

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X032621W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Mar 26 13:04:16 2021
 Response Via : Initial Calibration

Calibration Files

5 =VX021525.D 20 =VX021526.D 50 =VX021527.D 100 =VX021528.D 150 =VX021529.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.912	2.754	3.053	3.154	3.083	2.791	18.45
3) M	Chloromethane	2.302	2.431	2.631	2.666	2.713	2.549	6.85
4) M	Vinyl Chloride	1.867	2.097	2.395	2.445	2.522	2.265	12.14
5) M	Bromomethane	0.832	0.898	0.954	0.945	0.924	0.911	5.36
6) M	Chloroethane	1.267	1.240	1.403	1.429	1.421	1.352	6.73
7) M	Trichlorofluorom...	3.172	3.202	3.555	3.552	3.523	3.401	5.76
8) T	Diethyl Ether	1.047	1.006	1.149	1.190	1.204	1.119	7.87
9)	1,1,2-Trichlorot...	1.769	1.735	1.921	2.009	1.996	1.886	6.77
10) M	1,1-Dichloroethene	1.557	1.685	1.848	1.900	1.943	1.787	9.02
11)	Methyl Iodide	0.869	1.148	1.553	1.831	2.045	1.489	32.40
12)	Methyl Acetate	2.475	3.537	4.015	4.109	4.130	3.653	19.20
13) M	Acrolein	1.703	1.590	1.720	1.751	1.845	1.722	5.33
14) M	Acrylonitrile	5.139	5.216	5.905	6.041	6.165	5.693	8.44
15) M	Acetone	1.371	1.393	1.555	1.605	1.618	1.508	7.83
16) M	Carbon Disulfide	4.113	4.566	5.255	5.466	5.577	4.995	12.62
17)	Allyl chloride	2.990	3.193	3.679	3.800	3.672	3.467	10.20
18) M	Methylene Chloride	1.997	1.939	2.184	2.208	2.232	2.112	6.35
19) M	trans-1,2-Dichlo...	1.660	1.767	2.032	2.074	2.119	1.930	10.58
20) T	Diisopropyl ether	6.218	6.290	7.188	7.428	7.499	6.924	9.00
21) M	1,1-Dichloroethane	3.510	3.409	3.859	3.991	4.058	3.765	7.71
22) M	cis-1,2-Dichloro...	2.025	2.042	2.286	2.381	2.427	2.232	8.44
23) M	tert-Butyl Alcohol	2.277	2.140	2.463	2.563	2.639	2.416	8.51
24) M	Methyl tert-Buty...	5.875	5.893	6.770	7.053	7.116	6.542	9.39
25) M	Chloroform	3.780	3.664	4.105	4.195	4.260	4.001	6.59
26)	Cyclohexane	2.763	2.995	3.375	3.547	3.581	3.252	11.04
27) s	1,2-Dichloroetha...	2.715	2.774	2.820	2.792	2.907	2.802	2.51

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.489	0.476	0.515	0.532	0.519	0.506	4.59
30) M	2-Butanone	1.417	1.386	1.519	1.551	1.523	1.479	4.92
31)	2,2-Dichloropropane	0.545	0.510	0.586	0.598	0.583	0.564	6.40
32) M	1,1,1-Trichloroe...	0.614	0.588	0.639	0.649	0.639	0.626	3.97
33) M	Carbon Tetrachlo...	0.556	0.512	0.567	0.576	0.560	0.554	4.45
34) M	Benzene	1.401	1.368	1.488	1.504	1.460	1.444	4.01
35)	Methacrylonitrile	0.330	0.297	0.329	0.339	0.331	0.325	4.98
36) M	1,2-Dichloroethane	0.598	0.593	0.642	0.636	0.622	0.618	3.55
37) M	Trichloroethene	0.352	0.351	0.389	0.396	0.386	0.375	5.72
38)	Methylcyclohexane	0.521	0.512	0.580	0.599	0.592	0.561	7.36
39) M	1,2-Dichloropropane	0.381	0.360	0.398	0.396	0.392	0.385	4.07
40)	Dibromomethane	0.274	0.268	0.285	0.291	0.289	0.281	3.56
41) M	Bromodichloromet...	0.566	0.538	0.592	0.601	0.597	0.579	4.58
42) M	Vinyl Acetate	4.922	4.643	5.229	5.349	5.254	5.079	5.74
43)	Ethyl Acetate	0.525	0.537	0.583	0.589	0.584	0.563	5.38
44)	Isopropyl Acetate	0.880	0.879	0.966	0.996	0.994	0.943	6.28
45) T	1,4-Dioxane	0.185	0.174	0.199	0.194	0.186	0.188	5.09
46)	Methyl methacrylate	0.468	0.482	0.535	0.550	0.550	0.517	7.54
47)	n-amyl Acetate	0.740	0.736	0.854	0.875	0.872	0.815	8.73
48) M	t-1,3-Dichloropr...	0.506	0.519	0.608	0.639	0.646	0.584	11.41
49) T	cis-1,3-Dichloro...	0.570	0.569	0.647	0.673	0.665	0.625	8.23
50) M	1,1,2-Trichloroe...	0.374	0.344	0.391	0.394	0.386	0.378	5.45
51)	Ethyl methacrylate	0.518	0.491	0.572	0.594	0.587	0.552	8.25
52)	1,3-Dichloropropane	0.638	0.611	0.659	0.666	0.656	0.646	3.44
53) M	Dibromochloromet...	0.409	0.387	0.443	0.464	0.452	0.431	7.43
54) M	1,2-Dibromoethane	0.380	0.380	0.417	0.429	0.423	0.406	5.96
55) M	2-Chloroethyl vi...	1.381	1.446	1.582	1.657	1.616	1.536	7.65
56) M	Bromoform	0.280	0.273	0.314	0.333	0.322	0.304	8.67

