

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X011022W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Mon Jan 10 12:50:55 2022
 Response Via : Initial Calibration

Calibration Files

5 =VX026392.D 20 =VX026393.D 50 =VX026394.D 100 =VX026395.D 150 =VX026396.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.598	2.169	1.979	1.736	1.553	1.807	14.49
3) M	Chloromethane	1.659	1.818	1.649	1.456	1.311	1.579	12.48
4) M	Vinyl Chloride	1.790	1.979	1.857	1.633	1.467	1.745	11.42
5) M	Bromomethane	0.922	0.921	0.794	0.684	0.608	0.786	17.88
6) M	Chloroethane	1.075	1.161	1.087	0.924	0.704	0.990	18.34
7) M	Trichlorofluorom...	2.838	3.173	2.935	2.584	2.298	2.766	12.15
8) T	Diethyl Ether	1.025	1.103	1.037	0.934	0.835	0.987	10.55
9)	1,1,2-Trichlorot...	1.802	1.988	1.824	1.586	1.432	1.726	12.63
10) M	1,1-Dichloroethene	1.683	1.811	1.702	1.519	1.348	1.613	11.22
11)	Methyl Iodide	1.577	1.802	1.929	1.805	1.644	1.751	8.01
12)	Methyl Acetate	3.626	3.766	3.533	3.113	2.855	3.378	11.27
13) M	Acrolein	0.305	0.314	0.345	0.389	0.396	0.350	11.95
14) M	Acrylonitrile	1.014	1.055	0.988	0.866	0.788	0.942	11.79
15) M	Acetone	0.300	0.358	0.318	0.268	0.236	0.296	15.80
16) M	Carbon Disulfide	5.011	5.052	4.722	4.213	3.772	4.554	12.09
17)	Allyl chloride	3.266	3.387	3.279	2.955	2.632	3.104	9.95
18) M	Methylene Chloride	1.989	1.984	1.840	1.628	1.441	1.776	13.40
19) M	trans-1,2-Dichlo...	1.845	1.925	1.813	1.627	1.457	1.733	10.90
20) T	Diisopropyl ether	6.328	6.901	6.401	5.581	4.947	6.032	12.73
21) M	1,1-Dichloroethane	3.489	3.728	3.519	3.101	2.768	3.321	11.54
22) M	cis-1,2-Dichloro...	2.181	2.234	2.145	1.890	1.690	2.028	11.39
23) M	tert-Butyl Alcohol	0.386	0.353	0.350	0.310	0.311	0.342	9.38
24) M	Methyl tert-Buty...	6.352	6.749	6.301	5.587	4.995	5.997	11.66
25) M	Chloroform	3.642	3.898	3.619	3.200	2.846	3.441	12.10
26)	Cyclohexane	3.238	3.452	3.203	2.804	2.491	3.038	12.67
27) s	1,2-Dichloroetha...	2.452	2.471	2.411	2.411	2.316	2.412	2.48

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.494	0.502	0.485	0.434	0.401	0.463	9.46
30) M	2-Butanone	0.283	0.304	0.287	0.247	0.226	0.269	11.91
31)	2,2-Dichloropropane	0.458	0.513	0.516	0.474	0.439	0.480	7.07
32) M	1,1,1-Trichloroe...	0.582	0.616	0.594	0.536	0.493	0.564	8.78
33) M	Carbon Tetrachlo...	0.515	0.546	0.526	0.475	0.436	0.500	8.82
34) M	Benzene	1.371	1.414	1.345	1.196	1.098	1.285	10.33
35)	Methacrylonitrile	0.292	0.310	0.299	0.266	0.243	0.282	9.65
36) M	1,2-Dichloroethane	0.569	0.568	0.541	0.480	0.436	0.519	11.36
37) M	Trichloroethene	0.394	0.406	0.391	0.344	0.320	0.371	9.92
38)	Methylcyclohexane	0.584	0.621	0.585	0.512	0.475	0.555	10.78
39) M	1,2-Dichloropropane	0.344	0.363	0.347	0.307	0.282	0.329	10.12
40)	Dibromomethane	0.245	0.252	0.243	0.217	0.198	0.231	9.88
41) M	Bromodichloromet...	0.487	0.524	0.508	0.450	0.412	0.476	9.51
42) M	Vinyl Acetate	0.832	0.917	0.887	0.798	0.735	0.834	8.63
43)	Ethyl Acetate	0.503	0.534	0.517	0.459	0.433	0.489	8.57
44)	Isopropyl Acetate	0.818	0.878	0.859	0.770	0.712	0.808	8.37
45) T	1,4-Dioxane	0.007	0.007	0.007	0.006	0.006	0.006	9.87
46)	Methyl methacrylate	0.402	0.437	0.421	0.374	0.347	0.396	9.08
47)	n-amyl Acetate	0.558	0.663	0.646	0.590	0.565	0.604	7.90
48) M	t-1,3-Dichloropr...	0.442	0.509	0.510	0.475	0.442	0.476	7.12
49) T	cis-1,3-Dichloro...	0.513	0.568	0.565	0.510	0.474	0.526	7.58
50) M	1,1,2-Trichloroe...	0.347	0.353	0.330	0.292	0.265	0.317	11.83
51)	Ethyl methacrylate	0.513	0.557	0.536	0.478	0.445	0.506	8.86
52)	1,3-Dichloropropane	0.598	0.610	0.574	0.506	0.462	0.550	11.53
53) M	Dibromochloromet...	0.353	0.381	0.362	0.326	0.302	0.345	9.00
54) M	1,2-Dibromoethane	0.366	0.367	0.352	0.311	0.286	0.337	10.80
55) M	2-Chloroethyl vi...	0.267	0.281	0.273	0.262	0.270	0.271	2.57
56) M	Bromoform	0.226	0.243	0.241	0.222	0.213	0.229	5.59

