

| Danversport Explosion Site | | | | | | | | | | | | | | | | |
|---|---------------------------|-----------|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------|
| USEPA Air Quality Assessment Results for the Marina Summa Air Sample Location | | | | | | | | | | | | | | | | |
| Station Name | | | | | Marina | |
| Sample Type | | | | | 8 Hour Summa | |
| Date Collected | | | | | 12/3/2006 | 12/5/2006 | 12/9/2006 | 12/12/2006 | 12/15/2006 | 12/19/2006 | 12/21/2006 | 12/28/2006 | 12/30/2006 | 01/11/07 | 01/19/07 | 01/23/07 |
| | Comparison Value (ppb/V)* | Source*** | Avg. Conc. detected for all samples collected (ppb/V) | Conc. (ppb/V) | |
| Analyte | | | | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 700 | Int. MRL | 0.011 | ND | ND | ND | 0.078 | ND | ND | ND | ND | 0.050 | ND | ND | | |
| 1,2,4- Trimethylbenzene | 25 | ATSDR | 0.098 | ND | 0.083 | ND | 0.061 | 0.078 | 0.29 | 0.26 | 0.099 | 0.051 | 0.073 | 0.14 | 0.041 | |
| 1,2-Dibromoethane | 1.2 | RfC | 0.025 | ND | ND | ND | ND | 0.12 | 0.14 | 0.041 | ND | ND | ND | ND | ND | |
| 1,2-Dichloroethane | 600 | Chr MRL | 0.000 | ND | |
| 1,3,5-Trimethylbenzene | 25 | ATSDR | 0.005 | ND | 0.056 | ND | | |
| 4-Ethyltoluene | 97 | ATSDR | 0.131 | ND | 0.11 | ND | 0.070 | 0.084 | 0.35 | 0.47 | 0.12 | 0.075 | 0.12 | 0.17 | ND | |
| Acetone | 13,000 | Int. MRL | 2.041 | ND | ND | ND | 1.2 | 4.7 | 4.2 | 9.2 | 1.4 | 1.2 | 1.4 | 0.63 | 0.56 | |
| Benzene | 6 | Int. MRL | 0.253 | 0.14 | 0.23 | 0.16 | 0.24 | 0.27 | 0.26 | 0.39 | 0.26 | 0.40 | 0.26 | 0.26 | 0.16 | |
| Carbon Tetrachloride | 30 | Int. MRL | 0.067 | ND | 0.069 | 0.071 | 0.072 | 0.082 | 0.067 | 0.080 | 0.065 | 0.079 | 0.11 | 0.060 | 0.049 | |
| Chlorobenzene | 75 | ATSDR | 0.000 | ND | |
| Chloroform | 50 | Int MRL | 0.004 | ND | 0.049 | ND | ND | |
| Cyclohexane | 1744 | RfC | 0.033 | ND | 0.110 | 0.22 | 0.060 | ND | |
| Dichlorodifluoromethane | 10,100 | RfC | 0.523 | 0.45 | 0.45 | 0.46 | 0.49 | 0.46 | 0.59 | 0.58 | 0.49 | 0.53 | 1.2 | 0.29 | 0.29 | |
| Ethylbenzene | 1,000 | Int. MRL | 0.484 | 0.18 | 0.38 | 0.038 | 0.17 | 0.14 | 1.1 | 1.0 | 0.36 | 0.33 | 0.74 | 1.1 | 0.27 | |
| Heptane | 1,000 | ATSDR | 0.579 | ND | ND | ND | ND | ND | 2.4 | 1.6 | 1.3 | 0.70 | 0.949 | ND | ND | |
| Hexane | 600 | Chr MRL | 0.502 | 0.65 | 0.41 | 0.31 | 0.40 | 0.68 | 0.84 | 0.55 | 0.35 | 0.39 | 0.81 | 0.35 | 0.28 | |
| Isopropyl Alcohol | 200 | ATSDR | 5.283 | ND | ND | ND | ND | 2.0 | 11.6 | 14 | 13 | 3.7 | 14 | 3.7 | 1.4 | |
