

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N062525W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Wed Jun 25 10:49:56 2025
 Response Via : Initial Calibration

Calibration Files

5 =VN087162.D 20 =VN087163.D 50 =VN087164.D 100 =VN087165.D 150 =VN087166.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.971	1.652	1.736	1.761	1.909	1.806	7.24
3) M	Chloromethane	2.014	1.562	1.799	1.846	2.001	1.844	9.98
4) M	Vinyl Chloride	2.146	1.799	1.922	1.946	2.209	2.005	8.44
5) M	Bromomethane	1.205	0.965	0.990	1.020	1.139	1.064	9.72
6) M	Chloroethane	1.140	0.966	1.040	1.070	1.161	1.075	7.33
7) M	Trichlorofluorom...	2.644	2.322	2.382	2.400	2.546	2.459	5.39
8) T	Diethyl Ether	1.247	1.074	1.171	1.220	1.328	1.208	7.77
9)	1,1,2-Trichlorot...	1.941	1.681	1.788	1.785	1.920	1.823	5.89
10) M	1,1-Dichloroethene	1.930	1.676	1.779	1.772	1.929	1.817	6.06
11)	Methyl Iodide	1.117	1.292	1.735	1.883	2.114	1.628	25.45
12)	Methyl Acetate	2.817	2.616	2.857	2.889	3.074	2.851	5.75
13) M	Acrolein	0.397	0.359	0.407	0.454	0.574	0.438	18.98
14) M	Acrylonitrile	1.315	1.227	1.344	1.334	1.428	1.330	5.41
15) M	Acetone	0.423	0.367	0.386	0.373	0.390	0.388	5.66
16) M	Carbon Disulfide	6.114	4.847	5.126	5.051	5.429	5.313	9.29
17)	Allyl chloride	3.092	2.759	2.988	2.969	3.179	2.997	5.26
18) M	Methylene Chloride	2.339	1.947	2.062	2.025	2.153	2.105	7.14
19) M	trans-1,2-Dichlo...	2.191	1.821	1.955	1.916	2.054	1.987	7.11
20) T	Diisopropyl ether	6.275	6.084	6.540	6.352	6.546	6.359	3.05
21) M	1,1-Dichloroethane	4.181	3.580	3.726	3.650	3.867	3.801	6.26
22) M	cis-1,2-Dichloro...	2.324	2.093	2.374	2.269	2.506	2.313	6.53
23) M	tert-Butyl Alcohol	0.496	0.453	0.505	0.506	0.540	0.500	6.19
24) M	Methyl tert-Buty...	6.446	5.734	6.377	6.408	6.903	6.374	6.55
25) M	Chloroform	3.901	3.326	3.659	3.568	3.753	3.641	5.90
26)	Cyclohexane	3.125	2.822	3.197	3.208	3.445	3.159	7.09
27) s	1,2-Dichloroetha...	2.394	2.309	2.211	2.236	2.153	2.260	4.12
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.474	0.400	0.502	0.461	0.501	0.468	8.87
30) M	2-Butanone	0.292	0.286	0.342	0.316	0.341	0.315	8.38
31)	2,2-Dichloropropane	0.584	0.518	0.597	0.538	0.585	0.564	6.13
32) M	1,1,1-Trichloroe...	0.563	0.497	0.582	0.524	0.565	0.546	6.31
33) M	Carbon Tetrachlo...	0.493	0.398	0.480	0.447	0.480	0.460	8.41
34) M	Benzene	1.576	1.309	1.574	1.454	1.494	1.481	7.41
35)	Methacrylonitrile	0.314	0.284	0.342	0.314	0.335	0.318	7.03
36) M	1,2-Dichloroethane	0.517	0.442	0.507	0.457	0.471	0.479	6.70
37) M	Trichloroethene	0.371	0.294	0.352	0.336	0.355	0.342	8.55
38)	Methylcyclohexane	0.545	0.472	0.533	0.551	0.582	0.537	7.50
39) M	1,2-Dichloropropane	0.397	0.348	0.369	0.363	0.382	0.372	5.07
40)	Dibromomethane	0.268	0.235	0.258	0.247	0.257	0.253	5.03
41) M	Bromodichloromet...	0.537	0.482	0.522	0.485	0.525	0.510	4.94
42) M	Vinyl Acetate	1.007	0.948	1.108	1.006	1.062	1.026	5.95
43)	Ethyl Acetate	0.446	0.561	0.655	0.570	0.615	0.569	13.78
44)	Isopropyl Acetate	0.937	0.835	0.997	0.918	0.951	0.928	6.42
45) T	1,4-Dioxane	0.006	0.006	0.007	0.007	0.007	0.006	10.25
46)	Methyl methacrylate	0.420	0.396	0.447	0.432	0.462	0.431	5.84
47)	n-amyl Acetate	0.534	0.506	0.565	0.576	0.655	0.567	9.89
48) M	t-1,3-Dichloropr...	0.553	0.512	0.613	0.554	0.612	0.569	7.62
49) T	cis-1,3-Dichloro...	0.616	0.568	0.606	0.585	0.649	0.605	5.13
50) M	1,1,2-Trichloroe...	0.388	0.333	0.376	0.332	0.366	0.359	7.04
51)	Ethyl methacrylate	0.420	0.470	0.614	0.578	0.651	0.547	17.88
52)	1,3-Dichloropropane	0.638	0.573	0.651	0.579	0.642	0.617	6.11
53) M	Dibromochloromet...	0.373	0.343	0.401	0.363	0.405	0.377	6.99
54) M	1,2-Dibromoethane	0.381	0.344	0.382	0.358	0.389	0.371	5.10
55) M	2-Chloroethyl vi...	0.297	0.291	0.314	0.319	0.345	0.313	6.82
56) M	Bromoform	0.258	0.234	0.271	0.258	0.276	0.259	6.27

