

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N020924W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Sat Feb 10 01:55:02 2024
 Response Via : Initial Calibration

Calibration Files

5 =VN080983.D 20 =VN080981.D 50 =VN080980.D 100 =VN080979.D 150 =VN080978.D 10 =VN080982.D

	Compound	5	20	50	100	150	10	Avg	%RSD
1) I	Bromochloromethane	-----ISTD-----							
2) M	Dichlorodifluo...	1.878	1.854	2.064	2.156	2.276	2.013	2.040	7.95
3) M	Chloromethane	2.257	1.905	1.884	1.943	2.304	2.008	2.050	8.97
4) M	Vinyl Chloride	2.516	2.286	2.296	2.394	2.924	2.249	2.444	10.40
5) M	Bromomethane	1.873	1.570	1.514	1.510	1.796	1.587	1.642	9.39
6) M	Chloroethane	1.661	1.510	1.461	1.540	1.936	1.451	1.593	11.55
7) M	Trichlorofluor...	3.328	3.126	3.041	3.194	3.596	3.024	3.218	6.71
8) T	Diethyl Ether	1.185	1.078	1.057	1.131	1.288	1.047	1.131	8.20
9)	1,1,2-Trichlor...	1.795	1.706	1.624	1.730	1.959	1.666	1.747	6.82
10) M	1,1-Dichloroet...	1.628	1.674	1.658	1.744	1.994	1.574	1.712	8.70
11)	Methyl Iodide	1.847	1.678	1.799	1.942	2.131	1.605	1.834	10.29
12)	Methyl Acetate	1.688	1.451	1.408	1.486	1.786	1.489	1.551	9.67
13) M	Acrolein	0.340	0.338	0.309	0.329	0.360	0.354	0.338	5.38
14) M	Acrylonitrile	0.771	0.733	0.737	0.770	0.925	0.685	0.770	10.68
15) M	Acetone	0.187	0.168	0.172	0.170	0.189	0.177	0.177	4.98
16) M	Carbon Disulfide	4.833	4.599	4.335	4.601	5.582	4.240	4.698	10.25
17)	Allyl chloride	2.096	2.091	2.102	2.148	2.463	2.000	2.150	7.48
18) M	Methylene Chlo...	2.097	1.935	1.790	1.888	2.269	1.760	1.956	9.92
19) M	trans-1,2-Dich...	1.920	1.925	1.831	1.927	2.323	1.736	1.943	10.30
20) T	Diisopropyl ether	4.987	4.876	4.985	5.194	6.450	4.514	5.168	12.91
21) M	1,1-Dichloroet...	3.373	3.210	3.109	3.275	3.993	2.910	3.312	11.15
22) M	cis-1,2-Dichlo...	2.162	2.227	2.166	2.268	2.749	1.977	2.258	11.53
23) M	tert-Butyl Alc...	0.294	0.273	0.261	0.274	0.322	0.261	0.281	8.37
24) M	Methyl tert-Bu...	5.477	5.463	5.511	5.755	6.856	4.991	5.675	11.08
25) M	Chloroform	3.538	3.619	3.446	3.676	4.444	3.321	3.674	10.82
26)	Cyclohexane	2.506	2.478	2.390	2.475	2.970	2.144	2.494	10.77
27) s	1,2-Dichloroet...	2.385	2.206	2.126	2.284	2.329	2.195	2.254	4.24
28) I	1,4-Difluorobenzene	-----ISTD-----							
29)	1,1-Dichloropr...	0.438	0.437	0.428	0.433	0.533	0.411	0.447	9.66
30) M	2-Butanone	0.170	0.156	0.155	0.160	0.185	0.157	0.164	7.20
31)	2,2-Dichloropr...	0.474	0.494	0.498	0.513	0.627	0.448	0.509	12.16
32) M	1,1,1-Trichlor...	0.561	0.544	0.543	0.552	0.659	0.515	0.562	8.85
33) M	Carbon Tetrach...	0.438	0.461	0.460	0.481	0.570	0.433	0.474	10.60
34) M	Benzene	1.383	1.332	1.304	1.307	1.593	1.273	1.366	8.61
35)	Methacrylonitrile	0.194	0.178	0.187	0.191	0.228	0.178	0.193	9.64
36) M	1,2-Dichloroet...	0.462	0.451	0.434	0.434	0.528	0.440	0.458	7.86
37) M	Trichloroethene	0.362	0.362	0.345	0.353	0.420	0.337	0.363	8.12
38)	Methylcyclohexane	0.429	0.433	0.425	0.449	0.535	0.405	0.446	10.32
39) M	1,2-Dichloropr...	0.318	0.316	0.305	0.311	0.383	0.309	0.324	9.12
40)	Dibromomethane	0.239	0.239	0.240	0.240	0.291	0.229	0.246	9.06
41) M	Bromodichlorom...	0.469	0.460	0.463	0.478	0.583	0.441	0.482	10.59
42) M	Vinyl Acetate	0.679	0.658	0.695	0.696	0.848	0.633	0.701	10.79
43)	Ethyl Acetate	0.323	0.333	0.346	0.337	0.406	0.303	0.341	10.20
44)	Isopropyl Acetate	0.626	0.584	0.588	0.603	0.713	0.568	0.614	8.57
45) T	1,4-Dioxane	0.006	0.006	0.005	0.006	0.007	0.006	0.006	7.38
46)	Methyl methacr...	0.291	0.263	0.273	0.279	0.326	0.254	0.281	9.05
47)	n-amyl Acetate	0.490	0.510	0.524	0.552	0.680	0.455	0.535	14.63
48) M	t-1,3-Dichloro...	0.453	0.475	0.497	0.512	0.650	0.445	0.505	14.94
49) T	cis-1,3-Dichlo...	0.501	0.529	0.544	0.553	0.682	0.477	0.548	13.09
50) M	1,1,2-Trichlor...	0.340	0.325	0.328	0.329	0.405	0.319	0.341	9.41
51)	Ethyl methacry...	0.447	0.449	0.470	0.485	0.592	0.417	0.477	12.81
52)	1,3-Dichloropr...	0.558	0.546	0.542	0.544	0.668	0.521	0.563	9.41
53) M	Dibromochlorom...	0.346	0.351	0.362	0.376	0.468	0.328	0.372	13.38
54) M	1,2-Dibromoethane	0.342	0.334	0.339	0.349	0.426	0.326	0.353	10.43
55) M	2-Chloroethyl ...	0.226	0.232	0.250	0.248	0.267	0.243	0.244	5.92
56) M	Bromoform	0.198	0.219	0.240	0.252	0.318	0.194	0.237	19.32

