

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N042624W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue May 14 11:29:16 2024
 Response Via : Initial Calibration

Calibration Files

5 =VN081898.D 20 =VN081897.D 50 =VN081896.D 100 =VN081895.D 150 =VN081894.D

	Compound	5	20	50	100	150	Avg	%RSD
1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.905	1.684	1.635	1.659	1.631	1.703	6.76
3) M	Chloromethane	2.101	1.916	1.895	1.907	2.056	1.975	4.88
4) M	Vinyl Chloride	2.074	1.797	1.757	1.832	1.868	1.866	6.63
5) M	Bromomethane	1.326	0.973	0.882	0.844	0.842	0.974	20.97
6) M	Chloroethane	1.141	1.067	0.989	1.039	1.046	1.056	5.26
7) M	Trichlorofluorom...	2.976	2.732	2.640	2.709	2.591	2.730	5.44
8) T	Diethyl Ether	1.406	1.330	1.241	1.277	1.353	1.322	4.87
9)	1,1,2-Trichlorot...	2.365	1.902	1.694	1.771	1.635	1.874	15.62
10) M	1,1-Dichloroethene	2.172	1.782	1.733	1.732	1.745	1.833	10.40
11)	Methyl Iodide	1.403	1.454	1.607	1.869	2.040	1.675	16.30
12)	Methyl Acetate	2.665	2.232	2.197	2.302	2.321	2.344	7.97
13) M	Acrolein	0.533	0.463	0.481	0.474	0.490	0.488	5.54
14) M	Acrylonitrile	1.074	1.041	1.024	1.032	1.061	1.046	1.97
15) M	Acetone	0.233	0.240	0.231	0.236	0.240	0.236	1.76
16) M	Carbon Disulfide	6.320	4.861	4.661	4.770	4.751	5.073	13.82
17)	Allyl chloride	3.711	3.388	2.993	3.150	3.165	3.281	8.48
18) M	Methylene Chloride	2.325	1.999	1.951	2.007	2.134	2.083	7.25
19) M	trans-1,2-Dichlo...	2.375	1.794	1.735	1.820	1.817	1.908	13.79
20) T	Diisopropyl ether	7.175	7.012	6.866	7.077	7.432	7.112	2.97
21) M	1,1-Dichloroethane	3.829	3.799	3.622	3.714	3.866	3.766	2.61
22) M	cis-1,2-Dichloro...	2.595	2.246	2.241	2.270	2.301	2.331	6.42
23) M	tert-Butyl Alcohol	0.445	0.450	0.417	0.419	0.424	0.431	3.54
24) M	Methyl tert-Buty...	6.795	6.701	6.252	6.503	6.758	6.602	3.42
25) M	Chloroform	3.737	3.619	3.460	3.605	3.694	3.623	2.92
26)	Cyclohexane	3.642	3.154	3.090	3.342	2.957	3.237	8.21
27) s	1,2-Dichloroetha...	2.523	2.470	2.473	2.523	2.570	2.512	1.64
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.489	0.440	0.432	0.441	0.431	0.447	5.45
30) M	2-Butanone	0.234	0.233	0.223	0.228	0.234	0.230	2.07
31)	2,2-Dichloropropane	0.480	0.443	0.442	0.464	0.460	0.458	3.48
32) M	1,1,1-Trichloroe...	0.521	0.512	0.499	0.520	0.516	0.514	1.77
33) M	Carbon Tetrachlo...	0.439	0.418	0.402	0.420	0.406	0.417	3.46
34) M	Benzene	1.471	1.433	1.374	1.419	1.428	1.425	2.45
35)	Methacrylonitrile	0.285	0.285	0.282	0.298	0.306	0.291	3.50
36) M	1,2-Dichloroethane	0.494	0.468	0.458	0.475	0.497	0.478	3.49
37) M	Trichloroethene	0.438	0.343	0.315	0.327	0.322	0.349	14.50
38)	Methylcyclohexane	0.595	0.535	0.516	0.551	0.501	0.540	6.72
39) M	1,2-Dichloropropane	0.381	0.351	0.354	0.365	0.376	0.366	3.62
40)	Dibromomethane	0.251	0.228	0.226	0.232	0.239	0.235	4.29
41) M	Bromodichloromet...	0.513	0.485	0.481	0.505	0.526	0.502	3.74
42) M	Vinyl Acetate	1.007	0.959	0.934	0.987	1.013	0.980	3.40
43)	Ethyl Acetate	0.530	0.486	0.486	0.504	0.511	0.504	3.67
44)	Isopropyl Acetate	0.913	0.884	0.853	0.886	0.920	0.891	2.96
45) T	1,4-Dioxane	0.008	0.007	0.007	0.007	0.007	0.007	3.50
46)	Methyl methacrylate	0.398	0.401	0.400	0.415	0.422	0.407	2.61
47)	n-amyl Acetate	0.744	0.779	0.808	0.838	0.849	0.804	5.37
48) M	t-1,3-Dichloropr...	0.552	0.523	0.520	0.550	0.577	0.544	4.31
49) T	cis-1,3-Dichloro...	0.567	0.566	0.555	0.589	0.602	0.576	3.33
50) M	1,1,2-Trichloroe...	0.320	0.317	0.306	0.319	0.330	0.319	2.69
51)	Ethyl methacrylate	0.592	0.589	0.585	0.614	0.628	0.601	3.06
52)	1,3-Dichloropropane	0.600	0.573	0.563	0.586	0.605	0.585	2.98
53) M	Dibromochloromet...	0.346	0.329	0.338	0.351	0.369	0.347	4.37
54) M	1,2-Dibromoethane	0.311	0.315	0.310	0.320	0.334	0.318	3.08
55) M	2-Chloroethyl vi...	0.316	0.300	0.288	0.297	0.302	0.301	3.35
56) M	Bromoform	0.199	0.207	0.209	0.216	0.223	0.211	4.35