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	2.975	3.037	3.346	3.318	3.155	3.166	5.21
59) M	2-Hexanone	2.189	2.251	2.554	2.508	2.388	2.378	6.64
60) S	4-Bromofluoroben...	0.520	0.521	0.545	0.533	0.520	0.528	2.10
61) M	Tetrachloroethene	0.354	0.361	0.376	0.374	0.356	0.364	2.77
62) M	Toluene	1.629	1.610	1.742	1.770	1.696	1.689	4.12
63) S	Toluene-d8	1.342	1.378	1.374	1.331	1.312	1.348	2.08
64) M	Chlorobenzene	1.001	0.946	1.064	1.089	1.050	1.030	5.53
65)	1,1,1,2-Tetrachl...	0.402	0.365	0.428	0.426	0.416	0.407	6.38
66) M	Ethyl Benzene	1.725	1.746	2.000	2.027	1.948	1.889	7.58
67) M	m/p-Xylenes	1.272	1.308	1.472	1.482	1.414	1.390	6.86
68) M	o-Xylene	0.626	0.626	0.706	0.719	0.679	0.671	6.52
69) M	Styrene	1.034	1.026	1.193	1.202	1.156	1.122	7.64
70)	Isopropylbenzene	1.680	1.684	1.932	1.977	1.879	1.830	7.64
71) M	1,1,2,2-Tetrachl...	0.619	0.598	0.668	0.643	0.605	0.627	4.61
72)	1,2,3-Trichlorop...	0.588	0.565	0.644	0.619	0.582	0.599	5.29
73)	Bromobenzene	0.408	0.416	0.473	0.463	0.447	0.441	6.47
74)	n-propylbenzene	1.931	1.980	2.273	2.341	2.216	2.148	8.47
75)	2-Chlorotoluene	1.250	1.216	1.399	1.371	1.301	1.307	5.96
76)	1,3,5-Trimethylb...	1.385	1.450	1.679	1.689	1.597	1.560	8.78
77)	t-1,4-Dichloro-2...	0.158	0.159	0.206	0.220	0.215	0.191	16.04
78)	4-Chlorotoluene	1.386	1.417	1.649	1.635	1.535	1.524	7.92
79)	tert-butylbenzene	1.388	1.363	1.570	1.585	1.515	1.484	6.94
80)	1,2,4-Trimethylb...	1.437	1.473	1.637	1.676	1.576	1.560	6.59
81)	sec-Butylbenzene	1.545	1.556	1.856	1.882	1.776	1.723	9.42
82)	p-Isopropyltoluene	1.359	1.427	1.726	1.720	1.632	1.573	10.79
83) M	1,3-Dichlorobenzene	0.741	0.721	0.844	0.839	0.809	0.791	7.19
84) M	1,4-Dichlorobenzene	0.739	0.715	0.851	0.849	0.806	0.792	7.90
85)	n-Butylbenzene	1.178	1.222	1.526	1.569	1.512	1.401	13.25
86) T	Hexachloroethane	0.258	0.233	0.301	0.306	0.287	0.277	11.15
87) M	1,2-Dichlorobenzene	0.746	0.718	0.825	0.824	0.783	0.779	6.04
88)	1,2-Dibromo-3-Ch...	0.131	0.132	0.155	0.158	0.157	0.147	9.42
89)	1,2,4-Trichlorob...	0.412	0.435	0.512	0.551	0.540	0.490	12.83
90)	Hexachlorobutadiene	0.183	0.191	0.228	0.215	0.219	0.207	9.19
91) M	Naphthalene	1.304	1.448	1.778	1.827	1.802	1.632	14.69
92)	1,2,3-Trichlorob...	0.413	0.447	0.518	0.536	0.536	0.490	11.48

(#) = Out of Range