

Table 3.2.5-4
OU III Western South Boundary 2016-2017
Temporary Well Data

2016 BNL Groundwater Status Report

| WSB-VP-01-2016 | | | | | | | |
|-----------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------|
| Depth (Feet BLS) | 160 | 170 | 180 | 190 | 200 | 210 | |
| Date sampled: | 2/2/2016 | 2/2/2016 | 2/2/2016 | 2/1/2016 | 2/1/2016 | 2/1/2016 | |
| Compound | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| 1,1,1-Trichloroethane | 26 | 41 | 79 | 5.6 | | | |
| 1,1,1,2,2-Tetrachloroethane | | | | | | | |
| 1,1-Dichloroethane | 1.5 | 5.4 | 2.6 | 0.45 | | | |
| 1,1-Dichloroethene | 42 | 82 | 96 | 3.6 | | | |
| 1,2-Dichloroethane | | | 0.73 | | | | |
| 1,2-Dichloroethene | | 0.83 | 0.14 | | | | |
| Bromodichloromethane | | | | | | | |
| Chloroform | 0.19 | 0.48 | 0.5 | 1.1 | | | |
| Chloromethane | 0.093 | | 0.15 | | 0.092 | 0.095 | |
| Dibromochloromethane | | | | | | | |
| Dichlorodifluoromethane | | 0.12 | | 0.13 | 0.11 | 0.24 | |
| Methylene chloride | | | | | | | |
| Tetrachloroethene | 0.61 | 0.45 | | 0.29 | | | |
| Toluene | | | | | | | |
| Trichloroethene | 1.2 | 3 | 2.7 | 0.78 | | | |
| Trichloroethane | | | | | | | |
| Total VOC | 71.593 | 133.28 | 181.82 | 11.95 | 0.202 | 0.335 | |

Table 3.2.5-4
OU III Western South Boundary 2016-2017
Temporary Well Data

2016 BNL Groundwater Status Report

| WSB-VP-02-2016 | | | | | | | | | | | | |
|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|
| Depth (Feet BLS) | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 |
| Date sampled: | 2/11/2016 | 2/11/2016 | 2/11/2016 | 2/11/2016 | 2/10/2016 | 2/10/2016 | 2/10/2016 | 2/10/2016 | 2/10/2016 | 2/9/2016 | 2/9/2016 | 2/9/2016 |
| Compound | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| 1,1,1-Trichloroethane | | | 0.45 | 4.45 | 11.8 | | | | 57.1 | 14.9 | | |
| 1,1,2,2-Tetrachloroethane | | | | | | | | | | | | |
| 1,1,-Dichloroethylene | | | 0.66 | 5.13 | 15.2 | 1.13 | 4.67 | 6.65 | 88.6 | 8.07 | | |
| 1,1-Dichloroethane | | | | 0.44 | 1.32 | 0.34 | 3.18 | 4.73 | 7.47 | | | |
| 1,2-Dichloroethane | | | | | 0.35 | 0.34 | | | 0.98 | | | |
| Dibromochloromethane | | | | | | | | | | | | |
| Chloroform | | | 0.77 | 1.91 | | | | | 0.51 | 0.49 | | |
| Chloromethane | | | | | | | | | | | | |
| cis-1,2-Dichloroethene | | | | | | | | | | | | |
| Dibromochloromethane | | | | | | | | | | | | |
| Dichlorodifluoromethane | | | | | | | 1.78 | 2.42 | 0.96 | | 1.01 | 0.49 |
| Methylene chloride | | | | | | | | | | | | |
| Tetrachloroethene | | | | | | | | | | | | |
| Trichloroethene | | | | | 0.86 | 1.37 | 2.32 | 2.83 | 4.99 | 1.47 | | |
| Toluene | | | | | | | | | | 0.4 | | |
| Trichloroluoromethane | | | | | | | | | | | | |
| Total VOC | 0 | 0 | 1.88 | 11.93 | 29.53 | 3.18 | 11.95 | 16.63 | 160.61 | 25.33 | 1.01 | 0.49 |

