

Method Path : Z:\voasrv\HPCHEM1\MSVOA_T\methods\
 Method File : 624T102225W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Oct 24 06:05:07 2025
 Response Via : Initial Calibration

Calibration Files

5 =VT019155.D 20 =VT019157.D 50 =VT019158.D 100 =VT019159.D 10 =VT019156.D

Compound		5	20	50	100	10	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	0.999	0.791	0.770	0.719	0.837	0.823	12.97
3) M	Chloromethane	2.117	1.823	1.740	1.619	2.149	1.890	12.38
4) M	Vinyl Chloride	2.359	1.847	2.079	2.102	2.174	2.112	8.73
5) M	Bromomethane	2.357	1.659	0.972		2.028	1.754	33.87
6) M	Chloroethane	2.182	1.719	1.603	1.798	2.012	1.863	12.49
7) M	Trichlorofluorom...	4.317	3.028	3.126	3.288	3.367	3.425	15.07
8) T	Diethyl Ether	2.280	1.895	2.049	2.100	2.220	2.109	7.15
9)	1,1,2-Trichlorot...	1.693	1.410	1.195	1.152	1.275	1.345	16.21
10) M	1,1-Dichloroethene	1.565	1.447	1.221	1.193	1.310	1.347	11.64
11)	Methyl Iodide	1.087	1.250	1.415	1.671	1.141	1.313	17.99
12)	Methyl Acetate	4.028	5.134	5.658	5.579	6.237	5.327	15.50
13) M	Acrolein	0.182	0.209	0.207	0.143	0.158	0.180	16.32
14) M	Acrylonitrile	1.793	1.525	1.570	1.610	1.712	1.642	6.64
15) M	Acetone	0.789	0.552	0.510	0.485	0.590	0.585	20.63
16) M	Carbon Disulfide	3.091	2.343	2.358	2.265	2.522	2.516	13.30
17)	Allyl chloride	3.468	2.812	3.272	3.295	3.166	3.202	7.62
18) M	Methylene Chloride	2.387	1.871	1.820	1.777	2.192	2.009	13.29
19) M	trans-1,2-Dichlo...	2.222	1.947	2.013	2.033	2.147	2.073	5.33
20) T	Diisopropyl ether	9.047	7.454	7.985	7.998	8.276	8.152	7.14
21) M	1,1-Dichloroethane	4.439	3.505	3.626	3.536	3.941	3.809	10.29
22) M	cis-1,2-Dichloro...	2.222	1.947	2.013	2.033	2.147	2.073	5.33
23) M	tert-Butyl Alcohol	0.879	0.669	0.661	0.662	0.727	0.719	12.96
24) M	Methyl tert-Buty...	8.848	7.539	7.851	7.911	8.326	8.095	6.25
25) M	Chloroform	3.981	3.169	3.354	3.313	3.605	3.484	9.15
26)	Cyclohexane	2.837	2.089	2.037	1.974	2.240	2.235	15.67
27) s	1,2-Dichloroetha...	2.736	2.633	2.597	2.465	2.710	2.628	4.08
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.362	0.292	0.297	0.320	0.299	0.314	9.28
30) M	2-Butanone	0.452	0.351	0.360	0.392	0.380	0.387	10.21
31)	2,2-Dichloropropane	0.471	0.428	0.458	0.493	0.448	0.460	5.31
32) M	1,1,1-Trichloroe...	0.431	0.365	0.381	0.412	0.388	0.395	6.62
33) M	Carbon Tetrachlo...	0.240	0.239	0.260	0.291	0.236	0.253	9.23
34) M	Benzene	1.265	1.076	1.117	1.200	1.157	1.163	6.32
35)	Methacrylonitrile	0.330	0.329	0.318	0.318	0.351	0.329	4.14
36) M	1,2-Dichloroethane	0.460	0.403	0.415	0.444	0.434	0.431	5.35
37) M	Trichloroethene	0.241	0.197	0.204	0.215	0.213	0.214	7.84
38)	Methylcyclohexane	0.398	0.296	0.294	0.308	0.285	0.316	14.65
39) M	1,2-Dichloropropane	0.339	0.283	0.291	0.309	0.301	0.305	7.12
40)	Dibromomethane	0.189	0.167	0.181	0.207	0.195	0.188	7.79
41) M	Bromodichloromet...	0.250	0.227	0.234	0.249	0.247	0.241	4.25
42) M	Vinyl Acetate	1.028	0.874	0.926	1.054	0.864	0.949	9.22
43)	Ethyl Acetate	0.617	0.588	0.646	0.694	0.635	0.636	6.20
44)	Isopropyl Acetate	1.076	0.926	0.967	1.050	0.986	1.001	6.14
45) T	1,4-Dioxane	0.009	0.009	0.008	0.009	0.008	0.009	2.67
46)	Methyl methacrylate	0.446	0.411	0.446	0.498	0.437	0.448	7.12
47)	n-amyl Acetate	0.705	0.628	0.689	0.735	0.611	0.674	7.75
48) M	t-1,3-Dichloropr...	0.440	0.411	0.440	0.476	0.421	0.438	5.69
49) T	cis-1,3-Dichloro...	0.477	0.423	0.454	0.492	0.452	0.460	5.72
50) M	1,1,2-Trichloroe...	0.304	0.257	0.266	0.283	0.272	0.276	6.48
51)	Ethyl methacrylate	0.511	0.492	0.516	0.569	0.501	0.518	5.82
52)	1,3-Dichloropropane	0.523	0.458	0.475	0.501	0.510	0.493	5.29
53) M	Dibromochloromet...	0.256	0.241	0.262	0.288	0.243	0.258	7.38
54) M	1,2-Dibromoethane	0.272	0.238	0.248	0.267	0.260	0.257	5.37
55) M	2-Chloroethyl vi...	0.186	0.123	0.150	0.168	0.128	0.151	17.66
56) M	Bromoform	0.139	0.160	0.185	0.209	0.153	0.169	16.38

