

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N050823W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue May 09 05:58:09 2023
 Response Via : Initial Calibration

Calibration Files

5 =VN077608.D 20 =VN077610.D 50 =VN077611.D 100 =VN077612.D 10 =VN077609.D

Compound		5	20	50	100	10	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.928	1.948	2.008	1.925	2.039	1.970	2.60
3) M	Chloromethane	1.565	1.414	1.458	1.377	1.671	1.497	8.02
4) M	Vinyl Chloride	2.562	2.159	2.195	2.076	2.525	2.303	9.72
5) M	Bromomethane	1.621	1.443	1.520	1.501	1.592	1.535	4.67
6) M	Chloroethane	1.736	1.360	1.425	1.366	1.636	1.505	11.39
7) M	Trichlorofluorom...	3.125	3.109	2.743	2.761	3.924	3.133	15.29
8) T	Diethyl Ether	1.035	0.897	1.003	0.967	1.034	0.987	5.82
9)	1,1,2-Trichlorot...	1.851	1.542	1.672	1.576	1.814	1.691	8.19
10) M	1,1-Dichloroethene	1.657	1.458	1.623	1.542	1.711	1.598	6.23
11)	Methyl Iodide	2.594	2.277	2.541	2.428	2.589	2.486	5.41
12)	Methyl Acetate	1.996	1.852	1.907	1.852	2.054	1.932	4.64
13) M	Acrolein	0.254	0.212	0.234	0.230	0.253	0.237	7.37
14) M	Acrylonitrile	0.575	0.564	0.599	0.580	0.620	0.588	3.77
15) M	Acetone	0.205	0.170	0.173	0.159	0.184	0.178	9.65
16) M	Carbon Disulfide	4.049	3.406	3.809	3.721	4.213	3.840	8.09
17)	Allyl chloride	1.848	1.522	1.620	1.486	1.820	1.659	10.08
18) M	Methylene Chloride	2.011	1.767	1.841	1.743	2.352	1.943	12.96
19) M	trans-1,2-Dichlo...	1.955	1.691	1.740	1.702	1.902	1.798	6.79
20) T	Diisopropyl ether	4.189	3.983	3.992	3.763	4.250	4.035	4.78
21) M	1,1-Dichloroethane	2.987	2.821	3.006	2.853	3.132	2.960	4.25
22) M	cis-1,2-Dichloro...	2.180	2.081	2.167	2.073	2.333	2.167	4.84
23) M	tert-Butyl Alcohol	0.197	0.225	0.243	0.231	0.255	0.230	9.54
24) M	Methyl tert-Buty...	5.452	5.270	5.427	5.213	5.690	5.410	3.44
25) M	Chloroform	3.616	3.435	3.521	3.382	3.687	3.528	3.55
26)	Cyclohexane	2.574	2.315	2.341	2.285	2.633	2.430	6.63
27) s	1,2-Dichloroetha...	2.212	2.159	2.165	2.026	2.224	2.157	3.64
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.427	0.422	0.427	0.425	0.458	0.432	3.45
30) M	2-Butanone	0.110	0.120	0.116	0.112	0.118	0.115	3.49
31)	2,2-Dichloropropane	0.511	0.490	0.500	0.488	0.527	0.503	3.19
32) M	1,1,1-Trichloroe...	0.571	0.545	0.566	0.559	0.553	0.559	1.81
33) M	Carbon Tetrachlo...	0.466	0.471	0.477	0.477	0.472	0.473	0.98
34) M	Benzene	1.343	1.306	1.285	1.257	1.329	1.304	2.64
35)	Methacrylonitrile	0.129	0.143	0.125	0.127	0.129	0.131	5.60
36) M	1,2-Dichloroethane	0.449	0.436	0.417	0.410	0.461	0.435	4.95
37) M	Trichloroethene	0.349	0.329	0.329	0.323	0.355	0.337	4.20
38)	Methylcyclohexane	0.564	0.537	0.547	0.548	0.583	0.556	3.27
39) M	1,2-Dichloropropane	0.319	0.305	0.299	0.286	0.300	0.302	3.95
40)	Dibromomethane	0.246	0.238	0.234	0.232	0.241	0.238	2.43
41) M	Bromodichloromet...	0.480	0.484	0.469	0.474	0.490	0.479	1.68
42) M	Vinyl Acetate	0.431	0.436	0.419	0.415	0.434	0.427	2.25
43)	Ethyl Acetate	0.255	0.248	0.240	0.241	0.253	0.247	2.74
44)	Isopropyl Acetate	0.453	0.459	0.454	0.441	0.457	0.453	1.55
45) T	1,4-Dioxane	0.005	0.005	0.006	0.006	0.006	0.006	6.97
46)	Methyl methacrylate	0.203	0.220	0.199	0.193	0.202	0.203	4.89
47)	n-amyl Acetate	0.359	0.402	0.396	0.405	0.388	0.390	4.69
48) M	t-1,3-Dichloropr...	0.443	0.473	0.500	0.506	0.495	0.483	5.34
49) T	cis-1,3-Dichloro...	0.503	0.523	0.541	0.537	0.545	0.530	3.17
50) M	1,1,2-Trichloroe...	0.341	0.348	0.337	0.332	0.356	0.343	2.79
51)	Ethyl methacrylate	0.426	0.450	0.445	0.450	0.442	0.442	2.21
52)	1,3-Dichloropropane	0.567	0.556	0.546	0.531	0.572	0.554	2.96
53) M	Dibromochloromet...	0.335	0.364	0.364	0.364	0.356	0.357	3.54
54) M	1,2-Dibromoethane	0.331	0.350	0.340	0.339	0.343	0.340	1.96
55) M	2-Chloroethyl vi...	0.203	0.212	0.207	0.210	0.168	0.200	9.18
56) M	Bromoform	0.188	0.210	0.217	0.231	0.203	0.210	7.71