Table 3.2.5-4
OU III Western South Boundary 2016-2017
Temporary Well Data

2016 BNL Groundwater Status Report

| WSB-VP-03 Compound | Depth (Feet BLS) | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 |
|---------------------------|------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | Date sampled: | 11/18/2016 | 11/18/2016 | 11/18/2016 | 11/18/2016 | 11/18/2016 | 11/18/2016 | 11/18/2016 | 11/17/2016 | 11/17/2016 | 11/17/2016 | 11/17/2016 | 11/16/2016 |
| | | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| 1,1-Dichloroethane | | | | | 0.074 | 0.36 | 0.24 | 0.45 | 0.28 | 0.23 | 2.3 | | |
| Trichloroethene | | | | | | | | | | | | | |
| Toluene | | | | | | | | | | | | 0.41 | |
| Tetrachloroethene | | | | | | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | | | | | | | | | | | | | |
| Methylene chloride | | | | | | | | | | | | | |
| 1,2-Dichloroethane | | | | | | | | | | | | | |
| Chloroform | | 1.7 | 1.7 | 2.4 | 2.8 | 2.8 | 1.9 | 2.6 | 0.8 | 0.45 | 0.11 | | |
| 1,1,1-Trichloroethane | | | | | | 0.39 | 0.46 | 1.6 | 3.2 | 7.7 | 2.4 | | |
| Dichlorodifluoromethane | | | | | | | | | | | 1.7 | | 0.21 |
| Chloromethane | | | | | | | | | | | | | |
| Trichloroethene | | | | | | | | 0.55 | 1.7 | 2.4 | 2.2 | | |
| Tetrachloroethene | | | | | | | | 0.2 | | | | | |
| 1,2-Dichloroethene | | | | | | | | | | | | | |
| Trichloroluoromethane | | | | | | | | | | | | | |
| 1,1-Dichloroethene | | | | | | 0.23 | 0.28 | 1.5 | 0.68 | 2.8 | 5.7 | 0.12 | |
| Total VOC | | 1.7 | 1.7 | 2.4 | 2.874 | 3.78 | 2.88 | 6.9 | 6.66 | 13.58 | 14.41 | 0.53 | 0.21 |

Table 3.2.5-4
OU III Western South Boundary 2016-2017
Temporary Well Data

2016 BNL Groundwater Status Report

| WSB-VP-04 | Depth (Feet BLS) | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 |
|---------------------------|------------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | Date sampled: | 11/29/2016 | 11/29/2016 | 11/29/2016 | 11/29/2016 | 11/29/2016 | 11/29/2016 | 11/28/2016 | 11/28/2016 | 11/28/2016 | 11/28/2016 | 11/28/2016 |
| Compound | | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| 1,1-Dichloroethane | | | | | 0.13 | 0.27 | 0.35 | 4.7 | 4.8 | 0.67 | 0.51 | 0.27 | 0.083 |
| Trichloroethene | | | | | | | | | | | | | |
| Toluene | | | | | | | | | | | | | |
| Tetrachloroethene | | | | | | | | 0.12 | | | | | |
| 1,1,2,2-Tetrachloroethane | | | | | | | | | | | | | |
| Methylene chloride | | | | | | | | | | | | | |
| 1,2-Dichloroethane | | | | | | | | | | | | | |
| Chloroform | | | | | 0.16 | | | | 0.41 | 0.95 | | | |
| 1,1,1-Trichloroethane | | | | | 0.8 | | | 0.17 | 39 | 17 | | | |
| Dichlorodifluoromethane | | | | | | | | 2.5 | 0.85 | 0.17 | 2.4 | 0.85 | |
| Chloromethane | | | | | | | | | | | | | |
| Trichloroethene | | | | | | 0.57 | 1.1 | 3 | 5.3 | 1.3 | | | |
| Tetrachloroethene | | | | | | 0.19 | 0.2 | 0.28 | | 0.42 | | | |
| 1,2-Dichloroethene | | | | | | | | | 0.64 | | | | |
| Trichloroluoromethane | | | | | | | | | | | | | |
| 1,1-Dichloroethene | | | | | 0.86 | 0.57 | 0.72 | 6.4 | 62 | 16 | | | |
| Total VOC | | 0 | 0 | 0 | 1.95 | 1.6 | 2.37 | 17.17 | 113 | 36.51 | 2.91 | 1.12 | 0.083 |

