

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N031722W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Thu Mar 17 06:37:08 2022
 Response Via : Initial Calibration

Calibration Files

5 =VN071337.D 20 =VN071338.D 50 =VN071339.D 100 =VN071340.D 150 =VN071341.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.672	1.967	1.944	1.995	2.122	1.940	8.51
3) M	Chloromethane	2.541	2.609	2.536	2.532	2.720	2.588	3.11
4) M	Vinyl Chloride	2.237	2.397	2.338	2.356	2.555	2.377	4.87
5) M	Bromomethane	1.309	1.293	1.230	1.110	1.014	1.191	10.60
6) M	Chloroethane	1.416	1.479	1.436	1.386	1.515	1.446	3.52
7) M	Trichlorofluorom...	2.884	2.990	2.915	2.991	3.205	2.997	4.18
8) T	Diethyl Ether	1.277	1.249	1.272	1.305	1.406	1.302	4.72
9)	1,1,2-Trichlorot...	1.642	1.667	1.652	1.681	1.786	1.685	3.46
10) M	1,1-Dichloroethene	1.667	1.688	1.670	1.697	1.854	1.715	4.57
11)	Methyl Iodide	2.038	2.259	2.378	2.444	2.690	2.362	10.15
12)	Methyl Acetate	3.668	3.197	3.073	3.091	3.384	3.283	7.56
13) M	Acrolein	0.414	0.427	0.419	0.427	0.464	0.430	4.59
14) M	Acrylonitrile	1.335	1.334	1.329	1.355	1.490	1.368	5.02
15) M	Acetone	0.357	0.349	0.349	0.356	0.387	0.360	4.39
16) M	Carbon Disulfide	4.251	4.418	4.550	4.764	5.209	4.638	7.98
17)	Allyl chloride	3.247	3.462	3.472	3.582	3.910	3.535	6.86
18) M	Methylene Chloride	2.153	2.060	2.008	2.035	2.202	2.091	3.95
19) M	trans-1,2-Dichlo...	1.710	1.756	1.777	1.810	1.960	1.803	5.29
20) T	Diisopropyl ether	6.872	6.804	7.026	7.147	7.721	7.114	5.13
21) M	1,1-Dichloroethane	3.594	3.788	3.692	3.764	4.090	3.785	4.92
22) M	cis-1,2-Dichloro...	2.146	2.134	2.106	2.176	2.364	2.185	4.71
23) M	tert-Butyl Alcohol	0.457	0.484	0.490	0.515	0.584	0.506	9.54
24) M	Methyl tert-Buty...	6.285	6.388	6.388	6.539	7.132	6.546	5.19
25) M	Chloroform	3.633	3.633	3.493	3.562	3.857	3.636	3.75
26)	Cyclohexane	3.223	3.337	3.380	3.460	3.733	3.427	5.59
27) s	1,2-Dichloroetha...	2.393	2.380	2.428	2.346	2.363	2.382	1.31
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.459	0.476	0.463	0.485	0.530	0.483	5.89
30) M	2-Butanone	0.339	0.337	0.327	0.336	0.371	0.342	4.92
31)	2,2-Dichloropropane	0.463	0.455	0.427	0.441	0.478	0.453	4.30
32) M	1,1,1-Trichloroe...	0.559	0.563	0.532	0.554	0.607	0.563	4.85
33) M	Carbon Tetrachlo...	0.447	0.478	0.464	0.479	0.526	0.479	6.16
34) M	Benzene	1.507	1.495	1.420	1.462	1.588	1.494	4.18
35)	Methacrylonitrile	0.326	0.333	0.336	0.311	0.350	0.331	4.34
36) M	1,2-Dichloroethane	0.550	0.533	0.504	0.516	0.565	0.534	4.61
37) M	Trichloroethene	0.346	0.346	0.342	0.359	0.388	0.356	5.25
38)	Methylcyclohexane	0.523	0.561	0.571	0.596	0.645	0.579	7.79
39) M	1,2-Dichloropropane	0.393	0.397	0.376	0.388	0.427	0.396	4.74
40)	Dibromomethane	0.251	0.249	0.238	0.246	0.269	0.251	4.54
41) M	Bromodichloromet...	0.482	0.499	0.484	0.506	0.556	0.505	5.97
42) M	Vinyl Acetate	1.052	1.107	1.082	1.122	1.222	1.117	5.79
43)	Ethyl Acetate	0.660	0.658	0.650	0.652	0.704	0.665	3.36
44)	Isopropyl Acetate	1.177	1.037	0.984	1.023	1.124	1.069	7.38
45) T	1,4-Dioxane	0.009	0.010	0.009	0.009	0.010	0.010#	5.04
46)	Methyl methacrylate	0.453	0.439	0.447	0.464	0.562	0.473	10.68
47)	n-amyl Acetate	0.553	0.661	0.703	0.776	0.854	0.709	16.08
48) M	t-1,3-Dichloropr...	0.493	0.523	0.534	0.567	0.633	0.550	9.70
49) T	cis-1,3-Dichloro...	0.538	0.576	0.577	0.608	0.677	0.595	8.70
50) M	1,1,2-Trichloroe...	0.365	0.356	0.348	0.360	0.396	0.365	4.98
51)	Ethyl methacrylate	0.540	0.597	0.612	0.653	0.737	0.628	11.66
52)	1,3-Dichloropropane	0.643	0.648	0.631	0.650	0.713	0.657	4.90
53) M	Dibromochloromet...	0.340	0.370	0.367	0.391	0.435	0.380	9.32
54) M	1,2-Dibromoethane	0.364	0.366	0.361	0.379	0.422	0.378	6.72
55) M	2-Chloroethyl vi...	0.146	0.167	0.187	0.210	0.242	0.190	19.78
56) M	Bromoform	0.258	0.273	0.283	0.308	0.346	0.293	11.71

