

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X010824W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue Jan 09 06:15:26 2024
 Response Via : Initial Calibration

Calibration Files

5 =VX039664.D 20 =VX039666.D 50 =VX039667.D 100 =VX039668.D 150 =VX039669.D 10 =VX039665.D

Compound		5	20	50	100	150	10	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----							
2) M	Dichlorodifluo...	5.299	5.054	5.197	5.066	4.924	4.870	5.068	3.19
3) M	Chloromethane	6.281	5.680	5.587	5.486	5.374	5.378	5.631	6.04
4) M	Vinyl Chloride	6.435	5.181	5.562	5.461	5.338	4.998	5.496	9.14
5) M	Bromomethane	3.253	2.540	2.482	2.470	2.435	2.578	2.626	11.86
6) M	Chloroethane	2.228	3.003	2.614	2.163	2.057	2.944	2.501	16.45
7) M	Trichlorofluor...	8.994	7.609	7.774	7.683	7.411	7.089	7.760	8.40
8) T	Diethyl Ether	3.419	2.823	2.854	2.830	2.804	2.691	2.904	8.92
9)	1,1,2-Trichlor...	5.554	4.641	4.767	4.634	4.501	4.421	4.753	8.63
10) M	1,1-Dichloroet...	5.222	4.566	4.536	4.497	4.386	4.119	4.554	8.02
11)	Methyl Iodide	4.435	4.872	5.553	5.591	5.578	3.915	4.991	14.17
12)	Methyl Acetate	8.437	7.231	7.292	7.103	6.958	6.987	7.335	7.57
13) M	Acrolein	1.717	0.954	1.021	1.001	0.975	0.900	1.094	28.11
14) M	Acrylonitrile	3.812	3.362	3.391	3.237	3.187	3.193	3.364	7.01
15) M	Acetone	1.255	1.038	1.063	1.016	0.967	1.025	1.061	9.46
16) M	Carbon Disulfide	1.320	1.204	1.249	1.259	1.237	1.099	1.228	E1 6.01
17)	Allyl chloride	1.000	0.879	0.917	0.912	0.901	0.779	0.898	E1 7.95
18) M	Methylene Chlo...	5.922	5.327	5.358	5.277	5.148	4.912	5.324	6.30
19) M	trans-1,2-Dich...	5.573	4.836	4.781	4.694	4.577	4.534	4.833	7.87
20) T	Diisopropyl ether	1.989	1.730	1.744	1.727	1.699	1.628	1.753	E1 7.02
21) M	1,1-Dichloroet...	1.122	0.969	0.982	0.958	0.943	0.899	0.979	E1 7.73
22) M	cis-1,2-Dichlo...	6.518	5.577	5.654	5.585	5.463	5.096	5.649	8.32
23) M	tert-Butyl Alc...	1.383	1.655	1.631	1.583	1.569	1.633	1.576	6.33
24) M	Methyl tert-Bu...	1.889	1.653	1.670	1.648	1.646	1.509	1.669	E1 7.35
25) M	Chloroform	1.076	0.951	0.960	0.956	0.945	0.876	0.961	E1 6.72
26)	Cyclohexane	9.875	8.367	8.522	8.287	8.093	7.800	8.491	8.51
27) s	1,2-Dichloroet...	4.494	4.760	4.798	4.591	4.780	4.796	4.703	2.74
28) I	1,4-Difluorobenzene	-----ISTD-----							
29)	1,1-Dichloropr...	0.985	0.817	0.845	0.897	0.848	0.773	0.861	8.49
30) M	2-Butanone	0.703	0.590	0.610	0.628	0.598	0.575	0.617	7.40
31)	2,2-Dichloropr...	1.022	0.892	0.958	1.022	0.995	0.853	0.957	7.37
32) M	1,1,1-Trichlor...	1.087	0.928	0.997	1.067	1.018	0.873	0.995	8.25
33) M	Carbon Tetrach...	0.816	0.724	0.798	0.864	0.841	0.662	0.784	9.75
34) M	Benzene	2.998	2.409	2.504	2.610	2.460	2.343	2.554	9.22
35)	Methacrylonitrile	0.667	0.561	0.588	0.622	0.607	0.519	0.594	8.59
36) M	1,2-Dichloroet...	1.150	0.920	0.976	1.045	1.011	0.907	1.001	8.97
37) M	Trichloroethene	0.694	0.570	0.598	0.629	0.592	0.557	0.607	8.18
38)	Methylcyclohexane	1.218	0.996	1.038	1.086	1.029	0.954	1.053	8.74
39) M	1,2-Dichloropr...	0.840	0.636	0.664	0.704	0.666	0.619	0.688	11.57
40)	Dibromomethane	0.514	0.432	0.461	0.490	0.473	0.418	0.465	7.69
41) M	Bromodichlorom...	0.929	0.794	0.873	0.942	0.912	0.720	0.861	10.16
42) M	Vinyl Acetate	2.260	1.948	2.041	2.140	2.023	1.838	2.042	7.19
43)	Ethyl Acetate	1.259	1.126	1.135	1.186	1.163	1.075	1.157	5.37
44)	Isopropyl Acetate	1.952	1.676	1.767	1.907	1.853	1.582	1.789	7.93
45) T	1,4-Dioxane	0.019	0.016	0.017	0.017	0.017	0.017	0.017	5.24
46)	Methyl methacr...	0.918	0.823	0.858	0.920	0.885	0.752	0.859	7.44
47)	n-amyl Acetate	1.555	1.484	1.621	1.747	1.674	1.295	1.563	10.21
48) M	t-1,3-Dichloro...	0.904	0.843	0.952	1.058	1.040	0.766	0.927	12.23
49) T	cis-1,3-Dichlo...	1.041	0.940	1.038	1.125	1.077	0.871	1.015	9.18
50) M	1,1,2-Trichlor...	0.737	0.608	0.620	0.657	0.626	0.575	0.637	8.76
51)	Ethyl methacry...	1.125	1.010	1.090	1.149	1.103	0.910	1.064	8.39
52)	1,3-Dichloropr...	1.278	1.026	1.086	1.134	1.073	1.000	1.100	9.02
53) M	Dibromochlorom...	0.598	0.547	0.614	0.664	0.648	0.486	0.593	11.22
54) M	1,2-Dibromoethane	0.733	0.629	0.669	0.698	0.672	0.606	0.668	6.86
55) M	2-Chloroethyl ...	0.591	0.487	0.521	0.532	0.504	0.472	0.518	8.12
56) M	Bromoform	0.371	0.359	0.425	0.469	0.462	0.310	0.399	15.75

