initial 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	Ecological Screening Criteria ⁽¹⁾	Hazard Quotient ⁽²⁾
Inorganics (mg/kg)							
ANTIMONY	15/52	0.9 J	38.2 J	063_B005_1.3	2.4	0.27	141
CHROMIUM	52/52	24.7	14200 J	063_C006_1.0	1721	26 ⁽³⁾	546
NICKEL	52/52	8.1 J	333	063_B013_0.0	61.7	38 ⁽⁴⁾	8.8
VANADIUM	52/52	18.6	497	063_C011_0.4	92.3	2	249
Miscellaneous Parameters (mg/kg)							
HEXAVALENT CHROMIUM	40/52	0.52 J	33.3 J	063_B006_1.0	4.9	130	0.26
MISCELLANEOUS PARAMETERS (MV)							
OXIDATION REDUCTION POTENTIAL	52/52	260	555	065_A013_0.0	424	NC	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	52/52	5.78	11.8	063_C006_1.0	8.8	NC	NC

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

J = ESTIMATED

NC = NO CRITERIA

NA = NOT APPLICABLE

Exceeds ESC