Table 3.2.5-4
OU III Western South Boundary 2016-2017
Temporary Well Data

2016 BNL Groundwater Status Report

| WSB-VP-05 Compound | Depth (Feet BLS) | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 |
|---------------------------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Date sampled: | 12/5/2016 | 12/5/2016 | 12/5/2016 | 12/5/2016 | 12/5/2016 | 12/5/2016 | 12/2/2016 | 12/2/2016 | 12/2/2016 | 12/2/2016 | 12/2/2016 | 12/2/2016 |
| | | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| 1,1-Dichloroethane | | | 0.072 | | | 0.21 | 0.36 | 4.7 | 11 | 7.3 | 3.9 | 4.2 | 3 |
| Trichloroethene | | | | | | | | | | | | | |
| Toluene | | | | | | | | | | | | | |
| Tetrachloroethene | | | | | | | | | 0.12 | 0.12 | | | |
| 1,1,2,2-Tetrachloroethane | | | | | | | | | | | | | |
| Methylene chloride | | | | | | | | | | | | | |
| 1,2,-Dichloroethane | | | | | | | | 0.27 | 0.64 | 0.34 | | | |
| Chloroform | | 1.7 | 1.3 | 1.1 | 1.1 | 1.1 | 0.33 | | | | | | |
| 1,1,1-Trichloroethane | | | | | | 0.34 | 0.38 | 0.51 | 0.2 | | | | |
| Dichlorodifluoromethane | | | | | | | | 0.24 | 0.98 | 2.4 | 17 | 13 | 14 |
| Chloromethane | | | | | | | | | 0.22 | 0.31 | | | |
| Trichloroethene | | | | | | | 0.28 | 1.5 | 3.2 | 3.1 | 4.5 | 2.5 | 1.5 |
| Tetrachloroethene | | | | | | | | 0.31 | 0.35 | 0.28 | | | |
| 1,2-Dichloroethene | | | | | | | | | | | 0.1 | | |
| Trichloroluoromethane | | | | | | | | | | | | | |
| 1,1-Dichloroethene | | 0.19 | 0.11 | 0.17 | 0.21 | 0.4 | 1.1 | 31 | 64 | 32 | 5.4 | 3.2 | 2.2 |
| Total VOC | | 1.89 | 1.482 | 1.27 | 1.31 | 0 | 0 | 38.53 | 80.71 | 45.85 | 30.9 | 22.9 | 20.7 |

Table 3.2.5-4
OU III Western South Boundary 2016-2017
Temporary Well Data

2016 BNL Groundwater Status Report

| WSB-VP-06 | Depth (Feet BLS) | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 |
|---------------------------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Compound | Date sampled: | 12/9/2016 | 12/9/2016 | 12/9/2016 | 12/9/2016 | 12/9/2016 | 12/8/2016 | 12/8/2016 | 12/8/2016 | 12/8/2016 | 12/8/2016 | 12/8/2016 | 12/8/2016 |
| | | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| 1,1-Dichloroethane | | | | | | 0.16 | 1.9 | 1.3 | 1.2 | 3.3 | 3.5 | 4 | 3 |
| Trichloroethene | | | | | | | | | | | | | |
| Toluene | | | | | | | | | | 0.17 | | | |
| Tetrachloroethene | | | | | | | | | | 0.11 | 0.1 | | |
| 1,1,2,2-Tetrachloroethane | | | | | | | | | | | | | |
| Methylene chloride | | | | | | | | | | | | | |
| 1,2-Dichloroethane | | | | | | | | | | | | | |
| Chloroform | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | 1.2 | 1.3 | | | | | | |
| Dichlorodifluoromethane | | | | | | | 0.3 | 0.45 | 1.2 | 2.8 | 12 | 26 | 7.8 |
| Chloromethane | | | | | | | | | | | | | |
| Trichloroethene | | | | | | 0.3 | 1.4 | 2 | 2.3 | 3.6 | 4.5 | 5.2 | 1.7 |
| Tetrachloroethene | | | | | | | 0.3 | | | | 0.24 | | |
| 1,2-Dichloroethene | | | | | | | | | | | | | |
| Trichloroluoromethane | | | | | | | | | | | | | |
| 1,1-Dichloroethene | | | | | | 2.6 | 12 | 2.1 | 1.5 | 3.7 | 3.8 | 4.1 | 2.3 |
| Total VOC | | 0 | 0 | 0 | 0 | 4.26 | 17.2 | 5.85 | 6.2 | 13.68 | 24.14 | 39.3 | 14.8 |

