

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N111325W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Nov 14 00:49:21 2025
 Response Via : Initial Calibration

Calibration Files

5 =VN088274.D 20 =VN088275.D 50 =VN088276.D 100 =VN088277.D 150 =VN088278.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.540	2.366	2.176	2.015	2.447	2.109	17.06
3) M	Chloromethane	2.094	2.291	2.114	2.068	2.305	2.174	5.25
4) M	Vinyl Chloride	2.166	2.413	2.246	2.166	2.505	2.299	6.65
5) M	Bromomethane	1.249	1.214	1.149	1.224	1.294	1.226	4.32
6) M	Chloroethane	1.399	1.495	1.336	1.378	1.498	1.421	5.08
7) M	Trichlorofluorom...	2.922	3.441	3.168	3.005	3.580	3.223	8.72
8) T	Diethyl Ether	1.285	1.200	1.121	1.191	1.226	1.205	4.94
9)	1,1,2-Trichlorot...	1.587	1.800	1.631	1.547	1.889	1.691	8.68
10) M	1,1-Dichloroethene	1.558	1.748	1.601	1.557	1.784	1.650	6.58
11)	Methyl Iodide	1.267	1.744	1.806	1.920	2.041	1.756	16.84
12)	Methyl Acetate	2.674	2.716	2.562	2.661	2.694	2.661	2.23
13) M	Acrolein	0.445	0.354	0.354	0.399	0.406	0.392	9.90
14) M	Acrylonitrile	1.212	1.224	1.162	1.213	1.236	1.209	2.33
15) M	Acetone	0.339	0.364	0.340	0.357	0.369	0.354	3.88
16) M	Carbon Disulfide	5.228	5.928	5.506	5.256	5.901	5.564	6.08
17)	Allyl chloride	3.150	3.298	3.146	3.091	3.344	3.206	3.41
18) M	Methylene Chloride	2.165	2.098	1.983	1.998	2.009	2.050	3.80
19) M	trans-1,2-Dichlo...	1.917	2.036	1.848	1.810	1.993	1.921	4.92
20) T	Diisopropyl ether	6.753	6.994	6.417	6.799	7.288	6.850	4.69
21) M	1,1-Dichloroethane	3.827	4.008	3.728	3.748	3.985	3.859	3.40
22) M	cis-1,2-Dichloro...	2.263	2.268	2.137	2.183	2.312	2.233	3.18
23) M	tert-Butyl Alcohol	0.528	0.435	0.407	0.422	0.431	0.445	10.75
24) M	Methyl tert-Buty...	6.526	6.635	6.404	6.727	6.964	6.651	3.19
25) M	Chloroform	3.861	3.873	3.674	3.755	3.958	3.824	2.90
26)	Cyclohexane	2.831	3.534	3.200	3.018	3.716	3.260	11.16
27) s	1,2-Dichloroetha...	2.725	2.740	2.769	2.745	2.723	2.740	0.67
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.484	0.508	0.471	0.497	0.542	0.501	5.43
30) M	2-Butanone	0.335	0.314	0.299	0.335	0.336	0.324	5.15
31)	2,2-Dichloropropane	0.605	0.623	0.581	0.619	0.659	0.617	4.60
32) M	1,1,1-Trichloroe...	0.623	0.624	0.578	0.609	0.651	0.617	4.30
33) M	Carbon Tetrachlo...	0.524	0.532	0.499	0.511	0.569	0.527	5.04
34) M	Benzene	1.560	1.495	1.392	1.499	1.535	1.496	4.28
35)	Methacrylonitrile	0.355	0.325	0.307	0.355	0.347	0.338	6.21
36) M	1,2-Dichloroethane	0.585	0.575	0.546	0.608	0.597	0.582	4.09
37) M	Trichloroethene	0.350	0.340	0.321	0.335	0.349	0.339	3.43
38)	Methylcyclohexane	0.509	0.593	0.554	0.552	0.661	0.574	9.95
39) M	1,2-Dichloropropane	0.414	0.378	0.356	0.391	0.391	0.386	5.53
40)	Dibromomethane	0.292	0.277	0.254	0.284	0.281	0.277	5.20
41) M	Bromodichloromet...	0.566	0.535	0.518	0.584	0.588	0.558	5.45
42) M	Vinyl Acetate	1.052	1.049	1.034	1.148	1.121	1.081	4.68
43)	Ethyl Acetate	0.675	0.645	0.608	0.680	0.649	0.651	4.40
44)	Isopropyl Acetate	0.981	0.975	0.929	1.071	1.063	1.004	6.08
45) T	1,4-Dioxane	0.006	0.006	0.006	0.006	0.006	0.006	3.52
46)	Methyl methacrylate	0.433	0.448	0.440	0.513	0.515	0.470	8.69
47)	n-amyl Acetate	0.516	0.456	0.455	0.558	0.559	0.509	10.15
48) M	t-1,3-Dichloropr...	0.579	0.559	0.550	0.647	0.651	0.597	8.11
49) T	cis-1,3-Dichloro...	0.606	0.610	0.581	0.651	0.660	0.621	5.33
50) M	1,1,2-Trichloroe...	0.363	0.334	0.318	0.353	0.347	0.343	5.08
51)	Ethyl methacrylate	0.497	0.522	0.533	0.635	0.633	0.564	11.59
52)	1,3-Dichloropropane	0.642	0.612	0.576	0.647	0.646	0.625	4.98
53) M	Dibromochloromet...	0.382	0.377	0.368	0.423	0.420	0.394	6.47
54) M	1,2-Dibromoethane	0.368	0.342	0.325	0.378	0.370	0.356	6.23
55) M	2-Chloroethyl vi...	0.323	0.304	0.282	0.355	0.361	0.325	10.30
56) M	Bromoform	0.229	0.233	0.232	0.278	0.276	0.249	10.05

