

**Table 3.5-8
Creek Monitoring Results After System Restart for Station SW-16
Former York Naval Ordinance Plant - York, PA**

| Sample Date | Detected Concentrations at Station SW-16 in µg/L | | | Codorus Creek Discharge at USGS Gauge No. 01575500 (cfs) | Calculated Codorus Creek Discharge at Station SW-16 (cfs) | % Base Flow on Sample Date | Calculated Mass Flux in Creek at Station SW-16 (lbs/day) | | |
|---------------------|--|-------|----------|--|---|----------------------------|--|------|----------|
| | PCE | TCE | cis12DCE | | | | PCE | TCE | cis12DCE |
| 03/10/15 | 0.001 | 0.27 | 0.001 | 1151 | 1327 | 20% | 0.01 | 1.93 | 0.01 |
| 03/24/15 | 0.51 | 0.27 | 0.35 | 264 | 304 | 100% | 0.84 | 0.44 | 0.57 |
| 04/21/15 | 0.15 | 0.22 | 0.001 | 219 | 253 | 58% | 0.20 | 0.30 | 0.00 |
| 05/20/15 | 0.001 | 0.001 | 0.001 | 173 | 199 | 57% | 0.00 | 0.00 | 0.00 |
| 06/15/15 | 0.42 | 0.36 | 0.31 | 143 | 165 | 87% | 0.37 | 0.32 | 0.28 |
| 07/15/15 | 0.22 | 0.18 | 0.001 | 314 | 362 | 64% | 0.43 | 0.35 | 0.00 |
| 08/14/15 | 0.61 | 0.44 | 0.37 | 108 | 125 | 95% | 0.41 | 0.30 | 0.25 |
| 09/15/15 | 0.40 | 0.37 | 0.001 | 136 | 157 | 79% | 0.34 | 0.31 | 0.00 |
| Arithmetic Mean (1) | 0.29 | 0.26 | 0.13 | | | | | | |
| WQC | 0.69 | 2.5 | 12 | | | | | | |

Notes: (1) - Arithmetic mean calculated based on all sample results
WQC - Water quality criteria from PA Code § Chapter 93 - Water Quality Standards (Table 5 - Water Quality Criteria for Toxic Substances)
cfs - cubic feet per second
0.001 - represents a non-detect concentration