Table 3.2.5-4
OU III Western South Boundary 2016-2017
Temporary Well Data

2016 BNL Groundwater Status Report

| WSB-VP-07 | | | | | | | | | | | | |
|---------------------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|-------------|--------------|-------------|-------------|------|
| Depth (Feet BLS) | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | |
| Date sampled: | 1/13/2017 | 1/13/2017 | 1/13/2017 | 1/13/2017 | 1/13/2017 | 1/13/2017 | 1/12/2017 | 1/12/2017 | 1/12/2017 | 1/12/2017 | 1/12/2017 | |
| Compound | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| 1,1-Dichloroethane | | 0.14 | 0.49 | 0.35 | 0.7 | 1.4 | 1.5 | 1.6 | 2.6 | 4 | | |
| Trichloroethene | | | | | | | | | | | | |
| Toluene | | | | | | | | | | | | |
| Tetrachloroethene | | | | | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | | | | | | | | | | | | |
| Methylene chloride | | | | | | | | | | | | |
| 1,2-Dichloroethane | | | | | 0.37 | 0.29 | 0.26 | | | | | |
| Chloroform | 0.92 | 1.4 | 2.2 | 1.3 | 0.86 | 1.4 | 7.4 | 5.4 | 0.26 | | | |
| 1,1,1-Trichloroethane | 0.19 | 0.31 | 0.72 | 1.5 | 21 | 12 | 13 | 3.5 | 1.8 | 0.23 | | |
| Dichlorodifluoromethane | | | | | | 0.4 | 0.52 | 1.2 | 1.8 | 2 | 0.35 | |
| Chloromethane | | | | | | | | | | | | |
| Trichloroethene | | | | | | 0.97 | 4 | 5 | 3.9 | 0.6 | | |
| Tetrachloroethene | | | | | 0.32 | 0.36 | | | | | | |
| 1,2-Dichloroethane | | | | | | | | | | | | |
| Trichloroluoromethane | | | | | | | | | | | | |
| 1,1-Dichloroethene | 0.14 | 0.14 | 0.5 | 1.2 | 21 | 19 | 19 | 3 | 3.1 | 3.1 | | |
| Total VOC | 1.25 | 1.99 | 3.91 | 4.35 | 44.25 | 35.82 | 45.68 | 19.7 | 13.46 | 9.93 | 0.35 | |

Table 3.2.5-4
OU III Western South Boundary 2016-2017
Temporary Well Data

2016 BNL Groundwater Status Report

| WSB-VP-08 Compound | Depth (Feet BLS) | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 |
|---------------------------|------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | Date sampled: | 12/15/2016 | 12/15/2016 | 12/15/2016 | 12/15/2016 | 12/15/2016 | 12/15/2016 | 12/14/2016 | 12/14/2016 | 12/14/2016 | 12/14/2016 | 12/14/2016 | 12/14/2016 |
| | | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| 1,1-Dichloroethane | | | 0.074 | 0.12 | 0.12 | 0.095 | 0.99 | 1.6 | 3 | 2.9 | 1.5 | 2.6 | |
| Trichloroethene | | | | | | | | | | | | | |
| Toluene | | | | | | | | | | | 0.44 | 0.15 | |
| Tetrachloroethene | | | | | | | | | | 0.11 | | 0.15 | |
| 1,1,2,2-Tetrachloroethane | | | | | | | | | | | | | |
| Methylene chloride | | | | | | | | | | | | | |
| 1,2-Dichloroethane | | | | | | | 0.24 | | | | | | |
| Chloroform | | | 0.37 | 0.28 | 0.27 | 0.22 | 2.5 | 4.6 | 0.42 | | | | |
| 1,1,1-Trichloroethane | | | | 1.1 | 0.55 | 0.59 | 15 | 3.1 | 1.4 | | | | |
| Dichlorodifluoromethane | | | | | | | 3.8 | 1.4 | 0.96 | 1.5 | 2.5 | 6.3 | 0.46 |
| Chloromethane | | | | | | | | | | | | | |
| Trichloroethene | | | | | | | 2 | 3.7 | 5.2 | 2.7 | 0.54 | 0.51 | |
| Tetrachloroethene | | | | | | | 2.8 | | | | | | |
| 1,2-Dichloroethene | | | | | | | | | | | | | |
| Trichloroluoromethane | | | | | | | 0.13 | | | | | | |
| 1,1-Dichloroethene | | | 0.15 | 1.1 | 0.66 | 0.65 | 17 | 3.5 | 3.2 | 2.2 | 0.96 | 1.8 | |
| Total VOC | | 0 | 0.594 | 2.6 | 1.6 | 0 | 44.46 | 17.9 | 14.18 | 9.41 | 5.94 | 11.51 | 0.46 |