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		-----ISTD-----							
57) I	Chlorobenzene-d5								
58) M	4-Methyl-2-Penta...	0.711	0.731	0.698	0.705	0.756	0.720		3.26
59) M	2-Hexanone	0.524	0.536	0.519	0.533	0.564	0.535		3.25
60) S	4-Bromofluoroben...	0.433	0.458	0.468	0.482	0.476	0.463		4.13
61) M	Tetrachloroethene	0.343	0.325	0.316	0.320	0.332	0.327		3.20
62) M	Toluene	1.750	1.749	1.657	1.675	1.745	1.715		2.65
63) S	Toluene-d8	1.454	1.406	1.391	1.354	1.295	1.380		4.31
64) M	Chlorobenzene	1.030	1.034	1.001	1.037	1.100	1.040		3.49
65)	1,1,1,2-Tetrachl...	0.372	0.389	0.370	0.386	0.413	0.386		4.55
66) M	Ethyl Benzene	1.776	1.879	1.833	1.922	2.040	1.890		5.29
67) M	m/p-Xylenes	0.659	0.703	0.690	0.723	0.777	0.710		6.18
68) M	o-Xylene	0.668	0.717	0.684	0.722	0.783	0.715		6.22
69) M	Styrene	0.950	1.092	1.109	1.188	1.294	1.127		11.25
70)	Isopropylbenzene	1.630	1.791	1.779	1.860	1.982	1.808		7.10
71) M	1,1,2,2-Tetrachl...	0.656	0.639	0.613	0.610	0.618	0.627		3.10
72)	1,2,3-Trichlorop...	0.589	0.519	0.566	0.578	0.599	0.570		5.46
73)	Bromobenzene	0.402	0.412	0.405	0.435	0.462	0.423		5.97
74)	n-propylbenzene	1.693	1.933	1.959	2.110	2.271	1.993		10.80
75)	2-Chlorotoluene	1.155	1.229	1.218	1.285	1.359	1.249		6.15
76)	1,3,5-Trimethylb...	1.278	1.424	1.411	1.493	1.571	1.435		7.56
77)	t-1,4-Dichloro-2...	0.158	0.175	0.191	0.204	0.216	0.189		12.12
78)	4-Chlorotoluene	1.008	1.104	1.140	1.231	1.306	1.158		9.91
79)	tert-butylbenzene	1.193	1.294	1.286	1.343	1.439	1.311		6.84
80)	1,2,4-Trimethylb...	1.202	1.406	1.373	1.455	1.526	1.392		8.70
81)	sec-Butylbenzene	1.494	1.673	1.735	1.860	1.963	1.745		10.28
82)	p-Isopropyltoluene	1.159	1.353	1.403	1.520	1.583	1.403		11.71
83) M	1,3-Dichlorobenzene	0.604	0.671	0.683	0.735	0.763	0.691		8.93
84) M	1,4-Dichlorobenzene	0.565	0.629	0.653	0.704	0.739	0.658		10.24
85)	n-Butylbenzene	0.752	0.939	1.070	1.203	1.260	1.045		19.66
86) T	Hexachloroethane	0.236	0.251	0.265	0.285	0.300	0.267		9.63
87) M	1,2-Dichlorobenzene	0.608	0.672	0.663	0.688	0.722	0.671		6.20
88)	1,2-Dibromo-3-Ch...	0.104	0.117	0.118	0.127	0.136	0.120		9.89
89)	1,2,4-Trichlorob...	0.206	0.284	0.314	0.358	0.392	0.310		23.04
90)	Hexachlorobutadiene	0.169	0.172	0.177	0.181	0.178	0.175		2.70
91) M	Naphthalene	0.527	0.832	1.019	1.176	1.305	0.972		31.43
92)	1,2,3-Trichlorob...	0.224	0.293	0.317	0.364	0.394	0.318		20.64

(#) = Out of Range