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.770	0.656	0.727	0.809	0.710	0.735	7.95
59) M	2-Hexanone	0.770	0.656	0.727	0.809	0.710	0.735	7.95
60) S	4-Bromofluoroben...	0.474	0.459	0.480	0.479	0.465	0.471	1.97
61) M	Tetrachloroethene	0.230	0.175	0.180	0.184	0.179	0.190	12.06
62) M	Toluene	1.515	1.229	1.313	1.363	1.299	1.344	7.98
63) S	Toluene-d8	1.481	1.462	1.470	1.438	1.451	1.460	1.15
64) M	Chlorobenzene	0.929	0.746	0.800	0.824	0.804	0.821	8.19
65)	1,1,1,2-Tetrachl...	0.277	0.248	0.268	0.294	0.250	0.267	7.28
66) M	Ethyl Benzene	1.642	1.330	1.427	1.523	1.380	1.460	8.50
67) M	m/p-Xylenes	0.611	0.492	0.524	0.572	0.516	0.543	8.82
68) M	o-Xylene	0.627	0.495	0.545	0.584	0.551	0.560	8.76
69) M	Styrene	1.085	0.910	0.989	1.073	0.973	1.006	7.26
70)	Isopropylbenzene	1.534	1.258	1.353	1.395	1.332	1.374	7.44
71) M	1,1,2,2-Tetrachl...	0.580	0.497	0.530	0.541	0.548	0.539	5.59
72)	1,2,3-Trichlorop...	0.450	0.379	0.409	0.420	0.332	0.398	11.21
73)	Bromobenzene	0.357	0.291	0.311	0.324	0.333	0.323	7.68
74)	n-propylbenzene	1.925	1.516	1.606	1.656	1.584	1.657	9.53
75)	2-Chlorotoluene	1.118	0.924	1.015	1.044	0.972	1.015	7.24
76)	1,3,5-Trimethylb...	1.268	1.021	1.116	1.153	1.080	1.128	8.17
77)	t-1,4-Dichloro-2...	0.179	0.180	0.209	0.226	0.173	0.193	11.86
78)	4-Chlorotoluene	1.139	0.916	0.982	1.015	0.952	1.001	8.54
79)	tert-butylbenzene	1.153	0.956	0.961	0.994	0.944	1.001	8.65
80)	1,2,4-Trimethylb...	1.300	1.091	1.156	1.224	1.111	1.176	7.31
81)	sec-Butylbenzene	1.692	1.332	1.406	1.434	1.351	1.443	10.07
82)	p-Isopropyltoluene	1.356	1.103	1.163	1.262	1.119	1.200	8.88
83) M	1,3-Dichlorobenzene	0.696	0.581	0.621	0.665	0.607	0.634	7.33
84) M	1,4-Dichlorobenzene	0.723	0.585	0.628	0.645	0.610	0.638	8.16
85)	n-Butylbenzene	1.257	1.020	1.103	1.133	0.980	1.099	9.83
86) T	Hexachloroethane	0.145	0.151	0.178	0.199	0.131	0.161	16.98
87) M	1,2-Dichlorobenzene	0.692	0.584	0.632	0.636	0.622	0.633	6.07
88)	1,2-Dibromo-3-Ch...	0.127	0.109	0.122	0.124	0.110	0.118	6.93
89)	1,2,4-Trichlorob...	0.418	0.353	0.383	0.399	0.374	0.385	6.43
90)	Hexachlorobutadiene	0.151	0.123	0.123	0.124	0.119	0.128	10.12
91) M	Naphthalene	1.597	1.357	1.482	1.544	1.470	1.490	6.06
92)	1,2,3-Trichlorob...	0.428	0.363	0.384	0.399	0.371	0.389	6.60

(#) = Out of Range