Table 3.2.5-4
OU III Western South Boundary 2016-2017
Temporary Well Data

2016 BNL Groundwater Status Report

| WSB-VP-09 | Depth (Feet BLS) | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 |
|---------------------------|------------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | Date sampled: | 12/20/2016 | 12/20/2016 | 12/20/2016 | 12/20/2016 | 12/20/2016 | 12/20/2016 | 12/20/2016 | 12/20/2016 | 12/20/2016 | 12/20/2016 | 12/20/2016 |
| Compound | | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| 1,1-Dichloroethane | | | | | | | 0.27 | 4.6 | 3 | 1.6 | 1.5 | | |
| Toluene | | | | | | | | | | | | | |
| cis-1,2-Dichloroethene | | | | | | | | 0.11 | | | | | |
| 1,1,2,2-Tetrachloroethane | | | | | | | | | | | | | |
| Methylene chloride | | | | | | | | | | | | | |
| 1,1,-Dichloroethylene | | | | | | | | | | | | | |
| Chloroform | | | | | | | | | 0.35 | | | | |
| 1,1,1-Trichloroethane | | | | | | | | 0.2 | 17 | | | | |
| Dichlorodifluoromethane | | | | | | | | 2.2 | 3.1 | 15 | 2.2 | 0.4 | |
| Chloromethane | | | | | | | | | | | | | |
| Bromomethane | | | | | | | | 0.46 | | 0.45 | | | |
| Trichloroethene | | | | | | 0.34 | 0.74 | 4.2 | 3.9 | | | | |
| Tetrachloroethene | | | | | | | 0.19 | | | | | | |
| 1,2-Dichloroethane | | | | | | | | | 0.24 | | | | |
| Trichloroluoromethane | | | | | | | | | | | | | |
| 1,1-Dichloroethene | | | | | | | 0.48 | 4.5 | 24 | 0.95 | 0.3 | 0.25 | |
| Total VOC | | 0 | 0 | 0 | 0 | 0.34 | 1.68 | 16.27 | 51.59 | 18 | 4 | 0.65 | 0 |

Table 3.2.5-4
OU III Western South Boundary 2016-2017
Temporary Well Data

2016 BNL Groundwater Status Report

| WSB-VP-10 Compound | Depth (Feet BLS) | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 |
|---------------------------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Date sampled: | 1/20/2017 | 1/20/2017 | 1/20/2017 | 1/20/2017 | 1/20/2017 | 1/19/2017 | 1/19/2017 | 1/19/2017 | 1/19/2017 | 1/19/2017 | 1/19/2017 | 1/19/2017 |
| | | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| 1,1-Dichloroethane | | 0.09 | 0.092 | 0.1 | | 0.13 | 0.44 | 0.71 | 0.35 | 1.7 | 2.3 | 2.6 | 2.7 |
| Bromoform | | | | | | | | | | | | 0.2 | |
| Toluene | | | | | | | | | | | | | |
| cis-1,2-Dichloroethene | | | | | | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | | | | | | | | | | | | | |
| Methylene chloride | | | | | | | | | | | | | |
| 1,1,-Dichloroethylene | | | | | | | | | | | | | |
| Chloroform | | 1.4 | 1.7 | 2.1 | 2.3 | 2.2 | 2.1 | 1.3 | | | | | |
| 1,1,1-Trichloroethane | | | | | | 0.19 | 0.34 | 0.42 | 0.17 | | | | |
| Dichlorodifluoromethane | | | | | | | | | | | 0.5 | 3.3 | 27 |
| Chloromethane | | | | | | | | | | | | | |
| Bromomethane | | | | | | | | | | | | | |
| Trichloroethene | | | | | | | | | 0.28 | | 1.5 | 2.7 | 4.2 |
| Tetrachloroethene | | | | | | | | | | 0.24 | 0.34 | 0.51 | |
| 1,2-Dichloroethane | | | | | | | | | | | | | |
| Trichloroluoromethane | | | | | | | | | | | | | |
| 1,1-Dichloroethene | | | | | | 0.15 | 0.28 | 0.5 | 0.32 | 3.6 | 3.6 | 3.6 | 3.5 |
| Total VOC | | 1.49 | 1.792 | 2.2 | 2.3 | 2.67 | 3.16 | 2.93 | 1.12 | 5.54 | 8.24 | 12.91 | 37.4 |

