

**Table 5: Air Concentration Summary of Volatile Organic Compounds Measured in 2001 at the White Rock Fire Station (ppbv)**

Compound Name	Chemical Abstract Service Compound Number	Number of Measurements	Number of Measurements < detection limit	Range	Mean	Standard Deviation
1,1,1-Trichloroethane	71-55-6	8	0	0.031-0.086	0.054	0.021
1,1,2,2-Tetrachloroethane	79-34-5	8	8	<0.047		
1,1-Dichloroethene	75-35-4	8	8	<0.01		
1,2,3-Trimethylbenzene	526-73-8	8	4	0.015-0.028	0.020	0.006
1,2,4-Trichlorobenzene	120-82-1	8	7	0.05	0.050	
1,2,4-Trimethylbenzene	95-63-6	8	0	0.025-0.15	0.078	0.040
1,2-Dichlorobenzene	95-50-1	8	7	0.018	0.018	
1,3,5-Trimethylbenzene	108-67-8	8	2	0.0095-0.048	0.028	0.012
1,3-Butadiene	106-99-0	8	1	0.028-0.12	0.068	0.030
1,3-Dichlorobenzene	541-73-1	8	7	0.01	0.010	
1,4-Dichlorobenzene	106-46-7	8	6	0.015-0.021	0.018	
1-Butanol	71-36-3	8	5	0.025-0.37	0.170	0.180
1-Butene/Isobutene	106-98-9	8	0	0.092-2.3	0.470	0.700
1-Heptene	592-76-7	8	0	0.028-0.41	0.110	0.130
1-Hexene	592-41-6	8	2	0.014-0.23	0.061	0.080
1-Methylcyclopentene	693-89-0	8	6	0.042-0.21	0.130	
1-Nonene	124-11-8	8	7	0.015	0.015	
1-Octene	111-66-0	8	7	0.0071	0.007	
1-Pentene	109-67-1	8	0	0.066-1.6	0.320	0.500
1-Propanol	71-23-8	8	6	0.24-0.41	0.330	
1-Undecene	821-95-4	8	4	0.011-0.15	0.065	0.060
2,2,3-Trimethylpentane	564-02-3	8	2	0.012-0.065	0.024	0.020
2,2,4-Trimethylpentane	540-84-1	8	0	0.037-0.91	0.220	0.290
2,2,5-Trimethylhexane	3522-94-9	8	4	0.014-0.028	0.019	0.007
2,2-Dimethylbutane	75-83-2	8	0	0.024-1.2	0.200	0.400
2,3,4-Trimethylpentane	565-75-3	8	1	0.076-0.21	0.120	0.040
2,3-Dimethylbutane	79-29-8	8	0	0.048-1.9	0.350	0.600
2,3-Dimethylpentane	565-59-3	8	0	0.048-0.92	0.230	0.290
2,4,4-Trimethyl-1-pentene	107-39-1	8	7	0.012	0.012	
2,4-Dimethylpentane	108-08-7	8	0	0.027-0.61	0.140	0.200
2,5-Dimethylhexane	592-13-2	8	2	0.011-0.071	0.020	0.020
2-Butanone (Methyl Ethyl Ketone)	78-93-3	8	0	0.18-1.8	0.530	0.500
2-Ethyl-1-butene	760-21-4	8	7	0.014	0.014	
2-Ethyltoluene	611-14-3	8	2	0.012-0.034	0.022	0.008
2-Methyl-1-pentene	763-29-1	8	2	0.0088-0.23	0.056	0.090
2-Methyl-2-butene	513-35-9	8	0	0.07-4.9	0.780	1.700
2-Methyl-2-pentene	625-27-4	8	0	0.011-0.34	0.066	0.100
2-Methylbutane	78-78-4	8	0	1.2-70	12.900	23.000
2-Methylheptane	592-27-8	8	0	0.023-0.13	0.054	0.040
2-Propanol	67-63-0	8	1	0.078-0.5	0.160	0.160
3-Ethyltoluene	620-14-4	8	0	0.018-0.1	0.050	0.030
3-Methyl-1-butene	563-45-1	8	1	0.035-0.91	0.170	0.330

