

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X022521W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Thu Feb 25 11:34:08 2021
 Response Via : Initial Calibration

Calibration Files

5 =VX020903.D 20 =VX020904.D 50 =VX020905.D 100 =VX020906.D 150 =VX020907.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.737	1.618	1.602	1.552	1.716	1.645	4.78
3) M	Chloromethane	1.841	1.756	1.750	1.679	1.813	1.768	3.54
4) M	Vinyl Chloride	2.102	2.002	2.052	2.031	2.181	2.073	3.39
5) M	Bromomethane	1.180	1.227	0.732	0.636	0.685	0.892	32.14
6) M	Chloroethane	1.349	1.261	1.311	1.287	1.366	1.315	3.30
7) M	Trichlorofluorom...	2.665	2.603	2.700	2.610	2.820	2.680	3.29
8) T	Diethyl Ether	1.218	1.154	1.190	1.188	1.268	1.204	3.54
9)	1,1,2-Trichlorot...	1.709	1.614	1.651	1.603	1.743	1.664	3.63
10) M	1,1-Dichloroethene	1.705	1.646	1.697	1.681	1.824	1.711	3.94
11)	Methyl Iodide	1.794	2.032	2.240	2.295	2.504	2.173	12.44
12)	Methyl Acetate	1.778	1.785	1.955	1.901	2.067	1.897	6.41
13) M	Acrolein	0.192	0.237	0.289	0.309	0.332	0.272	20.83
14) M	Acrylonitrile	0.910	0.892	0.968	0.949	1.023	0.948	5.42
15) M	Acetone	0.310	0.302	0.285	0.261	0.275	0.287	6.98
16) M	Carbon Disulfide	4.935	4.658	4.806	4.687	5.087	4.835	3.69
17)	Allyl chloride	2.688	2.596	2.718	2.673	2.893	2.713	4.05
18) M	Methylene Chloride	2.005	1.906	1.903	1.880	2.033	1.945	3.54
19) M	trans-1,2-Dichlo...	1.922	1.861	1.904	1.856	1.998	1.908	3.02
20) T	Diisopropyl ether	5.507	5.318	5.482	5.406	5.834	5.509	3.56
21) M	1,1-Dichloroethane	3.220	3.159	3.261	3.219	3.446	3.261	3.37
22) M	cis-1,2-Dichloro...	2.179	2.095	2.165	2.121	2.323	2.177	4.05
23) M	tert-Butyl Alcohol	0.421	0.413	0.442	0.428	0.459	0.433	4.19
24) M	Methyl tert-Buty...	5.896	5.799	6.090	5.944	6.353	6.016	3.58
25) M	Chloroform	3.357	3.261	3.351	3.242	3.531	3.348	3.43
26)	Cyclohexane	3.014	2.872	2.914	2.859	3.096	2.951	3.44
27) s	1,2-Dichloroetha...	2.121	2.144	2.091	2.076	2.148	2.116	1.50
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.455	0.432	0.465	0.447	0.474	0.455	3.56
30) M	2-Butanone	0.227	0.215	0.235	0.218	0.231	0.225	3.72
31)	2,2-Dichloropropane	0.535	0.499	0.533	0.514	0.540	0.524	3.25
32) M	1,1,1-Trichloroe...	0.510	0.493	0.518	0.507	0.537	0.513	3.14
33) M	Carbon Tetrachlo...	0.443	0.415	0.449	0.436	0.466	0.442	4.22
34) M	Benzene	1.357	1.309	1.404	1.352	1.428	1.370	3.40
35)	Methacrylonitrile	0.233	0.224	0.253	0.242	0.256	0.242	5.65
36) M	1,2-Dichloroethane	0.460	0.435	0.471	0.453	0.480	0.460	3.76
37) M	Trichloroethene	0.360	0.350	0.375	0.367	0.391	0.369	4.24
38)	Methylcyclohexane	0.568	0.553	0.587	0.566	0.608	0.577	3.71
39) M	1,2-Dichloropropane	0.337	0.323	0.347	0.337	0.356	0.340	3.64
40)	Dibromomethane	0.229	0.221	0.237	0.232	0.248	0.233	4.35
41) M	Bromodichloromet...	0.481	0.458	0.502	0.478	0.509	0.486	4.23
42) M	Vinyl Acetate	0.815	0.788	0.872	0.835	0.885	0.839	4.79
43)	Ethyl Acetate	0.413	0.402	0.444	0.434	0.457	0.430	5.27
44)	Isopropyl Acetate	0.705	0.671	0.755	0.723	0.773	0.725	5.58
45) T	1,4-Dioxane	0.008	0.008	0.009	0.008	0.009	0.008#	4.94
46)	Methyl methacrylate	0.337	0.341	0.380	0.365	0.387	0.362	6.19
47)	n-amyl Acetate	0.549	0.568	0.619	0.617	0.648	0.600	6.76
48) M	t-1,3-Dichloropr...	0.522	0.516	0.559	0.547	0.585	0.546	5.13
49) T	cis-1,3-Dichloro...	0.574	0.561	0.609	0.592	0.630	0.593	4.61
50) M	1,1,2-Trichloroe...	0.341	0.334	0.351	0.337	0.354	0.344	2.50
51)	Ethyl methacrylate	0.510	0.510	0.559	0.543	0.570	0.539	5.15
52)	1,3-Dichloropropane	0.575	0.549	0.595	0.568	0.603	0.578	3.76
53) M	Dibromochloromet...	0.349	0.353	0.377	0.368	0.383	0.366	4.01
54) M	1,2-Dibromoethane	0.351	0.342	0.371	0.353	0.372	0.358	3.71
55) M	2-Chloroethyl vi...	0.171	0.261	0.284	0.283	0.291	0.258	19.38
56) M	Bromoform	0.240	0.234	0.260	0.258	0.274	0.253	6.42