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.557	0.547	0.645	0.630	0.637	0.603	7.80
59) M	2-Hexanone	0.305	0.322	0.440	0.428	0.452	0.389	17.98
60) S	4-Bromofluoroben...	0.439	0.448	0.470	0.489	0.468	0.463	4.27
61) M	Tetrachloroethene	0.334	0.268	0.301	0.281	0.301	0.297	8.44
62) M	Toluene	1.839	1.550	1.720	1.643	1.720	1.694	6.31
63) S	Toluene-d8	1.386	1.399	1.314	1.311	1.325	1.347	3.15
64) M	Chlorobenzene	1.136	0.985	1.106	1.071	1.106	1.081	5.40
65)	1,1,1,2-Tetrachl...	0.376	0.326	0.365	0.354	0.365	0.357	5.38
66) M	Ethyl Benzene	1.847	1.649	1.926	1.899	1.952	1.855	6.55
67) M	m/p-Xylenes	0.694	0.636	0.742	0.734	0.747	0.711	6.52
68) M	o-Xylene	0.650	0.604	0.709	0.706	0.720	0.678	7.29
69) M	Styrene	1.086	1.039	1.240	1.213	1.242	1.164	8.14
70)	Isopropylbenzene	1.623	1.479	1.789	1.764	1.788	1.689	8.04
71) M	1,1,2,2-Tetrachl...	0.624	0.566	0.635	0.606	0.608	0.608	4.37
72)	1,2,3-Trichlorop...	0.610	0.465	0.528	0.512	0.505	0.524	10.20
73)	Bromobenzene	0.416	0.361	0.427	0.417	0.427	0.410	6.80
74)	n-propylbenzene	1.920	1.807	2.222	2.185	2.181	2.063	9.08
75)	2-Chlorotoluene	1.226	1.080	1.317	1.300	1.309	1.246	8.01
76)	1,3,5-Trimethylb...	1.275	1.181	1.499	1.466	1.453	1.375	10.12
77)	t-1,4-Dichloro-2...	0.209	0.196	0.247	0.252	0.258	0.232	12.00
78)	4-Chlorotoluene	1.220	1.108	1.372	1.339	1.345	1.276	8.70
79)	tert-butylbenzene	1.025	0.987	1.271	1.250	1.244	1.156	11.89
80)	1,2,4-Trimethylb...	1.238	1.178	1.523	1.476	1.486	1.380	11.56
81)	sec-Butylbenzene	1.576	1.473	1.845	1.794	1.711	1.680	9.16
82)	p-Isopropyltoluene	1.224	1.267	1.534	1.519	1.446	1.398	10.30
83) M	1,3-Dichlorobenzene	0.782	0.717	0.840	0.823	0.782	0.789	6.06
84) M	1,4-Dichlorobenzene	0.791	0.714	0.852	0.823	0.788	0.794	6.53
85)	n-Butylbenzene	1.118	1.152	1.432	1.368	1.307	1.275	10.68
86) T	Hexachloroethane	0.269	0.227	0.281	0.278	0.267	0.265	8.21
87) M	1,2-Dichlorobenzene	0.719	0.670	0.805	0.781	0.743	0.744	7.10
88)	1,2-Dibromo-3-Ch...	0.130	0.122	0.143	0.142	0.147	0.137	7.58
89)	1,2,4-Trichlorob...	0.399	0.379	0.416	0.449	0.460	0.421	7.97
90)	Hexachlorobutadiene	0.123	0.112	0.132	0.129	0.129	0.125	6.28
91) M	Naphthalene	1.425	1.442	1.726	1.806	1.881	1.656	12.71
92)	1,2,3-Trichlorob...	0.399	0.379	0.416	0.449	0.460	0.421	7.97

(#) = Out of Range