Table 3.2.5-4
OU III Western South Boundary 2016-2017
Temporary Well Data

2016 BNL Groundwater Status Report

| WSB-VP-11 | | | | | | | | | | | | | |
|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Depth (Feet BLS) | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 | |
| Date sampled: | 1/26/2017 | 1/26/2017 | 1/26/2017 | 1/26/2017 | 1/26/2017 | 1/26/2017 | 1/25/2017 | 1/25/2017 | 1/25/2017 | 1/25/2017 | 1/25/2017 | 1/25/2017 | 1/25/2017 |
| Compound | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| 1,1-Dichloroethane | | | 0.26 | 0.36 | 0.33 | 1.3 | 2.2 | 2.7 | 5.4 | 2.8 | | | |
| Bromoform | | | | | | | | | | | | | |
| Toluene | | | | | | | | | 0.18 | | | | |
| cis-1,2-Dichloroethene | | | | | | | | | 0.1 | | | | |
| 1,1,2,2-Tetrachloroethane | | | | | | | | | | | | | |
| Methylene chloride | | | | | | | | | | | | | |
| 1,1,-Dichloroethylene | | | | | | | | | | | | | |
| Chloroform | 0.18 | 0.51 | 1.5 | 1.8 | 1.4 | 1.1 | 0.92 | 0.63 | 0.54 | 0.32 | | | |
| 1,1,1-Trichloroethane | 0.18 | 0.18 | 0.48 | 0.65 | 1.7 | 29 | 13 | 53 | 70 | 36 | | | |
| Dichlorodifluoromethane | | | | | | 0.28 | | 1.1 | 0.77 | | | 0.35 | |
| Chloromethane | | | | | | | 1.6 | | | | | | |
| Bromomethane | | | | | | | | | | | | | |
| Trichloroethene | | | | | | 1.2 | 1.5 | 3.9 | 4.6 | 1.9 | | | |
| Tetrachloroethene | | | | | | 0.38 | | | | | | | |
| 1,2-Dichloroethane | | | | | | 0.62 | | 0.46 | 1 | 0.54 | | | |
| Trichloroluoromethane | | | | | | | | | | | | | |
| 1,1-Dichloroethene | 0.17 | 0.11 | 0.22 | 0.5 | 1.4 | 27 | 6.9 | 48 | 79 | 47 | | | |
| Total VOC | 0.53 | 0.8 | 2.46 | 3.31 | 4.83 | 60.88 | 26.12 | 109.79 | 161.59 | 88.56 | 0.35 | 0 | |

Table 3.2.5-4
OU III Western South Boundary 2016-2017
Temporary Well Data

2016 BNL Groundwater Status Report

| WSB-VP-12 | Depth (Feet BLS) | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 |
|---------------------------|------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Compound | Date sampled: | 3/2/2017 | 3/2/2017 | 3/2/2017 | 3/2/2017 | 3/2/2017 | 3/2/2017 | 3/1/2017 | 3/1/2017 | 3/1/2017 | 3/1/2017 | 3/1/2017 | 3/1/2017 |
| | | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| 1,1-Dichloroethane | | | | | 0.12 | 0.6 | 2.2 | 1.9 | 1.1 | 0.1 | 0.08 | | |
| Bromoform | | | | | | | | | | | | | |
| Toluene | | | | | | | | | | | | | |
| cis-1,2-Dichloroethene | | | | | | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | | | | | | | | | | | | | |
| Methylene chloride | | | | | | | | | | | | | |
| 1,1,-Dichloroethylene | | | | | | | | | | | | | |
| Chloroform | | 1.1 | 1.5 | 1.7 | 1.7 | 1.5 | 0.26 | | | 0.21 | 0.15 | | |
| 1,1,1-Trichloroethane | | | | | | 0.5 | 0.31 | | | | | | |
| Dichlorodifluoromethane | | | | | | | 0.62 | 1.7 | 11 | 0.19 | 0.36 | | |
| Chloromethane | | | | | | | | | | | | | |
| Bromomethane | | | | | | | | | | | | | |
| Trichloroethene | | | | | | 0.27 | 1 | 2.5 | 2.7 | | | | |
| Tetrachloroethene | | | | | | | 0.24 | 0.22 | 0.23 | | | | |
| 1,2-Dichloroethane | | | | | | | | | | | | | |
| Trichloroluoromethane | | | | | | | | | | | | | |
| 1,1-Dichloroethene | | | | | 0.19 | 0.74 | 2.9 | 1.9 | 2.4 | 0.11 | 0.14 | | |
| Total VOC | | 1.1 | 1.5 | 1.7 | 2.01 | 3.61 | 7.53 | 8.22 | 17.43 | 0.61 | 0.73 | 0 | 0 |