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57) I	Chlorobenzene-d5	-----ISTD-----							
58) M	4-Methyl-2-Penta...	0.602	0.594	0.559	0.569	0.589	0.582		3.09
59) M	2-Hexanone	0.438	0.440	0.418	0.423	0.439	0.432		2.40
60) S	4-Bromofluoroben...	0.490	0.489	0.510	0.497	0.511	0.499		2.14
61) M	Tetrachloroethene	0.364	0.346	0.312	0.321	0.322	0.333		6.48
62) M	Toluene	1.885	1.700	1.581	1.623	1.652	1.688		7.00
63) S	Toluene-d8	1.463	1.436	1.416	1.381	1.428	1.425		2.12
64) M	Chlorobenzene	1.089	1.050	0.985	1.010	1.029	1.032		3.86
65)	1,1,1,2-Tetrachl...	0.360	0.344	0.325	0.326	0.334	0.338		4.32
66) M	Ethyl Benzene	1.951	1.914	1.771	1.809	1.807	1.850		4.19
67) M	m/p-Xylenes	0.745	0.699	0.657	0.667	0.663	0.686		5.33
68) M	o-Xylene	0.726	0.702	0.652	0.658	0.655	0.679		4.95
69) M	Styrene	1.185	1.140	1.105	1.117	1.149	1.139		2.74
70)	Isopropylbenzene	1.795	1.774	1.690	1.697	1.663	1.724		3.33
71) M	1,1,2,2-Tetrachl...	0.514	0.517	0.470	0.476	0.504	0.496		4.44
72)	1,2,3-Trichlorop...	0.411	0.395	0.438	0.388	0.397	0.406		4.91
73)	Bromobenzene	0.414	0.363	0.349	0.353	0.365	0.369		7.10
74)	n-propylbenzene	2.018	2.077	1.991	2.048	2.042	2.035		1.59
75)	2-Chlorotoluene	1.326	1.273	1.216	1.232	1.243	1.258		3.44
76)	1,3,5-Trimethylb...	1.414	1.435	1.368	1.383	1.376	1.395		2.03
77)	t-1,4-Dichloro-2...	0.202	0.204	0.200	0.207	0.220	0.207		3.90
78)	4-Chlorotoluene	1.278	1.225	1.199	1.224	1.237	1.233		2.33
79)	tert-butylbenzene	1.305	1.239	1.156	1.174	1.133	1.201		5.81
80)	1,2,4-Trimethylb...	1.492	1.409	1.364	1.378	1.364	1.401		3.85
81)	sec-Butylbenzene	1.738	1.696	1.633	1.694	1.658	1.684		2.38
82)	p-Isopropyltoluene	1.333	1.371	1.311	1.338	1.305	1.332		1.97
83) M	1,3-Dichlorobenzene	0.707	0.683	0.648	0.634	0.651	0.664		4.47
84) M	1,4-Dichlorobenzene	0.676	0.675	0.646	0.664	0.678	0.668		1.97
85)	n-Butylbenzene	1.129	1.201	1.215	1.259	1.277	1.216		4.77
86) T	Hexachloroethane	0.266	0.271	0.259	0.268	0.264	0.266		1.76
87) M	1,2-Dichlorobenzene	0.697	0.668	0.647	0.637	0.659	0.662		3.44
88)	1,2-Dibromo-3-Ch...	0.113	0.118	0.101	0.111	0.115	0.111		5.87
89)	1,2,4-Trichlorob...	0.363	0.361	0.361	0.361	0.377	0.364		1.92
90)	Hexachlorobutadiene	0.163	0.129	0.129	0.128	0.126	0.135		11.74
91) M	Naphthalene	1.310	1.405	1.356	1.385	1.470	1.385		4.30
92)	1,2,3-Trichlorob...	0.363	0.361	0.361	0.361	0.377	0.364		1.92

(#) = Out of Range