

Table 21

Comparison of Groundwater Results to Ecological Surface Water Screening 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 | Screening Criteria | | Hazard Quotient ⁽¹⁾ | | | |
|--|------------------------|--------------------------------|--------------------------------|----------------------|-----------------|--------------------|--------|--------------------------------|------------------------|------------------------|------------------------|
| | | | | | | Value | Source | Screening Criteria | 10X Screening Criteria | 25X Screening Criteria | 50X Screening Criteria |
| Inorganics (ug/L) | | | | | | | | | | | |
| ANTIMONY | 3/7 | 4.9 J | 16.8 J | 063_MW01-20110804 | 5.24 | 80 | FW ESC | 0.07 | 0.01 | 0.003 | 0.001 |
| CHROMIUM | 6/7 | 5.7 J | 5160 | 063_MW01-20110804 | 1013 | 50 | SA ESC | 20.3 | 2.0 | 0.81 | 0.41 |
| NICKEL | 6/7 | 7.1 J | 318 | 063_MW01-20110804 | 71.4 | 22 | SA ESC | 3.2 | 0.32 | 0.13 | 0.065 |
| VANADIUM | 4/7 | 5.1 J | 1870 | 063_MW01-20110804 | 352 | 12 | FW ESC | 29.3 | 2.9 | 1.2 | 0.59 |
| Miscellaneous Parameters (ug/L) | | | | | | | | | | | |
| HEXAVALENT CHROMIUM | 3/10 | 4.5 J | 21.8 J | 063_MW01-20110804 | 5.16 | 50 | SA ESC | 0.10 | 0.01 | 0.004 | 0.0021 |
| Miscellaneous Parameters (MV) | | | | | | | | | | | |
| OXIDATION REDUCTION POTENTIAL | 7/7 | 96 | 483 | 063_MW03-20110804 | 368 | NC | NA | NA | NA | NA | NA |
| Miscellaneous Parameters (S.U.) | | | | | | | | | | | |
| PH | 7/7 | 6.89 | 10.1 | 063_MW06-20110916 | 8.14 | NC | NA | NA | NA | NA | NA |

FW ESC = NJDEP Freshwater Surface Water Ecological Screening Levels

SA ESC = NJDEP Saline Surface Water Ecological Screening Levels (these values were preferentially selected over the freshwater values because the bay is saline).

U = Non-Detect

J = Estimated Value

NC = No Criteria

NA = Not Applicable

1 - Hazard Quotient = Overall Average Concentration/Screening Criteria (or the screening criteria multiplied by 10, 25, or 50)

Exceeds Screening Criteria