

**Table 3.5-3  
Creek Shut Down Monitoring Results for Station SW-13  
Former York Naval Ordinance Plant - York, PA**

| Sample Date         | Detected Concentrations at Station SW-13 in µg/L |      |          | Codorus Creek Discharge at USGS Gauge No. 01575500 (cfs) | Calculated Codorus Creek Discharge at Station SW-13 (cfs) | % Base Flow on Sample Date | Mass Flux in Creek at Station SW-13 (lbs/day) |      |          |
|---------------------|--|------|----------|--|---|----------------------------|---|------|----------|
|                     | PCE  | TCE  | cis12DCE |  |   |                            | PCE   | TCE  | cis12DCE |
| 01/23/14            | 1.90   | 1.20 | 0.63     | 355  | 414   | 100%                       | 4.25  | 2.68 | 1.41     |
| 02/04/14            | 1.40   | 0.93 | 0.51     | 378  | 441   | 78%                        | 3.33  | 2.21 | 1.21     |
| 02/20/14            | 1.10   | 0.72 | 0.39     | 561  | 655   | 70%                        | 3.88  | 2.54 | 1.38     |
| 03/04/14            | 2.10   | 1.20 | 0.70     | 492  | 574   | 100%                       | 6.50  | 3.72 | 2.17     |
| 03/17/14            | 1.60   | 0.73 | 0.001    | 556  | 649   | 100%                       | 5.60  | 2.56 | 0.00     |
| 08/25/14            | 1.70   | 1.00 | 0.96     | 108  | 126   | 89%                        | 1.16  | 0.68 | 0.66     |
| 09/08/14            | 3.20   | 1.90 | 1.60     | 94   | 109   | 93%                        | 1.89  | 1.12 | 0.94     |
| 09/22/14            | 5.00   | 2.70 | 2.20     | 86   | 100   | 95%                        | 2.69  | 1.45 | 1.19     |
| 10/07/14            | 3.90   | 2.30 | 1.90     | 85   | 100   | 90%                        | 2.10  | 1.24 | 1.02     |
| 10/20/14            | 4.30   | 2.70 | 2.10     | 85   | 99  | 100%                       | 2.30  | 1.44 | 1.12     |
| 11/03/14            | 4.40   | 3.40 | 2.70     | 93   | 108   | 96%                        | 2.57  | 1.98 | 1.58     |
| 11/20/14            | 3.10   | 2.50 | 2.00     | 82   | 95  | 89%                        | 1.59  | 1.29 | 1.03     |
| 12/03/14            | 2.10   | 1.40 | 1.00     | 201  | 235   | 47%                        | 2.66  | 1.77 | 1.27     |
| 12/22/14            | 3.50   | 2.60 | 2.00     | 99   | 115   | 100%                       | 2.17  | 1.61 | 1.24     |
| 01/13/15            | 1.20   | 0.66 | 0.49     | 294  | 343   | 40%                        | 2.22  | 1.22 | 0.91     |
| Arithmetic Mean (1) | 2.70   | 1.73 | 1.28     |  |   |                            |   |      |          |
| Arithmetic Mean (2) | 3.21   | 2.22 | 1.74     |  |   |                            |   |      |          |
| WQC                 | 0.69   | 2.5  | 12       |  |   |                            |   |      |          |

Notes: (1) - Arithmetic mean calculated based on all sample results  
(2) - Arithmetic mean calculated based on sample data from 10/6/14 and later  
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