

Danversport Explosion Site															
USEPA Air Quality Assessment Results for the Harvey Inc. Summa Air Sample Location															
Station Name				Harvey Inc.											
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)											
<b>Analyte</b>															
1,1,1-Trichloroethane	700	Int. MRL	0.023	ND	ND	0.042	ND	ND	0.16	ND	ND	ND	ND	ND	0.048
1,2,4- Trimethylbenzene	25	ATSDR	0.079	0.13	ND	0.033	0.37	0.11	0.11	ND	ND	0.065		0.046	ND
1,2-Dibromoethane	1.2	RfC	0.010	ND	ND	ND	ND	ND	0.11	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	600	Chr MRL	0.014	ND	ND	ND	ND	ND	0.15	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	25	ATSDR	0.019	0.060	ND	ND	0.15	ND							
4-Ethyltoluene	97	ATSDR	0.086	0.15	ND	ND	0.46	0.12	ND	0.046	0.043	0.078		0.049	ND
Acetone	13,000	Int. MRL	3.547	ND	ND	ND	20	6.8	2.7	5.7	1.5	1.3		0.50	0.52
Benzene	6	Int. MRL	0.293	0.23	0.23	0.19	0.50	0.32	0.35	0.24	0.22	0.35		0.25	0.34
Carbon Tetrachloride	30	Int. MRL	0.085	0.071	0.062	0.072	0.095	0.075	0.20	0.073	0.072	0.067		0.051	0.095
Chlorobenzene	75	ATSDR	0.013	ND	ND	ND	ND	ND	0.140	ND	ND	ND		ND	ND
Chloroform	50	Int MRL	0.016	ND	ND	ND	ND	ND	0.180	ND	ND	ND		ND	ND
Cyclohexane	1744	RfC	0.008	ND	0.087		ND	ND							
Dichlorodifluoromethane	10,100	RfC	0.476	0.47	0.44	0.53	0.50	0.47	0.51	0.55	0.50	0.54		0.31	0.42
Ethylbenzene	1,000	Int. MRL	0.231	0.14	0.090	0.077	1.3	0.18	0.23	0.088	0.085	0.14		0.079	0.13
Heptane	1,000	ATSDR	0.165	ND	ND	ND	ND	1.1	ND	0.720	ND	ND		ND	ND
Hexane	600	Chr MRL	0.578	0.91	0.54	0.59	0.68	0.74	0.60	0.32	0.36	0.37		0.72	0.53
Isopropyl Alcohol	200	ATSDR	0.493	ND	ND	ND	ND	ND	ND	0.99	2.5	1.4		0.15	0.38
Methyl Chloride	200	Int. MRL	0.000	ND		ND	ND								
Methyl Ethyl Ketone	1,700	RfC	0.580	ND	ND	ND	3.9	ND	0.72	0.66	0.55	0.36		0.19	ND
Methyl Isobutyl Ketone	731**	RfC	0.038	ND	ND	ND	0.42	ND	ND	ND	ND	ND		ND	ND
Methylene Chloride	300	Int. MRL	0.103	0.079	ND	ND	0.084	0.12	0.21	0.44	ND	0.080		0.062	0.063
Methyl Bromide	50	Int. MRL	0.012	ND	ND	ND	ND	ND	0.130	ND	ND	ND		ND	ND
Methyl-t-Butyl Ether	700	Int. MRL	0.000	ND		ND	ND								
Styrene	60	Chr MRL	0.019	ND	ND	ND	0.073	0.087	ND	ND	ND	ND		0.048	ND
Tetrachloroethylene	40	Chr MRL	0.068	ND	ND	ND	0.053	0.43	0.15	0.042	ND	0.068		ND	ND
Tetrahydrofuran	100	ATSDR	0.175	ND	ND	ND	1.4	0.52	ND	ND	ND	ND		ND	ND
Toluene	80	Chr MRL	2.119	0.81	1.0	0.75	10	2.0	1.3	3.2	2.1	0.90		0.60	0.65
Trichlorethylene	100	Int. MRL	0.013	ND	ND	ND	ND	ND	0.14	ND	ND	ND		ND	ND
Trichlorofluoromethane	8,897	RfC	0.237	0.22	0.21	0.22	0.26	0.23	0.37	0.24	0.24	0.25		0.15	0.22
Trichlorotrifluoroethane	6,510	RfC	0.066	0.070	ND	0.067	0.068	0.060	0.13	0.072	0.072	0.074		0.048	0.065
Vinyl Chloride	30	Int. MRL	0.014	ND	ND	ND	ND	ND	0.15	ND	ND	ND		ND	ND
m/p-Xylene	600	Int. MRL	0.413	0.30	0.19	0.13	2.1	0.39	0.31	0.20	0.17	0.36		0.17	0.22
p-Xylene	600	Int. MRL	0.139	0.13	0.067	0.048	0.58	0.13	0.20	0.068	0.061	0.12		0.062	0.068

\* 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.

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