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.453	0.449	0.515	0.477	0.493	0.477	5.76
59) M	2-Hexanone	0.350	0.346	0.386	0.358	0.373	0.363	4.51
60) S	4-Bromofluoroben...	0.482	0.510	0.506	0.500	0.495	0.499	2.21
61) M	Tetrachloroethene	0.365	0.348	0.374	0.345	0.361	0.359	3.45
62) M	Toluene	1.651	1.603	1.746	1.632	1.734	1.673	3.79
63) S	Toluene-d8	1.375	1.363	1.394	1.335	1.357	1.365	1.60
64) M	Chlorobenzene	1.014	0.993	1.095	0.994	1.057	1.031	4.31
65)	1,1,1,2-Tetrachl...	0.366	0.368	0.395	0.370	0.397	0.379	4.01
66) M	Ethyl Benzene	1.825	1.779	1.960	1.824	1.908	1.859	3.93
67) M	m/p-Xylenes	0.672	0.653	0.725	0.689	0.701	0.688	3.97
68) M	o-Xylene	0.630	0.647	0.696	0.646	0.679	0.660	4.08
69) M	Styrene	1.085	1.100	1.201	1.157	1.185	1.146	4.44
70)	Isopropylbenzene	1.747	1.739	1.858	1.742	1.820	1.781	3.05
71) M	1,1,2,2-Tetrachl...	0.519	0.540	0.589	0.561	0.574	0.556	5.00
72)	1,2,3-Trichlorop...	0.452	0.462	0.495	0.541	0.559	0.502	9.43
73)	Bromobenzene	0.391	0.408	0.435	0.406	0.445	0.417	5.29
74)	n-propylbenzene	1.941	1.999	2.131	2.016	2.085	2.035	3.66
75)	2-Chlorotoluene	1.167	1.196	1.254	1.199	1.247	1.213	3.03
76)	1,3,5-Trimethylb...	1.376	1.422	1.557	1.457	1.487	1.460	4.70
77)	t-1,4-Dichloro-2...	0.188	0.192	0.219	0.219	0.229	0.210	8.72
78)	4-Chlorotoluene	1.319	1.364	1.431	1.402	1.430	1.389	3.43
79)	tert-butylbenzene	1.331	1.406	1.475	1.391	1.464	1.413	4.14
80)	1,2,4-Trimethylb...	1.417	1.471	1.568	1.465	1.513	1.487	3.82
81)	sec-Butylbenzene	1.598	1.648	1.787	1.673	1.750	1.691	4.54
82)	p-Isopropyltoluene	1.419	1.479	1.594	1.568	1.603	1.533	5.25
83) M	1,3-Dichlorobenzene	0.688	0.749	0.796	0.775	0.799	0.761	6.02
84) M	1,4-Dichlorobenzene	0.674	0.738	0.777	0.761	0.783	0.747	5.93
85)	n-Butylbenzene	1.261	1.322	1.455	1.406	1.464	1.382	6.34
86) T	Hexachloroethane	0.259	0.268	0.308	0.288	0.312	0.287	8.23
87) M	1,2-Dichlorobenzene	0.644	0.706	0.762	0.725	0.744	0.716	6.34
88)	1,2-Dibromo-3-Ch...	0.114	0.116	0.132	0.128	0.138	0.126	8.31
89)	1,2,4-Trichlorob...	0.408	0.461	0.495	0.498	0.519	0.476	9.07
90)	Hexachlorobutadiene	0.176	0.193	0.196	0.201	0.207	0.195	5.93
91) M	Naphthalene	1.375	1.609	1.795	1.713	1.827	1.664	10.94
92)	1,2,3-Trichlorob...	0.412	0.449	0.482	0.488	0.514	0.469	8.41

(#) = Out of Range