

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X011625W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Jan 17 01:21:41 2025
 Response Via : Initial Calibration

Calibration Files

5 =VX044659.D 20 =VX044660.D 50 =VX044661.D 100 =VX044662.D 150 =VX044663.D

	Compound	5	20	50	100	150	Avg	%RSD
1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	2.532	2.647	2.555	2.990	2.611	2.667	6.98
3) M	Chloromethane	2.821	2.891	2.775	2.910	2.632	2.806	3.97
4) M	Vinyl Chloride	2.718	2.750	2.650	2.953	2.656	2.745	4.49
5) M	Bromomethane	0.720	0.648	0.619	0.683	0.647	0.663	5.89
6) M	Chloroethane	0.337	0.431	0.443	0.506	0.459	0.435	14.18
7) M	Trichlorofluorom...	3.012	2.966	2.841	3.281	2.932	3.006	5.52
8) T	Diethyl Ether	1.186	1.152	1.114	1.214	1.133	1.160	3.48
9)	1,1,2-Trichlorot...	2.135	2.090	2.010	2.424	2.111	2.154	7.34
10) M	1,1-Dichloroethene	2.310	2.167	2.109	2.359	2.134	2.216	5.05
11)	Methyl Iodide	3.030	3.123	3.066	3.170	2.965	3.071	2.60
12)	Methyl Acetate	3.129	3.141	3.211	3.540	3.155	3.235	5.35
13) M	Acrolein	0.481	0.295	0.325	0.353	0.335	0.358	20.13
14) M	Acrylonitrile	1.225	1.195	1.163	1.234	1.078	1.179	5.35
15) M	Acetone	0.336	0.311	0.307	0.335	0.292	0.316	6.01
16) M	Carbon Disulfide	6.007	6.100	6.013	6.600	6.072	6.158	4.06
17)	Allyl chloride	3.852	4.047	3.933	4.277	3.871	3.996	4.37
18) M	Methylene Chloride	2.516	2.531	2.426	2.551	2.375	2.480	3.05
19) M	trans-1,2-Dichlo...	2.273	2.202	2.143	2.306	2.094	2.203	4.00
20) T	Diisopropyl ether	7.531	7.477	7.136	7.411	6.711	7.253	4.68
21) M	1,1-Dichloroethane	4.238	4.335	4.228	4.546	4.166	4.303	3.46
22) M	cis-1,2-Dichloro...	2.682	2.813	2.656	2.863	2.622	2.727	3.84
23) M	tert-Butyl Alcohol	0.665	0.584	0.542	0.568	0.492	0.570	11.14
24) M	Methyl tert-Buty...	7.881	7.826	7.445	7.974	7.263	7.678	4.00
25) M	Chloroform	4.285	4.354	4.180	4.469	4.089	4.275	3.46
26)	Cyclohexane	3.790	3.587	3.386	3.928	3.390	3.616	6.66
27) s	1,2-Dichloroetha...	2.935	2.867	2.905	2.916	2.857	2.896	1.14
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.533	0.520	0.505	0.550	0.501	0.522	3.88
30) M	2-Butanone	0.302	0.295	0.285	0.292	0.260	0.287	5.57
31)	2,2-Dichloropropane	0.766	0.729	0.693	0.741	0.681	0.722	4.84
32) M	1,1,1-Trichloroe...	0.729	0.702	0.665	0.708	0.654	0.692	4.54
33) M	Carbon Tetrachlo...	0.616	0.587	0.558	0.605	0.551	0.583	4.83
34) M	Benzene	1.720	1.726	1.635	1.681	1.562	1.665	4.09
35)	Methacrylonitrile	0.329	0.324	0.317	0.333	0.299	0.320	4.15
36) M	1,2-Dichloroethane	0.610	0.616	0.579	0.607	0.563	0.595	3.81
37) M	Trichloroethene	0.394	0.405	0.394	0.424	0.393	0.402	3.29
38)	Methylcyclohexane	0.728	0.692	0.669	0.776	0.680	0.709	6.16
39) M	1,2-Dichloropropane	0.416	0.428	0.415	0.423	0.394	0.415	3.17
40)	Dibromomethane	0.319	0.314	0.302	0.313	0.295	0.309	3.22
41) M	Bromodichloromet...	0.667	0.655	0.628	0.638	0.598	0.637	4.14
42) M	Vinyl Acetate	1.208	1.187	1.120	1.142	1.035	1.138	5.94
43)	Ethyl Acetate	0.539	0.592	0.552	0.593	0.535	0.562	5.11
44)	Isopropyl Acetate	1.016	1.043	1.000	1.033	0.959	1.010	3.26
45) T	1,4-Dioxane	0.011	0.010	0.010	0.009	0.008	0.010	9.48
46)	Methyl methacrylate	0.506	0.509	0.495	0.501	0.462	0.494	3.83
47)	n-amyl Acetate	0.883	0.902	0.847	0.840	0.767	0.848	6.11
48) M	t-1,3-Dichloropr...	0.673	0.696	0.675	0.685	0.635	0.673	3.38
49) T	cis-1,3-Dichloro...	0.737	0.748	0.719	0.731	0.671	0.721	4.16
50) M	1,1,2-Trichloroe...	0.425	0.419	0.398	0.391	0.355	0.397	6.96
51)	Ethyl methacrylate	0.711	0.720	0.704	0.688	0.630	0.691	5.22
52)	1,3-Dichloropropane	0.737	0.718	0.678	0.680	0.624	0.687	6.35
53) M	Dibromochloromet...	0.507	0.503	0.469	0.468	0.428	0.475	6.76
54) M	1,2-Dibromoethane	0.449	0.440	0.417	0.414	0.380	0.420	6.44
55) M	2-Chloroethyl vi...	0.376	0.351	0.338	0.309	0.302	0.335	9.10
56) M	Bromoform	0.340	0.324	0.314	0.310	0.287	0.315	6.19