| Methyl Chloride | 200 | Int. MRL | 0.000 | ND | |
| Methyl Ethyl Ketone | 1,700 | RfC | 1.194 | 0.61 | 1.3 | 0.61 | 0.65 | 0.57 | 3.6 | 2.0 | 1.8 | 0.87 | 0.96 | 0.95 | 0.41 | |
| Methyl Isobutyl Ketone | 731** | RfC | 0.117 | ND | 0.13 | ND | ND | ND | 0.31 | 0.17 | 0.17 | 0.074 | 0.053 | 0.41 | 0.082 | |
| Methylene Chloride | 300 | Int. MRL | 0.074 | 0.066 | 0.000 | 0.057 | ND | 0.11 | 0.061 | 0.21 | 0.064 | 0.082 | 0.13 | 0.061 | 0.042 | |
| Methyl Bromide | 50 | Int. MRL | 0.000 | ND | |
| Methyl-t-Butyl Ether | 700 | Int. MRL | 0.046 | ND | 0.12 | ND | ND | 0.052 | ND | 0.18 | 0.071 | 0.075 | ND | 0.050 | ND | |
| Styrene | 60 | Chr MRL | 0.029 | ND | ND | ND | 0.054 | 0.071 | 0.079 | 0.140 | ND | ND | ND | ND | ND | |
| Tetrachloroethylene | 40 | Chr MRL | 0.028 | ND | ND | ND | 0.058 | ND | 0.120 | 0.038 | 0.065 | 0.053 | ND | ND | | |
| Tetrahydrofuran | 100 | ATSDR | 0.019 | ND | ND | ND | 0.23 | ND | |
| Toluene | 80 | Chr MRL | 2.164 | 0.915 | 1.9 | 0.33 | 1.0 | 1.3 | 4.8 | 5.4 | 3.0 | 1.4 | 1.9 | 3.3 | 0.72 | |
| Trichloroethylene | 100 | Int. MRL | 0.003 | ND | 0.038 | ND | ND | |
| Trichlorofluoromethane | 8,897 | RfC | 0.252 | 0.20 | 0.22 | 0.22 | 0.23 | 0.23 | 0.52 | 0.31 | 0.23 | 0.26 | 0.31 | 0.14 | 0.15 | |
| Trichlorotrifluoroethane | 6,510 | RfC | 0.065 | 0.054 | 0.060 | 0.068 | 0.068 | 0.067 | 0.067 | 0.070 | 0.069 | 0.078 | 0.088 | 0.043 | 0.044 | |
| Vinyl Chloride | 30 | Int. MRL | 0.000 | ND | |
| m/p-Xylene | 600 | Int. MRL | 0.930 | 0.29 | 0.66 | 0.048 | 0.32 | 0.32 | 2.1 | 2.0 | 0.73 | 0.70 | 1.4 | 2.1 | 0.49 | |
| o-Xylene | 600 | Int. MRL | 0.242 | 0.091 | 0.18 | ND | 0.098 | 0.11 | 0.52 | 0.54 | 0.20 | 0.19 | 0.36 | 0.49 | 0.12 | |

* All Results are reported in parts per billion/volume.

**Some individuals may detect an odor at 100 ppb. Its odor has been described as "pleasant, camphor-like". However, not all compounds are detectable by odor.
The health-based comparison values used in this table have been selected to ensure that individuals (whether they detect an odor or not) will not experience adverse health effects.

*** See ATSDR Record of Activity (AROA) document.

ND - Not Detected (Not detected above its reporting limit).

Each sampling event includes the analysis of a wide range of volatile organic compounds (VOCs). Only compounds detected above their respective reporting limits are shown in this table.
The compounds included on this table are those which were detected by laboratory analysis.