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.585	0.642	0.595	0.510	0.465	0.560	12.68
59) M	2-Hexanone	0.437	0.507	0.465	0.395	0.361	0.433	13.19
60) S	4-Bromofluoroben...	0.490	0.500	0.500	0.506	0.508	0.501	1.43
61) M	Tetrachloroethene	0.478	0.499	0.467	0.406	0.360	0.442	12.97
62) M	Toluene	1.738	1.782	1.681	1.472	1.334	1.602	11.92
63) S	Toluene-d8	1.375	1.388	1.384	1.391	1.353	1.378	1.12
64) M	Chlorobenzene	1.060	1.088	1.002	0.895	0.817	0.972	11.76
65)	1,1,1,2-Tetrachl...	0.379	0.413	0.394	0.350	0.316	0.370	10.32
66) M	Ethyl Benzene	1.929	2.001	1.890	1.648	1.492	1.792	11.91
67) M	m/p-Xylenes	0.708	0.748	0.703	0.614	0.556	0.666	11.83
68) M	o-Xylene	0.669	0.730	0.684	0.598	0.548	0.646	11.23
69) M	Styrene	1.112	1.183	1.137	1.008	0.926	1.073	9.73
70)	Isopropylbenzene	1.831	1.954	1.824	1.604	1.449	1.733	11.69
71) M	1,1,2,2-Tetrachl...	0.496	0.518	0.493	0.438	0.417	0.472	9.06
72)	1,2,3-Trichlorop...	0.495	0.535	0.508	0.447	0.409	0.479	10.52
73)	Bromobenzene	0.413	0.443	0.414	0.372	0.340	0.397	10.17
74)	n-propylbenzene	2.125	2.230	2.102	1.853	1.696	2.001	10.99
75)	2-Chlorotoluene	1.292	1.340	1.255	1.110	1.015	1.202	11.28
76)	1,3,5-Trimethylb...	1.553	1.627	1.519	1.325	1.213	1.447	11.91
77)	t-1,4-Dichloro-2...	0.119	0.146	0.156	0.150	0.149	0.144	10.15
78)	4-Chlorotoluene	1.468	1.528	1.434	1.263	1.160	1.371	11.19
79)	tert-butylbenzene	1.413	1.501	1.409	1.228	1.147	1.340	10.92
80)	1,2,4-Trimethylb...	1.515	1.613	1.499	1.310	1.210	1.429	11.51
81)	sec-Butylbenzene	1.840	1.959	1.855	1.622	1.498	1.755	10.76
82)	p-Isopropyltoluene	1.532	1.661	1.563	1.374	1.281	1.482	10.29
83) M	1,3-Dichlorobenzene	0.760	0.805	0.780	0.693	0.653	0.738	8.60
84) M	1,4-Dichlorobenzene	0.763	0.811	0.777	0.698	0.649	0.740	8.77
85)	n-Butylbenzene	1.299	1.411	1.364	1.215	1.126	1.283	8.94
86) T	Hexachloroethane	0.203	0.241	0.240	0.221	0.215	0.224	7.35
87) M	1,2-Dichlorobenzene	0.734	0.786	0.741	0.665	0.620	0.709	9.31
88)	1,2-Dibromo-3-Ch...	0.103	0.130	0.131	0.121	0.118	0.120	9.47
89)	1,2,4-Trichlorob...	0.473	0.489	0.490	0.443	0.426	0.464	6.12
90)	Hexachlorobutadiene	0.223	0.221	0.205	0.187	0.176	0.203	10.22
91) M	Naphthalene	1.600	1.720	1.694	1.542	1.470	1.605	6.49
92)	1,2,3-Trichlorob...	0.461	0.499	0.484	0.441	0.423	0.462	6.69

(#) = Out of Range