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		-----ISTD-----							
57) I	Chlorobenzene-d5								
58) M	4-Methyl-2-Penta...	0.269	0.284	0.277	0.266	0.285	0.276		3.18
59) M	2-Hexanone	0.199	0.200	0.201	0.191	0.206	0.199		2.84
60) S	4-Bromofluoroben...	0.452	0.475	0.488	0.492	0.478	0.477		3.28
61) M	Tetrachloroethene	0.299	0.280	0.292	0.277	0.303	0.290		3.86
62) M	Toluene	1.732	1.586	1.673	1.610	1.704	1.661		3.72
63) S	Toluene-d8	1.401	1.377	1.401	1.352	1.398	1.386		1.53
64) M	Chlorobenzene	1.050	0.981	1.018	0.994	1.065	1.021		3.49
65)	1,1,1,2-Tetrachl...	0.360	0.372	0.368	0.369	0.374	0.368		1.40
66) M	Ethyl Benzene	1.819	1.794	1.851	1.827	1.911	1.840		2.41
67) M	m/p-Xylenes	0.702	0.706	0.744	0.723	0.745	0.724		2.81
68) M	o-Xylene	0.697	0.697	0.733	0.721	0.719	0.714		2.27
69) M	Styrene	1.061	1.098	1.187	1.189	1.170	1.141		5.09
70)	Isopropylbenzene	1.842	1.794	1.893	1.856	1.882	1.853		2.11
71) M	1,1,2,2-Tetrachl...	0.498	0.483	0.497	0.488	0.519	0.497		2.76
72)	1,2,3-Trichlorop...	0.539	0.414	0.412	0.347	0.357	0.414		18.47
73)	Bromobenzene	0.378	0.373	0.390	0.391	0.405	0.388		3.21
74)	n-propylbenzene	1.939	1.951	2.124	2.155	2.193	2.072		5.74
75)	2-Chlorotoluene	1.211	1.210	1.288	1.278	1.280	1.253		3.13
76)	1,3,5-Trimethylb...	1.347	1.391	1.554	1.548	1.484	1.465		6.36
77)	t-1,4-Dichloro-2...	0.127	0.140	0.155	0.163	0.135	0.144		10.46
78)	4-Chlorotoluene	1.168	1.157	1.248	1.248	1.299	1.224		4.91
79)	tert-butylbenzene	1.265	1.236	1.342	1.343	1.373	1.312		4.42
80)	1,2,4-Trimethylb...	1.320	1.311	1.513	1.548	1.416	1.422		7.62
81)	sec-Butylbenzene	1.761	1.686	1.890	1.929	1.941	1.841		6.11
82)	p-Isopropyltoluene	1.290	1.344	1.513	1.578	1.600	1.465		9.56
83) M	1,3-Dichlorobenzene	0.667	0.668	0.736	0.760	0.768	0.720		6.83
84) M	1,4-Dichlorobenzene	0.672	0.642	0.720	0.741	0.748	0.705		6.51
85)	n-Butylbenzene	1.138	1.010	1.190	1.320	1.369	1.205		11.93
86) T	Hexachloroethane	0.253	0.254	0.280	0.290	0.288	0.273		6.62
87) M	1,2-Dichlorobenzene	0.655	0.659	0.714	0.720	0.744	0.699		5.66
88)	1,2-Dibromo-3-Ch...	0.087	0.088	0.089	0.093	0.094	0.090		3.35
89)	1,2,4-Trichlorob...	0.206	0.195	0.251	0.310	0.242	0.241		18.85
90)	Hexachlorobutadiene	0.152	0.111	0.114	0.124	0.177	0.136		20.75
91) M	Naphthalene	0.653	0.674	0.930	1.116	0.737	0.822		24.00
92)	1,2,3-Trichlorob...	0.189	0.180	0.235	0.288	0.216	0.222		19.48

(#) = Out of Range