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N020924W.M

57) I	Chlorobenzene-d5	-----ISTD-----							
58) M	4-Methyl-2-Pen...	0.391	0.380	0.375	0.377	0.443	0.370	0.389	7.02
59) M	2-Hexanone	0.270	0.275	0.282	0.286	0.340	0.264	0.286	9.61
60) S	4-Bromofluorob...	0.438	0.467	0.458	0.454	0.480	0.454	0.459	3.05
61) M	Tetrachloroethene	0.350	0.346	0.327	0.323	0.390	0.319	0.343	7.68
62) M	Toluene	1.663	1.633	1.556	1.562	1.902	1.543	1.643	8.25
63) S	Toluene-d8	1.365	1.362	1.329	1.313	1.331	1.377	1.346	1.88
64) M	Chlorobenzene	0.995	1.000	0.964	0.970	1.178	0.932	1.006	8.67
65) M	1,1,1,2-Tetrac...	0.357	0.371	0.366	0.370	0.446	0.330	0.373	10.40
66) M	Ethyl Benzene	1.590	1.736	1.665	1.707	2.077	1.593	1.728	10.47
67) M	m/p-Xylenes	0.628	0.691	0.658	0.669	0.818	0.607	0.679	11.00
68) M	o-Xylene	0.620	0.657	0.642	0.656	0.809	0.607	0.665	11.00
69) M	Styrene	0.963	1.084	1.070	1.109	1.385	0.956	1.095	14.27
70) M	Isopropylbenzene	1.481	1.634	1.550	1.612	1.960	1.487	1.621	10.96
71) M	1,1,2,2-Tetrac...	0.516	0.491	0.479	0.472	0.561	0.480	0.500	6.73
72) M	1,2,3-Trichlor...	0.394	0.373	0.424	0.361	0.432	0.363	0.391	7.89
73) M	Bromobenzene	0.348	0.409	0.395	0.398	0.487	0.381	0.403	11.44
74) M	n-propylbenzene	1.670	1.846	1.777	1.846	2.259	1.653	1.842	11.98
75) M	2-Chlorotoluene	1.070	1.165	1.089	1.120	1.363	1.052	1.143	10.05
76) M	1,3,5-Trimethy...	1.196	1.337	1.295	1.328	1.634	1.166	1.326	12.56
77) M	t-1,4-Dichloro...	0.118	0.140	0.149	0.164	0.200	0.117	0.148	21.09
78) M	4-Chlorotoluene	1.039	1.164	1.095	1.124	1.389	1.061	1.145	11.14
79) M	tert-butylbenzene	0.955	1.133	1.067	1.107	1.348	0.995	1.101	12.58
80) M	1,2,4-Trimethy...	1.162	1.333	1.295	1.333	1.637	1.168	1.321	13.08
81) M	sec-Butylbenzene	1.358	1.565	1.479	1.541	1.919	1.386	1.541	13.14
82) M	p-Isopropyltol...	1.122	1.285	1.254	1.320	1.657	1.127	1.294	15.13
83) M	1,3-Dichlorobe...	0.653	0.748	0.699	0.722	0.892	0.634	0.725	12.75
84) M	1,4-Dichlorobe...	0.663	0.745	0.708	0.720	0.885	0.645	0.728	11.72
85) M	n-Butylbenzene	0.863	1.060	1.033	1.111	1.432	0.909	1.068	18.88
86) T	Hexachloroethane	0.170	0.201	0.196	0.212	0.270	0.176	0.204	17.65
87) M	1,2-Dichlorobe...	0.680	0.694	0.680	0.692	0.836	0.653	0.706	9.26
88) M	1,2-Dibromo-3-...	0.085	0.082	0.091	0.090	0.109	0.084	0.090	10.67
89) M	1,2,4-Trichlor...	0.286	0.351	0.345	0.352	0.428	0.310	0.345	13.97
90) M	Hexachlorobuta...	0.143	0.151	0.144	0.147	0.183	0.141	0.151	10.44
91) M	Naphthalene	1.019	1.202	1.245	1.297	1.527	1.065	1.226	14.84
92) M	1,2,3-Trichlor...	0.286	0.351	0.345	0.352	0.428	0.310	0.345	13.97

(#) = Out of Range