

Danversport Explosion Site

USEPA Air Quality Assessment Results for the Riverside St. 2 Summa Air Sample Location

Station Name

Riverside St. 2

Sample Type

8 Hour

Date Collected

Summa

12/3/2006

Analyte	Comparison Value (ppb/V)*	Source***	Avg. Conc. detected for all samples collected (ppb/V)	Conc. (ppb/V)
1,1,1-Trichloroethane	700	Int. MRL	4.300	4.300
1,2,4- Trimethylbenzene	25	ATSDR	0.000	ND
1,3,5-Trimethylbenzene	25	ATSDR	0.000	ND
4-Ethyltoluene	97	ATSDR	0.000	ND
Acetone	13,000	Int. MRL	0.000	ND
Benzene	6	Int. MRL	0.150	0.150
Carbon Tetrachloride	30	Int. MRL	0.000	ND
Chloroform	50	Int MRL	0.000	ND
Dichlorodifluoromethane	10,100	RfC	0.500	0.500
Ethylbenzene	1,000	Int. MRL	0.092	0.092
Heptane	1,000	ATSDR	0.000	ND
Hexane	600	Chr MRL	0.948	0.948
Methyl Ethyl Ketone	1,700	RfC	0.000	ND
Methyl Isobutyl Ketone	731**	RfC	0.000	ND
Methylene Chloride	300	Int. MRL	0.072	0.072
Methyl-t-Butyl Ether	700	Int. MRL	0.000	ND
Styrene	60	Chr MRL	0.000	ND
Tetrachloroethylene	40	Chr MRL	0.000	ND
Tetrahydrofuran	100	ATSDR	0.000	ND
Toluene	80	Chr MRL	0.480	0.480
Trichlorofluoromethane	8,897	RfC	0.210	0.210
Trichlorotrifluoroethane	6,510	RfC	0.057	0.057
m/p-Xylene	600	Int. MRL	0.170	0.170
o-Xylene	600	Int. MRL	0.067	0.067

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

**Some individuals may notice an odor at 100 ppb. Its odor has been described as "pleasant, camphor-like". However, not all chemicals are detectable by odor.

The health-based comparison values used in this table have been selected to ensure that individuals (whether they notice an odor or not) will not experience adverse health effects.

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

0 - Not Detected (Chemical was not detected down to the reporting limit of the method used for analysis).

Each sampling event includes the analysis of a wide range of Volatile Organic Compounds (VOCs). The compounds included on this table are those for which detected by laboratory analysis.