

Southwest Indianapolis Air Toxics Study Monitoring Information

Pollutant Detection Rates and Hazard Estimates



Pollutant	Harding Street			Stout Field		
	Detection Rate Percentage	Exposure Concentration ($\mu\text{g}/\text{m}^3$)*	Hazard Quotient	Detection Rate Percentage	Exposure Concentration ($\mu\text{g}/\text{m}^3$)*	Hazard Quotient
Acetaldehyde	87.00%	0.67	0.075	86.80%	0.7	0.078
Acetone	98.30%	11	0.00037	98.20%	290	0.0092
Acrolein	85.40%	1.9	96	82.20%	1.7	84
Arsenic	91.30%	0.001	0.037	89.10%	0.001	0.041
Benzene	100.00%	1.3	0.043	95.50%	1.9	0.064
Beryllium	97.40%	0.000008	0.0004	97.50%	0.000009	0.0004
Bromomethane	22.00%	0.32	0.064	27.00%	0.23	0.047
1,3-Butadiene	22.90%	0.11	0.053	25.20%	0.12	0.059
Cadmium	92.20%	0.00029	0.014	84.90%	0.00026	0.013
Carbon Disulfide	11.90%	0.17	0.00024	64.90%	0.53	0.00076
Carbon Tetrachloride	35.60%	0.28	0.0015	38.70%	0.28	0.0015
Chloroform	24.60%	0.1	0.001	9.90%	0.063	0.00065
Chloromethane	98.30%	1	0.011	96.40%	0.93	0.01
Cobalt	99.10%	0.0016	0.016	80.70%	0.0014	0.014
Cyclohexane	49.20%	0.18	0.000029	46.80%	0.17	0.000029
p-Dichlorobenzene	45.80%	0.34	0.00043	60.40%	0.72	0.0009
Dichlorodifluoromethane (F-12)	99.20%	2.8	0.0018	96.40%	2.6	0.0017
Dichloromethane	73.70%	0.52	0.00052	56.80%	0.22	0.00022
1,4-Dioxane	13.60%	0.25	0.000069	15.30%	0.13	0.000036
Ethanol	82.20%	51	0.00051	83.80%	34	0.00034
Ethyl Acetate	69.50%	0.5	0.0014	63.10%	0.34	0.00091
Ethylbenzene	74.60%	0.4	0.0004	70.30%	0.48	0.00048
Formaldehyde	93.50%	3.52	0.36	89.30%	2.36	0.24
Heptane	91.50%	0.57	0.0013	87.40%	0.61	0.0014
Hexane	100.00%	0.92	0.0013	95.50%	0.74	0.0011
Isopropanol	78.80%	2	0.00029	76.60%	1.6	0.00023
Lead	91.30%	0.0062	0.0042	96.60%	0.0094	0.0063
Manganese	100.00%	0.0064	0.13	93.30%	0.0063	0.13
Mercury	93.90%	0.00021	0.0007	95.00%	0.00019	0.0006
Methyl Ethyl Ketone (MEK)	99.20%	2.5	0.0005	96.40%	3.8	0.00077
Methyl Isobutyl Ketone (MIBK)	57.60%	0.34	0.00011	62.20%	0.41	0.00014
Methyl n-Butyl Ketone (MBK)	68.60%	1.3	0.023	73.00%	0.74	0.013
Nickel	87.00%	0.001	0.011	88.20%	0.002	0.022
Propene	97.50%	1	0.00034	94.60%	1.1	0.00038
Propionaldehyde	78.90%	0.17	0.021	99.20%	0.077	0.0096
Selenium	93.00%	0.0016	0.00008	89.90%	0.0018	0.00009
Styrene	14.40%	0.17	0.00017	60.40%	0.47	0.00047
Tetrachloroethene (PCE)	41.50%	0.33	0.0012	37.80%	0.27	0.001
Tetrahydrofuran (THF)	28.80%	0.18	0.0051	30.60%	0.19	0.0054
Toluene	100.00%	2.9	0.00058	96.40%	3.4	0.00069
Trichloroethene (TCE)	8.50%	0.12	0.0002	18.00%	0.13	0.00022
Trichlorofluoromethane (F-11)	100.00%	1.4	0.002	97.30%	1.4	0.002
1,3,5-Trimethylbenzene	13.60%	0.29	0.048	24.30%	0.16	0.026
1,2,4-Trimethylbenzene	86.40%	0.69	0.098	85.60%	0.89	0.13
Valeraldehyde	49.60%	0.016	0.00045	93.40%	0.014	0.00039
Vinyl Acetate	89.80%	5.3	0.026	88.30%	4.6	0.023
o-Xylene	82.20%	0.48	0.0048	76.60%	0.74	0.0074
m+p-Xylenes	93.20%	1.3	0.013	86.50%	1.8	0.018

* micrograms per cubic meter