

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N100825W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Thu Oct 09 02:36:32 2025
 Response Via : Initial Calibration

Calibration Files

5 =VN088030.D 20 =VN088031.D 50 =VN088032.D 100 =VN088033.D 150 =VN088034.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.490	1.788	1.711	1.867	1.736	1.718	8.19
3) M	Chloromethane	1.918	1.942	1.878	2.057	1.945	1.948	3.42
4) M	Vinyl Chloride	2.020	2.044	1.970	2.142	1.981	2.031	3.38
5) M	Bromomethane	1.037	1.041	1.067	1.211	1.105	1.092	6.58
6) M	Chloroethane	1.430	1.330	1.281	1.393	1.265	1.340	5.28
7) M	Trichlorofluorom...	2.820	2.737	2.698	2.902	2.655	2.762	3.59
8) T	Diethyl Ether	1.353	1.224	1.198	1.288	1.177	1.248	5.75
9)	1,1,2-Trichlorot...	1.510	1.460	1.453	1.558	1.412	1.479	3.81
10) M	1,1-Dichloroethene	1.710	1.559	1.529	1.593	1.496	1.577	5.22
11)	Methyl Iodide	0.781	1.201	1.541	1.911	1.834	1.454	32.23
12)	Methyl Acetate	2.679	2.533	2.442	2.697	2.471	2.564	4.60
13) M	Acrolein	0.452	0.353	0.360	0.411	0.408	0.397	10.34
14) M	Acrylonitrile	1.269	1.221	1.203	1.302	1.193	1.237	3.72
15) M	Acetone	0.419	0.365	0.346	0.362	0.320	0.362	10.07
16) M	Carbon Disulfide	5.111	4.866	4.796	5.172	4.779	4.945	3.72
17)	Allyl chloride	3.248	2.939	2.812	3.033	2.850	2.976	5.85
18) M	Methylene Chloride	2.188	1.946	1.946	2.049	1.895	2.005	5.82
19) M	trans-1,2-Dichlo...	1.892	1.826	1.733	1.891	1.776	1.824	3.84
20) T	Diisopropyl ether	6.682	6.730	6.581	7.169	6.720	6.776	3.35
21) M	1,1-Dichloroethane	3.634	3.511	3.377	3.682	3.433	3.528	3.67
22) M	cis-1,2-Dichloro...	2.393	2.264	2.205	2.381	2.172	2.283	4.40
23) M	tert-Butyl Alcohol	0.549	0.494	0.481	0.511	0.446	0.496	7.68
24) M	Methyl tert-Buty...	7.020	6.709	6.609	7.119	6.586	6.809	3.60
25) M	Chloroform	3.927	3.583	3.492	3.728	3.472	3.640	5.20
26)	Cyclohexane	2.967	2.964	2.826	3.030	2.827	2.923	3.13
27) s	1,2-Dichloroetha...	2.303	2.319	2.360	2.378	2.319	2.336	1.36
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.443	0.421	0.413	0.452	0.422	0.430	3.84
30) M	2-Butanone	0.330	0.315	0.305	0.333	0.303	0.317	4.43
31)	2,2-Dichloropropane	0.613	0.550	0.528	0.565	0.514	0.554	6.95
32) M	1,1,1-Trichloroe...	0.564	0.539	0.513	0.557	0.514	0.537	4.41
33) M	Carbon Tetrachlo...	0.457	0.445	0.435	0.475	0.439	0.450	3.60
34) M	Benzene	1.491	1.402	1.366	1.489	1.384	1.426	4.17
35)	Methacrylonitrile	0.349	0.333	0.326	0.343	0.316	0.334	3.89
36) M	1,2-Dichloroethane	0.517	0.490	0.473	0.514	0.482	0.495	3.97
37) M	Trichloroethene	0.358	0.334	0.322	0.351	0.324	0.338	4.79
38)	Methylcyclohexane	0.560	0.522	0.513	0.555	0.506	0.531	4.67
39) M	1,2-Dichloropropane	0.379	0.350	0.337	0.375	0.347	0.358	5.08
40)	Dibromomethane	0.270	0.258	0.251	0.271	0.251	0.260	3.85
41) M	Bromodichloromet...	0.571	0.517	0.502	0.556	0.512	0.532	5.61
42) M	Vinyl Acetate	1.073	1.006	1.017	1.195	1.111	1.080	7.13
43)	Ethyl Acetate	0.627	0.609	0.570	0.653	0.590	0.610	5.26
44)	Isopropyl Acetate	0.988	0.978	0.970	1.061	0.982	0.996	3.72
45) T	1,4-Dioxane	0.007	0.007	0.007	0.007	0.006	0.007	8.01
46)	Methyl methacrylate	0.453	0.385	0.430	0.480	0.443	0.439	7.98
47)	n-amyl Acetate	0.377	0.459	0.444	0.504	0.576	0.472	15.62
48) M	t-1,3-Dichloropr...	0.587	0.570	0.571	0.637	0.590	0.591	4.63
49) T	cis-1,3-Dichloro...	0.628	0.604	0.589	0.655	0.607	0.617	4.12
50) M	1,1,2-Trichloroe...	0.366	0.338	0.331	0.357	0.332	0.345	4.53
51)	Ethyl methacrylate	0.512	0.552	0.583	0.659	0.611	0.583	9.57
52)	1,3-Dichloropropane	0.612	0.593	0.576	0.642	0.585	0.601	4.36
53) M	Dibromochloromet...	0.415	0.400	0.398	0.443	0.405	0.412	4.56
54) M	1,2-Dibromoethane	0.381	0.359	0.352	0.391	0.360	0.369	4.55
55) M	2-Chloroethyl vi...	0.290	0.319	0.313	0.338	0.314	0.315	5.39
56) M	Bromoform	0.269	0.265	0.273	0.306	0.281	0.279	5.81