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.654	0.685	0.642	0.710	0.701	0.679	4.35
59) M	2-Hexanone	0.370	0.436	0.440	0.501	0.505	0.451	12.33
60) S	4-Bromofluoroben...	0.479	0.494	0.513	0.515	0.534	0.507	4.15
61) M	Tetrachloroethene	0.305	0.329	0.295	0.297	0.321	0.309	4.85
62) M	Toluene	1.716	1.777	1.619	1.714	1.782	1.722	3.83
63) S	Toluene-d8	1.418	1.455	1.418	1.385	1.426	1.420	1.76
64) M	Chlorobenzene	1.098	1.065	0.994	1.074	1.099	1.066	4.04
65)	1,1,1,2-Tetrachl...	0.374	0.369	0.338	0.368	0.375	0.365	4.19
66) M	Ethyl Benzene	1.763	1.927	1.813	1.933	2.052	1.897	5.97
67) M	m/p-Xylenes	0.660	0.723	0.687	0.718	0.760	0.710	5.37
68) M	o-Xylene	0.619	0.665	0.643	0.698	0.721	0.669	6.18
69) M	Styrene	1.010	1.113	1.104	1.209	1.248	1.137	8.29
70)	Isopropylbenzene	1.587	1.799	1.703	1.815	1.966	1.774	7.95
71) M	1,1,2,2-Tetrachl...	0.574	0.575	0.541	0.593	0.589	0.575	3.56
72)	1,2,3-Trichlorop...	0.611	0.509	0.524	0.576	0.563	0.557	7.31
73)	Bromobenzene	0.390	0.399	0.386	0.416	0.412	0.400	3.35
74)	n-propylbenzene	1.999	2.235	2.127	2.235	2.380	2.195	6.47
75)	2-Chlorotoluene	1.289	1.337	1.272	1.366	1.410	1.335	4.22
76)	1,3,5-Trimethylb...	1.318	1.500	1.447	1.538	1.642	1.489	8.00
77)	t-1,4-Dichloro-2...	0.144	0.179	0.184	0.220	0.229	0.191	17.90
78)	4-Chlorotoluene	1.240	1.360	1.301	1.407	1.457	1.353	6.33
79)	tert-butylbenzene	1.171	1.273	1.238	1.291	1.402	1.275	6.62
80)	1,2,4-Trimethylb...	1.279	1.474	1.447	1.576	1.627	1.481	9.09
81)	sec-Butylbenzene	1.667	1.917	1.793	1.867	2.053	1.859	7.71
82)	p-Isopropyltoluene	1.325	1.574	1.512	1.559	1.712	1.536	9.09
83) M	1,3-Dichlorobenzene	0.726	0.795	0.753	0.802	0.815	0.778	4.83
84) M	1,4-Dichlorobenzene	0.769	0.785	0.745	0.815	0.826	0.788	4.23
85)	n-Butylbenzene	1.210	1.538	1.426	1.492	1.656	1.464	11.28
86) T	Hexachloroethane	0.283	0.293	0.279	0.298	0.319	0.294	5.42
87) M	1,2-Dichlorobenzene	0.709	0.744	0.697	0.759	0.764	0.734	4.10
88)	1,2-Dibromo-3-Ch...	0.131	0.129	0.128	0.141	0.147	0.135	6.28
89)	1,2,4-Trichlorob...	0.388	0.404	0.390	0.429	0.451	0.412	6.59
90)	Hexachlorobutadiene	0.155	0.165	0.155	0.150	0.175	0.160	6.34
91) M	Naphthalene	1.322	1.441	1.415	1.607	1.671	1.491	9.67
92)	1,2,3-Trichlorob...	0.388	0.404	0.390	0.429	0.451	0.412	6.59

(#) = Out of Range