Table 3.2.5-4
OU III Western South Boundary 2016-2017
Temporary Well Data

2016 BNL Groundwater Status Report

| WSB-VP-13 Compound | Depth (Feet BLS) | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 |
|---------------------------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Date sampled: | 2/24/2017 | 2/24/2017 | 2/24/2017 | 2/24/2017 | 2/24/2017 | 2/24/2017 | 2/24/2017 | 2/23/2017 | 2/23/2017 | 2/23/2017 | 2/23/2017 |
| | | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| 1,1-Dichloroethane | | 0.095 | 0.22 | 0.072 | | 0.3 | 0.92 | 0.84 | 1.8 | 0.11 | | |
| Bromoform | | | | | | | | | | | | |
| Toluene | | | | | | | | | | | | |
| cis-1,2-Dichloroethene | | | | | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | | | | | | | | | | | | |
| Methylene chloride | | | | | | | | | | | | |
| 1,1,-Dichloroethylene | | | | | | | | | | | | |
| Chloroform | | 1.1 | 1.4 | 1.3 | 1.3 | 1.5 | 1.9 | 0.42 | | 0.23 | | 0.15 |
| 1,1,1-Trichloroethane | | | | | | 0.2 | 0.8 | 0.9 | | | | |
| Dichlorodifluoromethane | | | | | | | | | 4.6 | | | |
| Chloromethane | | | | | | | | | | | | |
| Bromomethane | | | | | | | | | | | | |
| Trichloroethene | | | | | | | 0.43 | 0.87 | 3 | | | |
| Tetrachloroethene | | | | | | | | 0.23 | 0.57 | | | |
| 1,2-Dichloroethane | | | | | | | | | | | | |
| Trichloroluoromethane | | | | | | | | | | | | |
| 1,1-Dichloroethene | | 0.15 | 0.24 | 0.12 | | 0.26 | 1.4 | 4 | 4.6 | 0.17 | | |
| Total VOC | | 1.345 | 1.86 | 1.492 | 1.3 | 2.26 | 5.45 | 7.26 | 14.57 | 0.51 | 0 | 0.15 |

Table 3.2.5-4
OU III Western South Boundary 2016-2017
Temporary Well Data

2016 BNL Groundwater Status Report

| WSB-VP-14 | | | | | | | | | | | | |
|---------------------------|------------|-------------|-------------|-------------|-------------|-------------|---------------|--------------|-----------|-------------|-------------|--------------|
| Depth (Feet BLS) | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 |
| Date sampled: | 3/8/2017 | 3/8/2017 | 3/8/2017 | 3/8/2017 | 3/8/2017 | 3/8/2017 | 3/7/2017 | 3/7/2017 | 3/7/2017 | 3/7/2017 | 3/7/2017 | 3/7/2017 |
| Compound | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| 1,1-Dichloroethane | | | | 0.31 | | | 0.23 | 0.75 | 1.1 | 1.2 | 0.11 | 0.4 |
| Bromoform | | | | | | | | | | | | |
| Toluene | | | | | | | | | | | | 0.14 |
| cis-1,2-Dichloroethene | | | | | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | | | | | | | | | | | | |
| Methylene chloride | | | | | | | | | | | | |
| 1,1,-Dichloroethylene | | | | | | | | | | | | |
| Chloroform | 0.55 | 0.4 | 0.43 | 0.37 | 0.39 | | 0.5 | 3 | 6.3 | 1.4 | | 0.22 |
| 1,1,1-Trichloroethane | 0.5 | 0.33 | 0.45 | 0.32 | 0.45 | 1.1 | 61 | 30 | 4.9 | 1.7 | | 0.36 |
| Dichlorodifluoromethane | 0.34 | 0.3 | 0.38 | 0.32 | 0.32 | 0.2 | 0.38 | 2 | 1.8 | 48 | 6.5 | 30 |
| Chloromethane | | | | | | | | | | | | |
| Bromomethane | | | | | | | | | | | | |
| Trichloroethene | | | | | | | 0.58 | 1.3 | 1.6 | 1.4 | | |
| Tetrachloroethene | | | | | | | 0.43 | 0.46 | 0.5 | | | |
| 1,2-Dichloroethane | | | | | | 0.28 | 0.64 | 0.28 | | | | |
| Trichloroluoromethane | | | | | | | | | | | | |
| 1,1-Dichloroethene | 0.51 | 0.33 | 0.39 | | 0.42 | 1.3 | 64 | 31 | 5.8 | 3.5 | 0.16 | 0.45 |
| Total VOC | 1.9 | 1.36 | 1.65 | 1.32 | 1.58 | 2.88 | 127.76 | 68.79 | 22 | 57.2 | 6.77 | 31.57 |