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.679	0.671	0.657	0.702	0.646	0.671	3.21
59) M	2-Hexanone	0.360	0.437	0.456	0.500	0.463	0.443	11.67
60) S	4-Bromofluoroben...	0.488	0.497	0.493	0.507	0.489	0.495	1.54
61) M	Tetrachloroethene	0.323	0.306	0.293	0.309	0.287	0.304	4.62
62) M	Toluene	1.796	1.700	1.645	1.730	1.638	1.702	3.81
63) S	Toluene-d8	1.344	1.343	1.333	1.329	1.334	1.337	0.50
64) M	Chlorobenzene	1.118	1.084	1.059	1.124	1.049	1.087	3.07
65)	1,1,1,2-Tetrachl...	0.382	0.382	0.369	0.383	0.357	0.375	2.99
66) M	Ethyl Benzene	1.902	1.839	1.800	1.919	1.792	1.850	3.13
67) M	m/p-Xylenes	0.729	0.714	0.693	0.739	0.693	0.713	2.89
68) M	o-Xylene	0.746	0.710	0.685	0.732	0.677	0.710	4.17
69) M	Styrene	1.155	1.133	1.178	1.245	1.162	1.175	3.63
70)	Isopropylbenzene	1.791	1.721	1.707	1.804	1.679	1.740	3.14
71) M	1,1,2,2-Tetrachl...	0.620	0.583	0.576	0.612	0.560	0.590	4.22
72)	1,2,3-Trichlorop...	0.580	0.517	0.547	0.571	0.524	0.548	5.03
73)	Bromobenzene	0.431	0.428	0.422	0.439	0.407	0.425	2.88
74)	n-propylbenzene	2.089	2.082	2.067	2.224	2.043	2.101	3.37
75)	2-Chlorotoluene	1.299	1.273	1.252	1.352	1.248	1.285	3.31
76)	1,3,5-Trimethylb...	1.521	1.464	1.453	1.548	1.405	1.478	3.84
77)	t-1,4-Dichloro-2...	0.202	0.196	0.214	0.248	0.232	0.218	9.81
78)	4-Chlorotoluene	1.254	1.296	1.295	1.393	1.288	1.305	3.96
79)	tert-butylbenzene	1.295	1.287	1.268	1.342	1.215	1.282	3.59
80)	1,2,4-Trimethylb...	1.505	1.473	1.453	1.563	1.406	1.480	3.95
81)	sec-Butylbenzene	1.842	1.802	1.770	1.884	1.712	1.802	3.65
82)	p-Isopropyltoluene	1.590	1.540	1.522	1.603	1.437	1.538	4.29
83) M	1,3-Dichlorobenzene	0.810	0.804	0.798	0.835	0.755	0.800	3.61
84) M	1,4-Dichlorobenzene	0.855	0.833	0.802	0.848	0.790	0.825	3.48
85)	n-Butylbenzene	1.435	1.433	1.420	1.506	1.362	1.431	3.58
86) T	Hexachloroethane	0.326	0.303	0.304	0.317	0.291	0.308	4.32
87) M	1,2-Dichlorobenzene	0.821	0.786	0.766	0.819	0.744	0.787	4.26
88)	1,2-Dibromo-3-Ch...	0.134	0.140	0.133	0.141	0.129	0.136	3.68
89)	1,2,4-Trichlorob...	0.467	0.470	0.455	0.493	0.460	0.469	3.10
90)	Hexachlorobutadiene	0.177	0.160	0.162	0.166	0.152	0.163	5.60
91) M	Naphthalene	1.691	1.709	1.674	1.820	1.690	1.717	3.44
92)	1,2,3-Trichlorob...	0.467	0.470	0.455	0.493	0.460	0.469	3.10

(#) = Out of Range