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57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Penta...	0.685	0.649	0.618	0.638	0.572	0.632	6.60
59) M	2-Hexanone	0.503	0.474	0.451	0.470	0.417	0.463	6.86
60) S	4-Bromofluoroben...	0.579	0.578	0.588	0.586	0.582	0.583	0.75
61) M	Tetrachloroethene	0.365	0.350	0.349	0.387	0.348	0.360	4.71
62) M	Toluene	2.097	1.972	1.935	2.023	1.850	1.975	4.69
63) S	Toluene-d8	1.674	1.620	1.622	1.634	1.609	1.632	1.53
64) M	Chlorobenzene	1.275	1.230	1.215	1.256	1.157	1.227	3.70
65)	1,1,1,2-Tetrachl...	0.460	0.445	0.433	0.449	0.417	0.441	3.68
66) M	Ethyl Benzene	2.213	2.181	2.126	2.228	2.031	2.156	3.71
67) M	m/p-Xylenes	0.838	0.817	0.780	0.808	0.719	0.792	5.82
68) M	o-Xylene	0.841	0.823	0.787	0.800	0.726	0.795	5.53
69) M	Styrene	1.363	1.358	1.291	1.322	1.196	1.306	5.19
70)	Isopropylbenzene	2.139	2.047	1.942	2.041	1.828	1.999	5.92
71) M	1,1,2,2-Tetrachl...	0.749	0.684	0.650	0.671	0.607	0.672	7.74
72)	1,2,3-Trichlorop...	0.594	0.582	0.560	0.574	0.518	0.565	5.19
73)	Bromobenzene	0.488	0.476	0.458	0.470	0.437	0.466	4.16
74)	n-propylbenzene	2.310	2.311	2.237	2.371	2.126	2.271	4.13
75)	2-Chlorotoluene	1.514	1.469	1.400	1.437	1.318	1.428	5.22
76)	1,3,5-Trimethylb...	1.743	1.677	1.602	1.640	1.457	1.624	6.59
77)	t-1,4-Dichloro-2...	0.283	0.267	0.259	0.278	0.251	0.268	4.92
78)	4-Chlorotoluene	1.655	1.609	1.552	1.602	1.448	1.573	5.03
79)	tert-butylbenzene	1.815	1.730	1.625	1.675	1.496	1.668	7.17
80)	1,2,4-Trimethylb...	1.748	1.689	1.602	1.660	1.492	1.638	5.93
81)	sec-Butylbenzene	2.100	2.035	1.947	2.048	1.830	1.992	5.33
82)	p-Isopropyltoluene	1.701	1.683	1.602	1.690	1.520	1.639	4.71
83) M	1,3-Dichlorobenzene	0.829	0.841	0.819	0.858	0.789	0.827	3.13
84) M	1,4-Dichlorobenzene	0.809	0.833	0.797	0.841	0.775	0.811	3.30
85)	n-Butylbenzene	1.363	1.419	1.407	1.536	1.379	1.421	4.80
86) T	Hexachloroethane	0.395	0.360	0.346	0.367	0.335	0.361	6.39
87) M	1,2-Dichlorobenzene	0.873	0.852	0.816	0.836	0.754	0.826	5.51
88)	1,2-Dibromo-3-Ch...	0.185	0.159	0.153	0.163	0.150	0.162	8.44
89)	1,2,4-Trichlorob...	0.477	0.496	0.506	0.562	0.526	0.513	6.33
90)	Hexachlorobutadiene	0.202	0.199	0.190	0.207	0.194	0.199	3.36
91) M	Naphthalene	1.885	1.938	1.905	2.019	1.857	1.921	3.24
92)	1,2,3-Trichlorob...	0.492	0.526	0.518	0.554	0.522	0.522	4.29

(#) = Out of Range