Table 3.2.5-4
OU III Western South Boundary 2016-2017
Temporary Well Data

2016 BNL Groundwater Status Report

| WSB-VP-15 Compound | Depth (Feet BLS) | 97.5 | 107.5 | 117.5 | 127.5 | 137.5 | 147.5 | 157.5 | 167.5 | 177.5 | 187.5 | 197.5 | 207.5 |
|---------------------------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Date sampled: | 4/27/2017 | 4/27/2017 | 4/27/2017 | 4/27/2017 | 4/27/2017 | 4/27/2017 | 4/26/2017 | 4/26/2017 | 4/26/2017 | 4/26/2017 | 4/26/2017 | 4/26/2017 |
| | | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| 1,1-Dichloroethane | | | | | | 0.24 J | 1.4 | 1.9 | 1.5 | | | | |
| Bromoform | | | | | | | | | | | | | |
| Toluene | | | | | | | | | | | | | |
| cis-1,2-Dichloroethene | | | | | | | | | 0.16 J | | | | |
| 1,1,2,2-Tetrachloroethane | | | | | | | | | | | | | |
| Methylene chloride | | | | | | | | | | | | | |
| 1,1,-Dichloroethylene | | | | | | | | | | | | | |
| Chloroform | | 2 | 2 | 2 | 2.3 | 2.8 | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | | | | | | | | |
| Dichlorodifluoromethane | | | | | | | 0.31 J | 1 | 5.3 | 0.35 J | | | 0.36 J |
| Chloromethane | | | | | | | | | | | | | |
| Bromomethane | | | | | | | | | | | | | |
| Trichloroethene | | | | | | | 1.8 | 2.1 | 3.5 | | | | |
| Tetrachloroethene | | | | | | | 0.3 J | | | | | | |
| 1,2-Dichloroethane | | | | | | | | | | | | | |
| Trichloroluoromethane | | | | | | | | | | | | | |
| 1,1-Dichloroethene | | | | | | 0.16 | 2.3 | 2 | 1.9 | | | | |
| Total VOC | | 2 | 2 | 2 | 2.3 | 3.2 | 6.11 | 7 | 12.36 | 0.35 | 0 | 0 | 0.36 |

Table 3.2.5-4
OU III Western South Boundary 2016-2017
Temporary Well Data

2016 BNL Groundwater Status Report

| WSB-VP-16 | Depth (Feet BLS) | 97.5 | 107.5 | 117.5 | 127.5 | 137.5 | 147.5 | 157.5 | 167.5 | 177.5 | 187.5 | 192.5 | 207.5 | 217.5 | 222.5 |
|---------------------------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Date sampled: | | 4/21/2017 | 4/21/2017 | 4/21/2017 | 4/21/2017 | 4/21/2017 | 4/21/2017 | 4/20/2017 | 4/20/2017 | 4/20/2017 | 4/20/2017 | 4/20/2017 | 4/20/2017 | 4/20/2017 | 4/20/2017 |
| Compound | | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| 1,1-Dichloroethane | | | | | | .083 J | .19 J | 1.2 | 1.1 | 1.1 | 1.2 | 1.1 | 0.84 | 0.96 | 0.72 |
| Bromoform | | | | | | | | | | | | | | | |
| Toluene | | | | | | | | | | | | | | | |
| cis-1,2-Dichloroethene | | | | | | | | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | | | | | | | | | | | | | | | |
| Methylene chloride | | | | | | | | | | | | | | | |
| 1,1,-Dichloroethylene | | | | | | | | | | | | | | | |
| Chloroform | | 0.59 | 0.76 | 0.42 J | 0.46 J | 0.48 J | 0.9 | 9.1 | 6.4 | 8.2 | 1.7 | 0.76 | | | |
| 1,1,1-Trichloroethane | | | | | | | 8.3 | 2.4 | 2.8 | 2.3 | 1.4 | 0.62 | 0.35 J | 0.17 J | |
| Dichlorodifluoromethane | | 0.21 J | 0.14 J | 0.17 J | | | .16 J | 1.3 | 1.1 | 2.5 | 49 | 69 | 12 | 8.2 | 7.2 |
| Chloromethane | | | | | | | | | | | | | | | |
| Bromomethane | | | | | | | | | | | | | | | |
| Trichloroethene | | | | | | | 0.8 | 1.3 | 1.6 | 2.6 | 1.5 | | | | |
| Tetrachloroethene | | | | | | | .44 J | 0.7 | 0.69 | | | | | | |
| 1,2-Dichloroethane | | | | | | | | | | | | | | | |
| Trichloroluoromethane | | | | | | | | | | | | | | | |
| 1,1-Dichloroethene | | | | | | 0.14 J | 8.8 | 3.5 | 4 | 3.2 | 3.7 | 2.2 | 0.68 | 0.69 | 0.55 |
| Total VOC | | 0.8 | 0.9 | 0.59 | 0.46 | 0.62 | 19.4 | 19.5 | 17.69 | 19.9 | 58.5 | 73.68 | 13.87 | 10.02 | 8.47 |