

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N080525W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Wed Aug 06 02:01:21 2025
 Response Via : Initial Calibration

Calibration Files

5 =VN087452.D 20 =VN087453.D 50 =VN087454.D 100 =VN087455.D 150 =VN087456.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.779	2.065	1.842	2.012	2.094	1.959	7.15
3) M	Chloromethane	1.994	2.165	1.805	1.983	2.101	2.010	6.82
4) M	Vinyl Chloride	2.092	2.289	1.905	2.161	2.210	2.131	6.82
5) M	Bromomethane	1.027	1.160	1.070	1.220	1.291	1.154	9.32
6) M	Chloroethane	1.413	1.441	1.211	1.381	1.427	1.374	6.83
7) M	Trichlorofluorom...	3.231	3.208	2.715	3.043	3.141	3.067	6.85
8) T	Diethyl Ether	1.339	1.321	1.158	1.256	1.316	1.278	5.81
9)	1,1,2-Trichlorot...	1.716	1.591	1.388	1.528	1.598	1.564	7.66
10) M	1,1-Dichloroethene	1.704	1.730	1.440	1.616	1.725	1.643	7.46
11)	Methyl Iodide	0.778	1.076	1.217	1.615	1.782	1.294	31.42
12)	Methyl Acetate	2.942	3.094	2.763	3.128	3.234	3.032	6.05
13) M	Acrolein	0.460	0.463	0.413	0.467	0.513	0.463	7.62
14) M	Acrylonitrile	1.353	1.358	1.193	1.335	1.382	1.324	5.68
15) M	Acetone	0.421	0.418	0.335	0.356	0.361	0.378	10.28
16) M	Carbon Disulfide	5.413	5.176	4.534	5.095	5.266	5.097	6.60
17)	Allyl chloride	3.346	3.377	3.088	3.403	3.531	3.349	4.83
18) M	Methylene Chloride	2.274	2.168	1.887	2.100	2.148	2.115	6.75
19) M	trans-1,2-Dichlo...	2.081	2.014	1.729	1.927	2.019	1.954	7.02
20) T	Diisopropyl ether	7.680	7.823	6.906	7.782	7.955	7.629	5.46
21) M	1,1-Dichloroethane	3.979	4.147	3.567	3.949	4.076	3.944	5.70
22) M	cis-1,2-Dichloro...	2.477	2.499	2.149	2.403	2.493	2.404	6.14
23) M	tert-Butyl Alcohol	0.606	0.569	0.509	0.558	0.571	0.563	6.23
24) M	Methyl tert-Buty...	7.611	7.656	6.765	7.529	7.874	7.487	5.65
25) M	Chloroform	4.236	4.223	3.738	4.105	4.280	4.116	5.37
26)	Cyclohexane	3.153	3.329	2.842	3.205	3.258	3.157	5.95
27) s	1,2-Dichloroetha...	2.772	2.838	2.776	2.704	2.746	2.767	1.76
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.518	0.490	0.445	0.495	0.498	0.489	5.50
30) M	2-Butanone	0.377	0.365	0.334	0.365	0.363	0.361	4.46
31)	2,2-Dichloropropane	0.672	0.638	0.576	0.636	0.632	0.631	5.48
32) M	1,1,1-Trichloroe...	0.651	0.618	0.571	0.636	0.645	0.624	5.19
33) M	Carbon Tetrachlo...	0.536	0.520	0.474	0.527	0.535	0.518	4.94
34) M	Benzene	1.608	1.540	1.410	1.580	1.584	1.545	5.12
35)	Methacrylonitrile	0.409	0.399	0.373	0.382	0.383	0.389	3.77
36) M	1,2-Dichloroethane	0.661	0.636	0.564	0.626	0.634	0.624	5.77
37) M	Trichloroethene	0.355	0.345	0.311	0.344	0.346	0.340	4.97
38)	Methylcyclohexane	0.603	0.572	0.512	0.576	0.575	0.568	5.94
39) M	1,2-Dichloropropane	0.422	0.401	0.358	0.399	0.400	0.396	5.95
40)	Dibromomethane	0.317	0.300	0.269	0.298	0.302	0.297	5.83
41) M	Bromodichloromet...	0.662	0.606	0.561	0.623	0.634	0.617	6.04
42) M	Vinyl Acetate	1.222	1.212	1.088	1.205	1.212	1.188	4.74
43)	Ethyl Acetate	0.745	0.699	0.626	0.699	0.716	0.697	6.31
44)	Isopropyl Acetate	1.228	1.191	1.082	1.201	1.204	1.181	4.82
45) T	1,4-Dioxane	0.008	0.008	0.007	0.007	0.008	0.008	4.20
46)	Methyl methacrylate	0.576	0.558	0.503	0.565	0.585	0.558	5.76
47)	n-amyl Acetate	0.537	0.566	0.572	0.765	0.823	0.652	20.12
48) M	t-1,3-Dichloropr...	0.676	0.663	0.618	0.700	0.702	0.672	5.10
49) T	cis-1,3-Dichloro...	0.687	0.664	0.629	0.696	0.704	0.676	4.48
50) M	1,1,2-Trichloroe...	0.385	0.375	0.344	0.386	0.388	0.375	4.88
51)	Ethyl methacrylate	0.599	0.652	0.624	0.714	0.716	0.661	8.02
52)	1,3-Dichloropropane	0.699	0.678	0.621	0.688	0.696	0.676	4.70
53) M	Dibromochloromet...	0.427	0.424	0.402	0.455	0.460	0.434	5.49
54) M	1,2-Dibromoethane	0.401	0.400	0.364	0.414	0.413	0.399	5.12
55) M	2-Chloroethyl vi...	0.373	0.349	0.321	0.345	0.353	0.348	5.40
56) M	Bromoform	0.268	0.276	0.268	0.310	0.312	0.287	7.82

