

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X022125W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Sat Feb 22 01:06:36 2025
 Response Via : Initial Calibration

Calibration Files

5 =VX045008.D 20 =VX045009.D 50 =VX045010.D 100 =VX045011.D 150 =VX045012.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	2.499	2.478	2.571	2.428	2.669	2.529	3.70
3) M	Chloromethane	3.021	2.986	3.118	2.875	3.145	3.029	3.58
4) M	Vinyl Chloride	2.916	2.831	2.918	2.825	3.124	2.923	4.14
5) M	Bromomethane	1.116	0.976	0.995	0.944	1.056	1.017	6.74
6) M	Chloroethane	1.821	1.663	1.752	1.466	1.212	1.583	15.57
7) M	Trichlorofluorom...	3.982	3.712	3.968	3.809	4.170	3.928	4.48
8) T	Diethyl Ether	1.506	1.429	1.478	1.436	1.582	1.486	4.17
9)	1,1,2-Trichlorot...	2.377	2.192	2.362	2.241	2.493	2.333	5.11
10) M	1,1-Dichloroethene	2.200	2.142	2.300	2.262	2.491	2.279	5.83
11)	Methyl Iodide	1.920	2.177	2.788	2.801	3.210	2.579	20.21
12)	Methyl Acetate	2.518	2.471	2.689	2.611	2.942	2.646	7.02
13) M	Acrolein	0.504	0.473	0.527	0.540	0.608	0.530	9.46
14) M	Acrylonitrile	1.204	1.243	1.348	1.284	1.384	1.293	5.70
15) M	Acetone	0.371	0.352	0.354	0.338	0.358	0.355	3.40
16) M	Carbon Disulfide	6.269	5.990	6.491	6.437	7.134	6.464	6.53
17)	Allyl chloride	4.066	3.950	4.321	4.259	4.716	4.262	6.89
18) M	Methylene Chloride	2.462	2.482	2.619	2.509	2.745	2.563	4.61
19) M	trans-1,2-Dichlo...	2.232	2.191	2.345	2.260	2.501	2.306	5.33
20) T	Diisopropyl ether	7.764	7.784	8.372	8.138	8.897	8.191	5.73
21) M	1,1-Dichloroethane	4.525	4.343	4.508	4.473	4.929	4.555	4.84
22) M	cis-1,2-Dichloro...	2.740	2.632	2.729	2.716	2.997	2.763	4.98
23) M	tert-Butyl Alcohol	0.440	0.425	0.475	0.435	0.481	0.451	5.63
24) M	Methyl tert-Buty...	7.103	7.021	7.516	7.382	8.169	7.438	6.13
25) M	Chloroform	4.272	4.258	4.406	4.293	4.771	4.400	4.90
26)	Cyclohexane	4.050	4.037	4.272	4.100	4.564	4.205	5.28
27) s	1,2-Dichloroetha...	2.881	2.881	2.843	2.920	3.044	2.914	2.67
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.555	0.537	0.563	0.532	0.572	0.552	3.11
30) M	2-Butanone	0.320	0.310	0.333	0.308	0.323	0.319	3.25
31)	2,2-Dichloropropane	0.614	0.588	0.635	0.616	0.667	0.624	4.73
32) M	1,1,1-Trichloroe...	0.674	0.644	0.686	0.644	0.695	0.669	3.51
33) M	Carbon Tetrachlo...	0.572	0.548	0.576	0.544	0.581	0.564	3.01
34) M	Benzene	1.746	1.697	1.785	1.670	1.756	1.731	2.69
35)	Methacrylonitrile	0.307	0.333	0.367	0.341	0.357	0.341	6.80
36) M	1,2-Dichloroethane	0.598	0.581	0.600	0.577	0.607	0.592	2.20
37) M	Trichloroethene	0.407	0.400	0.412	0.390	0.415	0.405	2.47
38)	Methylcyclohexane	0.747	0.700	0.763	0.724	0.770	0.741	3.89
39) M	1,2-Dichloropropane	0.430	0.425	0.427	0.427	0.444	0.430	1.77
40)	Dibromomethane	0.318	0.301	0.311	0.298	0.315	0.309	2.87
41) M	Bromodichloromet...	0.610	0.593	0.625	0.601	0.639	0.614	2.99
42) M	Vinyl Acetate	1.136	1.190	1.304	1.244	1.311	1.237	6.06
43)	Ethyl Acetate	0.552	0.578	0.610	0.606	0.642	0.598	5.72
44)	Isopropyl Acetate	0.889	0.917	1.033	1.005	1.075	0.984	7.97
45) T	1,4-Dioxane	0.010	0.010	0.011	0.010	0.010	0.010	6.57
46)	Methyl methacrylate	0.421	0.456	0.510	0.495	0.530	0.482	9.09
47)	n-amyl Acetate	0.721	0.803	0.922	0.862	0.962	0.854	11.20
48) M	t-1,3-Dichloropr...	0.527	0.530	0.616	0.618	0.666	0.591	10.28
49) T	cis-1,3-Dichloro...	0.614	0.635	0.691	0.682	0.726	0.670	6.72
50) M	1,1,2-Trichloroe...	0.405	0.404	0.414	0.389	0.402	0.403	2.21
51)	Ethyl methacrylate	0.543	0.586	0.676	0.653	0.709	0.633	10.70
52)	1,3-Dichloropropane	0.703	0.704	0.724	0.678	0.719	0.706	2.53
53) M	Dibromochloromet...	0.427	0.436	0.457	0.440	0.468	0.445	3.76
54) M	1,2-Dibromoethane	0.397	0.401	0.423	0.397	0.427	0.409	3.59
55) M	2-Chloroethyl vi...	0.301	0.314	0.339	0.326	0.346	0.325	5.64
56) M	Bromoform	0.251	0.258	0.298	0.281	0.308	0.279	8.85