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		-----ISTD-----							
57) I	Chlorobenzene-d5								
58) M	4-Methyl-2-Pen...	1.125	0.977	0.962	0.984	0.949	0.923	0.987	7.20
59) M	2-Hexanone	0.936	0.787	0.781	0.795	0.764	0.731	0.799	8.86
60) S	4-Bromofluorob...	0.635	0.666	0.662	0.683	0.691	0.634	0.662	3.56
61) M	Tetrachloroethene	0.488	0.377	0.382	0.395	0.383	0.360	0.397	11.49
62) M	Toluene	2.628	2.164	2.160	2.234	2.159	1.999	2.224	9.55
63) S	Toluene-d8	1.253	1.227	1.202	1.222	1.234	1.262	1.233	1.76
64) M	Chlorobenzene	1.507	1.258	1.268	1.319	1.277	1.129	1.293	9.50
65)	1,1,1,2-Tetrac...	0.510	0.439	0.457	0.490	0.482	0.379	0.460	10.13
66) M	Ethyl Benzene	2.773	2.374	2.415	2.523	2.437	2.131	2.442	8.55
67) M	m/p-Xylenes	1.015	0.884	0.892	0.909	0.865	0.787	0.892	8.26
68) M	o-Xylene	1.052	0.872	0.877	0.896	0.867	0.809	0.896	9.16
69) M	Styrene	1.547	1.404	1.450	1.511	1.456	1.221	1.432	8.02
70)	Isopropylbenzene	2.708	2.300	2.338	2.416	2.309	2.112	2.364	8.30
71) M	1,1,2,2-Tetrac...	1.046	0.880	0.882	0.933	0.911	0.795	0.908	9.05
72)	1,2,3-Trichlor...	0.846	0.735	0.765	0.791	0.742	0.677	0.759	7.49
73)	Bromobenzene	0.630	0.505	0.506	0.526	0.510	0.455	0.522	11.08
74)	n-propylbenzene	3.064	2.726	2.855	2.989	2.883	2.393	2.818	8.46
75)	2-Chlorotoluene	1.989	1.704	1.740	1.783	1.706	1.584	1.751	7.65
76)	1,3,5-Trimethy...	2.280	1.976	2.021	2.066	1.981	1.793	2.019	7.82
77)	t-1,4-Dichloro...	0.212	0.224	0.261	0.305	0.317	0.176	0.249	22.24
78)	4-Chlorotoluene	2.165	1.889	1.943	2.039	1.954	1.662	1.942	8.64
79)	tert-butylbenzene	2.120	1.892	1.920	1.983	1.897	1.669	1.913	7.68
80)	1,2,4-Trimethy...	2.214	1.955	2.013	2.096	2.005	1.742	2.004	7.84
81)	sec-Butylbenzene	2.654	2.394	2.496	2.588	2.500	2.121	2.459	7.63
82)	p-Isopropyltol...	2.109	1.881	1.988	2.092	2.006	1.666	1.957	8.39
83) M	1,3-Dichlorobe...	1.090	0.941	0.963	1.016	0.996	0.846	0.975	8.35
84) M	1,4-Dichlorobe...	1.081	0.921	0.964	1.018	0.994	0.828	0.967	8.98
85)	n-Butylbenzene	1.802	1.680	1.860	2.023	1.993	1.388	1.791	13.09
86) T	Hexachloroethane	0.330	0.301	0.347	0.385	0.391	0.255	0.335	15.45
87) M	1,2-Dichlorobe...	1.157	0.955	0.954	0.989	0.957	0.853	0.977	10.17
88)	1,2-Dibromo-3-...	0.225	0.197	0.222	0.244	0.249	0.168	0.217	13.93
89)	1,2,4-Trichlor...	0.573	0.512	0.552	0.615	0.619	0.435	0.551	12.64
90)	Hexachlorobuta...	0.281	0.228	0.234	0.251	0.250	0.204	0.241	10.64
91) M	Naphthalene	2.174	2.060	2.188	2.376	2.359	1.744	2.150	10.80
92)	1,2,3-Trichlor...	0.609	0.537	0.573	0.618	0.615	0.472	0.571	10.10

(#) = Out of Range