3-Methylheptane	589-81-1	8	3	0.0093-0.086	0.034	0.030
3-Methylhexane	589-34-4	8	0	0.1-1.0	0.280	0.300
3-Methylpentane	96-14-0	8	0	0.1-3.9	0.700	1.300
4-Ethyltoluene	622-96-8	8	2	0.012-0.05	0.029	0.013
4-Methyl-1-pentene	691-37-2	8	6	0.014-0.15	0.081	
4-Methyl-2-pentanone	108-10-1	8	6	0.021-0.32	0.170	
Acetaldehyde	75-07-0	8	0	2.2-12.89	4.200	3.000
Acetone	67-64-1	8	0	2.6-16	5.800	4.000
Acetonitrile	75-05-8	8	6	0.11-0.13	0.120	
Acetylene	74-86-2	8	0	0.21-2.3	1.100	0.600
alpha-Pinene	80-56-8	8	1	0.02-0.082	0.050	0.030
Benzaldehyde	100-52-7	8	1	0.21-0.61	0.360	0.160
Benzene	71-43-2	8	0	0.18-3.2	0.800	1.000
beta-Pinene	127-91-3	8	7	0.0047	0.005	
Bromomethane	74-83-9	8	7	0.02	0.020	
Butane	106-97-8	8	0	1.2-104	19.000	34.000
Butyraldehyde	123-72-8	8	0	0.14-2.8	0.530	0.900
Carbon Tetrachloride	56-23-5	8	0	0.12-0.14	0.120	0.010
Chlorobenzene	108-90-7	8	8	<0.014		
Chlorodifluoromethane	75-45-6	8	0	0.18-0.37	0.240	0.070
Chloroethane	75-00-3	8	8	<0.015		
Chloroform	67-66-3	8	4	0.0055-0.011	0.008	0.003
Chloromethane	74-87-3	8	0	0.42-0.49	0.440	0.021
cis-2-Butene	590-18-1	8	0	0.036-2.9	0.470	1.000
cis-2-Hexene	7688-21-3	8	5	0.011-0.14	0.057	0.070
cis-2-Octene	7642-04-8	8	7	0.05	0.050	
cis-2-Pentene	627-20-3	8	0	0.037-1.8	0.320	0.600
cis-3-Heptene	7642-10-6	8	7	0.15	0.150	
cis-3-Hexene	7642-09-3	8	3	0.0082-0.15	0.043	0.060
cis-3-Methyl-2-pentene	922-62-3	8	5	0.0055-0.16	0.063	0.080
cis/trans-4-Methyl-2-pentene	691-38-3	8	2	0.0034-0.23	0.049	0.090
Cyclohexane	110-82-7	8	0	0.032-1.0	0.210	0.330
Cyclopentane	287-92-3	8	0	0.034-1.5	0.250	0.500
Cyclopentene	142-29-0	8	2	0.014-0.3	0.069	0.100
Dichlorofluoromethane	75-43-4	8	8	<0.014		
Ethane	74-84-0	8	0	2.6-21	7.100	6.000
Ethanol	64-17-5	8	0	3.4-11.7	7.600	2.800
Ethyl Benzene	100-41-4	8	0	0.036-0.28	0.120	0.070
Ethylene	74-85-1	8	0	0.41-2.5	1.500	0.700
Freon 11	75-69-4	8	0	0.28-0.31	0.290	0.011
Freon 113	76-13-1	8	0	0.066-0.086	0.074	0.006
Freon 114	76-14-2	8	0	0.011-0.014	0.012	0.001
Freon 12	75-71-8	8	0	0.56-0.61	0.590	0.020
Halocarbon 134A	811-97-2	8	0	0.029-0.097	0.049	0.021
Heptanal	111-71-7	8	6	0.048-0.19	0.120	
Heptane	142-82-5	8	0	0.024-0.58	0.140	0.180
Hexachlorobutadiene	87-68-3	8	7	0.022	0.022	
Hexanal	66-25-1	8	1	0.036-0.72	0.210	0.230
Hexane	110-54-3	8	0	0.098-3.8	0.700	1.200
Indan	496-11-7	8	8	<0.23		
Isobutane	75-28-5	8	0	0.45-32	5.300	11.000

Isoheptane	31394-5	8	0	0.048-1.7	0.330	0.600
Isohexane	107-83-5	8	0	0.2-6.7	1.200	2.200
Isoprene	78-79-5	8	3	0.019-0.11	0.050	0.040
Limonene	138-86-3	8	7	0.02	0.020	
Methanol	67-56-1	8	0	5.6-19	10.400	4.000
Methyl tert-Butyl Ether	1634-04-4	8	7	0.017	0.017	
Methylcyclohexane	108-87-2	8	0	0.0088-0.38	0.086	0.100
Methylcyclopentane	96-37-7	8	0	0.054-2.3	0.410	0.800
Methylene Chloride	75-09-2	8	0	0.023-0.083	0.056	0.021
n-Decane	124-18-5	8	1	0.009-0.027	0.017	0.007
n-Nonane	111-84-2	8	1	0.013-0.08	0.040	0.030
n-Octane	111-65-9	8	0	0.021-0.12	0.050	0.040
n-Propylbenzene	103-65-1	8	4	0.018-0.038	0.025	0.009
n-Undecane	1120-21-4	8	1	0.0056-0.027	0.017	0.009
Naphthalene	91-20-3	8	8	<0.08		
Neopentane	463-82-1	8	1	0.014-0.48	0.092	0.170
o-Xylene	95-47-6	8	0	0.052-0.34	0.150	0.090
p-Xylene/m-Xylene	106-42-3	8	0	0.1-0.943	0.370	0.260
Pentane	109-66-0	8	0	0.52-23	4.000	8.000
Propane	74-98-6	8	0	1-14.9	4.200	5.000
Propylene	115-07-1	8	0	0.094-0.98	0.390	0.270
Styrene	100-42-5	8	4	0.015-0.02	0.018	0.002
Tetrachloroethene	127-18-4	8	8	<0.04		
Toluene	108-88-3	8	0	0.3-3.4	1.100	1.000
trans-2-Butene	624-64-6	8	0	0.045-2.9	0.480	1.000
trans-2-Heptene	14686-1	8	7	0.035	0.035	
trans-2-Hexene	4050-45-7	8	1	0.014-0.28	0.065	0.100
trans-2-Pentene	646-04-8	8	0	0.095-3.6	0.620	1.200
trans-3-Heptene	14686-1	8	7	0.091	0.091	
Trichloroethene	79-01-6	8	8	<0.04		
Vinyl Acetate	108-05-4	8	7	0.54	0.540	