

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X021822W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Feb 18 05:14:00 2022
 Response Via : Initial Calibration

Calibration Files

5 =VX027092.D 20 =VX027093.D 50 =VX027094.D 100 =VX027095.D 150 =VX027096.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.554	1.826	1.744	1.721	1.767	1.722	5.92
3) M	Chloromethane	1.553	1.726	1.650	1.596	1.656	1.636	4.01
4) M	Vinyl Chloride	1.541	1.667	1.660	1.604	1.689	1.632	3.66
5) M	Bromomethane	0.918	1.015	0.762	0.632	0.659	0.797	20.76
6) M	Chloroethane	0.957	1.029	0.975	0.934	0.975	0.974	3.59
7) M	Trichlorofluorom...	2.431	2.601	2.557	2.499	2.633	2.544	3.18
8) T	Diethyl Ether	0.932	0.927	0.914	0.881	0.920	0.915	2.17
9)	1,1,2-Trichlorot...	1.719	1.820	1.757	1.743	1.818	1.772	2.56
10) M	1,1-Dichloroethene	1.623	1.798	1.743	1.735	1.800	1.740	4.12
11)	Methyl Iodide	1.704	2.235	2.481	2.471	2.606	2.300	15.60
12)	Methyl Acetate	2.615	2.655	2.573	2.452	2.536	2.566	3.03
13) M	Acrolein	0.464	0.358	0.415	0.414	0.441	0.418	9.49
14) M	Acrylonitrile	1.116	1.182	1.140	1.080	1.101	1.124	3.48
15) M	Acetone	0.297	0.323	0.307	0.288	0.293	0.302	4.49
16) M	Carbon Disulfide	4.128	4.585	4.632	4.619	4.833	4.559	5.70
17)	Allyl chloride	2.946	3.142	3.127	3.131	3.273	3.124	3.73
18) M	Methylene Chloride	2.000	2.020	1.949	1.882	1.957	1.962	2.72
19) M	trans-1,2-Dichlo...	1.899	1.924	1.878	1.856	1.927	1.897	1.60
20) T	Diisopropyl ether	6.147	6.441	6.206	5.942	6.155	6.178	2.89
21) M	1,1-Dichloroethane	3.317	3.526	3.465	3.373	3.515	3.439	2.65
22) M	cis-1,2-Dichloro...	2.129	2.229	2.174	2.145	2.232	2.182	2.16
23) M	tert-Butyl Alcohol	0.426	0.451	0.442	0.427	0.454	0.440	3.06
24) M	Methyl tert-Buty...	6.019	6.237	6.083	5.938	6.277	6.111	2.35
25) M	Chloroform	3.592	3.632	3.471	3.414	3.520	3.526	2.51
26)	Cyclohexane	3.036	3.289	3.209	3.142	3.269	3.189	3.22
27) s	1,2-Dichloroetha...	2.202	2.153	2.163	2.161	2.167	2.169	0.88
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.461	0.493	0.479	0.477	0.473	0.477	2.41
30) M	2-Butanone	0.282	0.305	0.294	0.277	0.273	0.286	4.59
31)	2,2-Dichloropropane	0.397	0.416	0.420	0.430	0.436	0.420	3.60
32) M	1,1,1-Trichloroe...	0.546	0.576	0.570	0.566	0.568	0.565	2.03
33) M	Carbon Tetrachlo...	0.453	0.500	0.502	0.507	0.513	0.495	4.79
34) M	Benzene	1.384	1.456	1.410	1.383	1.369	1.400	2.47
35)	Methacrylonitrile	0.285	0.307	0.306	0.295	0.288	0.296	3.41
36) M	1,2-Dichloroethane	0.503	0.525	0.505	0.494	0.492	0.504	2.62
37) M	Trichloroethene	0.390	0.425	0.420	0.412	0.411	0.412	3.20
38)	Methylcyclohexane	0.554	0.607	0.592	0.594	0.590	0.587	3.41
39) M	1,2-Dichloropropane	0.344	0.367	0.355	0.349	0.349	0.353	2.49
40)	Dibromomethane	0.258	0.261	0.250	0.248	0.247	0.253	2.42
41) M	Bromodichloromet...	0.448	0.487	0.487	0.481	0.482	0.477	3.47
42) M	Vinyl Acetate	0.915	1.016	0.998	0.970	0.960	0.972	4.01
43)	Ethyl Acetate	0.521	0.583	0.556	0.539	0.538	0.547	4.30
44)	Isopropyl Acetate	0.800	0.874	0.860	0.849	0.851	0.846	3.32
45) T	1,4-Dioxane	0.008	0.009	0.009	0.008	0.009	0.009	4.33
46)	Methyl methacrylate	0.385	0.432	0.430	0.414	0.413	0.415	4.50
47)	n-amyl Acetate	0.602	0.692	0.666	0.693	0.707	0.672	6.26
48) M	t-1,3-Dichloropr...	0.392	0.466	0.494	0.504	0.516	0.475	10.45
49) T	cis-1,3-Dichloro...	0.460	0.545	0.554	0.564	0.564	0.538	8.18
50) M	1,1,2-Trichloroe...	0.345	0.377	0.344	0.340	0.336	0.348	4.64
51)	Ethyl methacrylate	0.511	0.580	0.565	0.554	0.561	0.554	4.68
52)	1,3-Dichloropropane	0.607	0.629	0.594	0.580	0.570	0.596	3.88
53) M	Dibromochloromet...	0.323	0.366	0.369	0.370	0.377	0.361	6.05
54) M	1,2-Dibromoethane	0.367	0.383	0.373	0.368	0.365	0.371	1.92
55) M	2-Chloroethyl vi...	0.276	0.248	0.282	0.277	0.269	0.270	4.91
56) M	Bromoform	0.209	0.247	0.252	0.266	0.283	0.251	10.98