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		-----ISTD-----							
57) I	Chlorobenzene-d5								
58) M	4-Methyl-2-Penta...	0.813	0.802	0.713	0.780	0.751	0.772		5.27
59) M	2-Hexanone	0.484	0.527	0.504	0.561	0.545	0.524		5.95
60) S	4-Bromofluoroben...	0.512	0.520	0.522	0.520	0.508	0.516		1.14
61) M	Tetrachloroethene	0.320	0.292	0.270	0.290	0.289	0.292		6.10
62) M	Toluene	1.975	1.905	1.689	1.854	1.835	1.852		5.70
63) S	Toluene-d8	1.413	1.382	1.386	1.386	1.336	1.380		2.02
64) M	Chlorobenzene	1.218	1.156	1.030	1.149	1.135	1.138		5.97
65)	1,1,1,2-Tetrachl...	0.431	0.404	0.364	0.405	0.396	0.400		5.99
66) M	Ethyl Benzene	2.154	2.115	1.892	2.094	2.064	2.064		4.92
67) M	m/p-Xylenes	0.796	0.768	0.702	0.768	0.753	0.758		4.55
68) M	o-Xylene	0.791	0.754	0.681	0.756	0.745	0.745		5.38
69) M	Styrene	1.257	1.295	1.182	1.323	1.307	1.273		4.43
70)	Isopropylbenzene	1.938	1.936	1.729	1.947	1.916	1.893		4.88
71) M	1,1,2,2-Tetrachl...	0.692	0.679	0.590	0.654	0.628	0.649		6.28
72)	1,2,3-Trichlorop...	0.631	0.567	0.582	0.629	0.613	0.604		4.77
73)	Bromobenzene	0.468	0.440	0.398	0.451	0.438	0.439		5.88
74)	n-propylbenzene	2.495	2.410	2.165	2.415	2.338	2.365		5.27
75)	2-Chlorotoluene	1.570	1.484	1.328	1.466	1.424	1.455		6.07
76)	1,3,5-Trimethylb...	1.705	1.661	1.495	1.646	1.599	1.621		4.93
77)	t-1,4-Dichloro-2...	0.192	0.216	0.220	0.261	0.256	0.229	12.71	
78)	4-Chlorotoluene	1.549	1.474	1.362	1.513	1.472	1.474		4.77
79)	tert-butylbenzene	1.443	1.398	1.266	1.395	1.332	1.367		5.03
80)	1,2,4-Trimethylb...	1.672	1.639	1.511	1.667	1.611	1.620		4.05
81)	sec-Butylbenzene	2.093	2.047	1.849	2.015	1.944	1.990		4.80
82)	p-Isopropyltoluene	1.761	1.692	1.528	1.670	1.610	1.652		5.32
83) M	1,3-Dichlorobenzene	0.874	0.853	0.777	0.847	0.828	0.836		4.37
84) M	1,4-Dichlorobenzene	0.884	0.870	0.790	0.858	0.835	0.847		4.35
85)	n-Butylbenzene	1.647	1.662	1.513	1.658	1.602	1.616		3.89
86) T	Hexachloroethane	0.327	0.326	0.300	0.334	0.327	0.323		4.07
87) M	1,2-Dichlorobenzene	0.812	0.819	0.750	0.814	0.794	0.798		3.56
88)	1,2-Dibromo-3-Ch...	0.173	0.170	0.149	0.166	0.164	0.164		5.70
89)	1,2,4-Trichlorob...	0.495	0.478	0.435	0.486	0.490	0.477		5.05
90)	Hexachlorobutadiene	0.222	0.189	0.165	0.177	0.174	0.185	11.79	
91) M	Naphthalene	1.807	1.840	1.675	1.885	1.883	1.818		4.73
92)	1,2,3-Trichlorob...	0.495	0.478	0.435	0.486	0.490	0.477		5.05

(#) = Out of Range