

Danversport Explosion Site															
USEPA Air Quality Assessment Results for the Perimeter Southwest Summa Air Sample Location															
Station Name				Perimeter Southwest											
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)	Conc. (ppb/V)	Conc. (ppb/V)	Conc. (ppb/V)	Conc. (ppb/V)	Conc. (ppb/V)	Conc. (ppb/V)	Conc. (ppb/V)	Conc. (ppb/V)	Conc. (ppb/V)	Conc. (ppb/V)	Conc. (ppb/V)
Analyte															
1,1,1-Trichloroethane	700	Int. MRL	0.030	ND	ND	ND	0.23	ND	ND	ND	0.099	ND		ND	ND
1,2,4-Trimethylbenzene	25	ATSDR	0.355	0.073	0.13	0.072	0.40	0.18	2.3	0.052	0.11	0.18		0.074	0.33
1,2-Dibromoethane	1.2	RfC	0.000	ND		ND	ND								
1,2-Dichloroethane	600	Chr MRL	0.000	ND		ND	ND								
1,3,5-Trimethylbenzene	25	ATSDR	0.151	ND	ND	0.033	0.18	0.066	1.1	ND	0.064	0.079		ND	0.14
4-Ethyltoluene	97	ATSDR	0.491	0.089	0.16	0.096	0.52	0.20	3.4	0.064	0.15	0.21		0.087	0.43
Acetone	13,000	Int. MRL	2.568	ND	ND	ND	3.7	5.6	9.1	5.0	1.7	1.7		0.45	1.0
Benzene	6	Int. MRL	0.250	0.17	0.25	0.23	0.27	0.26	0.26	0.26	0.23	0.37		0.18	0.27
Carbon Tetrachloride	30	Int. MRL	0.070	0.074	0.063	0.079	0.073	0.086	0.067	0.078	0.065	0.064		0.043	0.074
Chlorobenzene	75	ATSDR	0.000	ND		ND	ND								
Chloroform	50	Int. MRL	0.000	ND		ND	ND								
Cyclohexane	1744	RfC	0.009	ND	0.097		ND	ND							
Dichlorodifluoromethane	10,100	RfC	0.470	0.49	0.44	0.50	0.61	0.45	0.46	0.55	0.51	0.54		0.23	0.39
Ethylbenzene	1,000	Int. MRL	1.308	0.57	2.4	0.86	1.5	0.60	2.6	0.22	0.73	0.92		0.49	3.5
Heptane	1,000	ATSDR	0.853	ND	ND	ND	2.0	ND	2.7	ND	0.68	1.7		ND	2.3
Hexane	600	Chr MRL	0.542	0.76	0.54	0.51	0.64	0.66	0.88	0.39	0.30	0.39		0.45	0.44
Isopropyl Alcohol	200	ATSDR	3.205	ND	ND	ND	ND	ND	6.85	4.0	2.4	11		1.6	9.4
Methyl Chloride	200	Int. MRL	0.000	ND		ND	ND								
Methyl Ethyl Ketone	1,700	RfC	1.949	0.48	1.3	1.5	7.1	0.83	3.1	0.75	0.91	1.9		0.67	2.9
Methyl Isobutyl Ketone	731**	RfC	0.505	0.18	0.64	0.51	0.64	0.26	0.91	0.057	0.27	0.62		0.27	1.2
Methylene Chloride	300	Int. MRL	0.095	0.066	ND	0.063	ND	0.12	0.093	0.43	0.074	0.087		0.051	0.056
Methyl Bromide	50	Int. MRL	0.000	ND		ND	ND								
Methyl-t-Butyl Ether	700	Int. MRL	0.000	ND		ND	ND								
Styrene	60	Chr MRL	0.026	ND	ND	ND	0.088	0.068	0.13	ND	ND	ND		ND	ND
Tetrachloroethylene	40	Chr MRL	0.023	ND	ND	ND	ND	0.12	ND	0.074	ND	0.060		ND	ND
Tetrahydrofuran	100	ATSDR	0.364	ND	ND	ND	2.4	ND	1.6	ND	ND	ND		ND	ND
Toluene	80	Chr MRL	6.730	0.83	2.1	4.6	22	1.7	16	2.3	12	3.7		1.0	7.8
Trichloroethylene	100	Int. MRL	0.000	ND		ND	ND								
Trichlorofluoromethane	8,897	RfC	0.274	0.21	0.22	0.33	0.29	0.25	0.59	0.24	0.26	0.25		0.12	0.25
Trichlorotrifluoroethane	6,510	RfC	0.062	0.060	0.057	0.067	0.065	0.063	0.063	0.064	0.074	0.072		0.036	0.061
Vinyl Chloride	30	Int. MRL	0.000	ND		ND	ND								
m/p-Xylene	600	Int. MRL	2.030	0.82	2.0	1.3	2.1	1.2	4.5	0.40	0.97	1.7		0.94	6.4
o-Xylene	600	Int. MRL	0.530	0.22	0.47	0.33	0.53	0.34	1.3	0.12	0.42	0.46		0.24	1.4

\* 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 (ROA) 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.

Shaded columns indicate dates on which analytical data was not collected.