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.613	0.660	0.625	0.596	0.591	0.617	4.48
59) M	2-Hexanone	0.461	0.499	0.474	0.454	0.455	0.469	4.03
60) S	4-Bromofluoroben...	0.476	0.490	0.482	0.489	0.503	0.488	2.09
61) M	Tetrachloroethene	0.477	0.516	0.491	0.476	0.461	0.484	4.28
62) M	Toluene	1.692	1.786	1.710	1.656	1.651	1.699	3.21
63) S	Toluene-d8	1.358	1.363	1.357	1.324	1.324	1.345	1.47
64) M	Chlorobenzene	1.051	1.082	1.047	1.036	1.042	1.052	1.69
65)	1,1,1,2-Tetrachl...	0.365	0.392	0.398	0.391	0.401	0.389	3.66
66) M	Ethyl Benzene	1.773	1.958	1.904	1.863	1.856	1.871	3.64
67) M	m/p-Xylenes	0.695	0.759	0.728	0.714	0.717	0.723	3.23
68) M	o-Xylene	0.681	0.744	0.716	0.701	0.707	0.710	3.24
69) M	Styrene	1.070	1.221	1.197	1.186	1.203	1.175	5.13
70)	Isopropylbenzene	1.756	1.942	1.848	1.821	1.834	1.840	3.64
71) M	1,1,2,2-Tetrachl...	0.538	0.573	0.529	0.522	0.547	0.542	3.71
72)	1,2,3-Trichlorop...	0.544	0.564	0.539	0.525	0.531	0.541	2.80
73)	Bromobenzene	0.423	0.473	0.443	0.452	0.463	0.451	4.22
74)	n-propylbenzene	1.921	2.176	2.120	2.130	2.167	2.103	4.96
75)	2-Chlorotoluene	1.291	1.360	1.277	1.275	1.304	1.301	2.67
76)	1,3,5-Trimethylb...	1.431	1.613	1.542	1.542	1.571	1.540	4.40
77)	t-1,4-Dichloro-2...	0.112	0.150	0.164	0.171	0.187	0.157	18.04
78)	4-Chlorotoluene	1.381	1.522	1.438	1.450	1.481	1.454	3.58
79)	tert-butylbenzene	1.402	1.493	1.469	1.475	1.514	1.470	2.87
80)	1,2,4-Trimethylb...	1.429	1.610	1.533	1.539	1.577	1.537	4.44
81)	sec-Butylbenzene	1.712	1.960	1.877	1.908	1.958	1.883	5.41
82)	p-Isopropyltoluene	1.397	1.637	1.585	1.631	1.662	1.582	6.77
83) M	1,3-Dichlorobenzene	0.787	0.861	0.822	0.847	0.872	0.838	4.07
84) M	1,4-Dichlorobenzene	0.798	0.868	0.816	0.844	0.878	0.841	4.01
85)	n-Butylbenzene	1.099	1.325	1.321	1.390	1.434	1.314	9.80
86) T	Hexachloroethane	0.203	0.244	0.254	0.268	0.287	0.251	12.55
87) M	1,2-Dichlorobenzene	0.760	0.859	0.803	0.813	0.831	0.813	4.50
88)	1,2-Dibromo-3-Ch...	0.108	0.133	0.135	0.138	0.148	0.133	11.16
89)	1,2,4-Trichlorob...	0.439	0.511	0.505	0.540	0.564	0.512	9.22
90)	Hexachlorobutadiene	0.200	0.214	0.207	0.222	0.228	0.214	5.13
91) M	Naphthalene	1.488	1.837	1.835	1.875	1.964	1.800	10.11
92)	1,2,3-Trichlorob...	0.451	0.518	0.520	0.533	0.568	0.518	8.16

(#) = Out of Range