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.633	0.680	0.731	0.668	0.701	0.682	5.37
59) M	2-Hexanone	0.446	0.488	0.535	0.482	0.516	0.493	6.96
60) S	4-Bromofluoroben...	0.539	0.560	0.565	0.563	0.578	0.561	2.47
61) M	Tetrachloroethene	0.389	0.368	0.367	0.356	0.367	0.369	3.28
62) M	Toluene	2.015	1.952	1.995	1.956	2.019	1.987	1.61
63) S	Toluene-d8	1.652	1.669	1.650	1.677	1.651	1.660	0.75
64) M	Chlorobenzene	1.223	1.214	1.244	1.220	1.257	1.231	1.49
65)	1,1,1,2-Tetrachl...	0.401	0.394	0.408	0.399	0.429	0.406	3.32
66) M	Ethyl Benzene	2.094	2.100	2.220	2.178	2.286	2.176	3.74
67) M	m/p-Xylenes	0.785	0.816	0.823	0.799	0.831	0.811	2.32
68) M	o-Xylene	0.767	0.798	0.813	0.783	0.816	0.795	2.58
69) M	Styrene	1.259	1.318	1.363	1.316	1.386	1.328	3.67
70)	Isopropylbenzene	1.981	2.041	2.089	2.026	2.126	2.053	2.74
71) M	1,1,2,2-Tetrachl...	0.665	0.664	0.703	0.647	0.695	0.675	3.44
72)	1,2,3-Trichlorop...	0.539	0.540	0.583	0.540	0.574	0.555	3.90
73)	Bromobenzene	0.462	0.467	0.485	0.463	0.486	0.473	2.52
74)	n-propylbenzene	2.281	2.387	2.539	2.437	2.569	2.443	4.78
75)	2-Chlorotoluene	1.465	1.468	1.503	1.431	1.516	1.477	2.27
76)	1,3,5-Trimethylb...	1.638	1.691	1.750	1.654	1.733	1.693	2.85
77)	t-1,4-Dichloro-2...	0.133	0.160	0.199	0.203	0.239	0.187	22.02
78)	4-Chlorotoluene	1.580	1.618	1.686	1.623	1.723	1.646	3.50
79)	tert-butylbenzene	1.628	1.703	1.779	1.667	1.753	1.706	3.61
80)	1,2,4-Trimethylb...	1.616	1.705	1.768	1.653	1.739	1.696	3.65
81)	sec-Butylbenzene	2.056	2.118	2.210	2.094	2.228	2.141	3.49
82)	p-Isopropyltoluene	1.614	1.709	1.811	1.733	1.808	1.735	4.67
83) M	1,3-Dichlorobenzene	0.855	0.874	0.905	0.852	0.910	0.879	3.12
84) M	1,4-Dichlorobenzene	0.824	0.854	0.910	0.848	0.897	0.867	4.12
85)	n-Butylbenzene	1.376	1.512	1.675	1.618	1.740	1.584	9.04
86) T	Hexachloroethane	0.264	0.282	0.322	0.314	0.349	0.306	10.94
87) M	1,2-Dichlorobenzene	0.863	0.868	0.894	0.815	0.872	0.863	3.36
88)	1,2-Dibromo-3-Ch...	0.126	0.121	0.133	0.129	0.145	0.131	7.06
89)	1,2,4-Trichlorob...	0.461	0.490	0.541	0.539	0.583	0.523	9.08
90)	Hexachlorobutadiene	0.217	0.209	0.213	0.206	0.221	0.213	2.76
91) M	Naphthalene	1.606	1.778	1.941	1.861	2.031	1.843	8.81
92)	1,2,3-Trichlorob...	0.501	0.523	0.549	0.540	0.578	0.538	5.35

(#) = Out of Range