

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N092723W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Wed Sep 27 23:50:58 2023
 Response Via : Initial Calibration

Calibration Files

5 =VN079360.D 20 =VN079359.D 50 =VN079355.D 10 =VN079357.D

Compound		5	20	50	10	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----					
2) M	Dichlorodifluoro...	1.921	1.834	1.825	1.826	1.851	2.50
3) M	Chloromethane	2.432	2.294	2.305	2.466	2.374	3.68
4) M	Vinyl Chloride	2.634	2.500	2.584	2.688	2.602	3.07
5) M	Bromomethane	1.798	1.486	1.482	1.761	1.632	10.51
6) M	Chloroethane	2.049	1.734	1.699	1.932	1.853	8.94
7) M	Trichlorofluorom...	3.094	3.015	3.036	3.187	3.083	2.51
8) T	Diethyl Ether	1.083	1.103	1.097	1.119	1.100	1.33
9)	1,1,2-Trichlorot...	1.808	1.677	1.682	1.751	1.729	3.59
10) M	1,1-Dichloroethene	1.507	1.596	1.616	1.674	1.598	4.32
11)	Methyl Iodide	1.645	1.808	2.043	1.719	1.804	9.58
12)	Methyl Acetate	3.595	3.600	3.571	3.782	3.637	2.67
13) M	Acrolein	0.355	0.365	0.379	0.360	0.365	2.77
14) M	Acrylonitrile	0.902	0.938	0.957	0.988	0.946	3.80
15) M	Acetone	0.317	0.302	0.307	0.312	0.310	2.15
16) M	Carbon Disulfide	4.817	4.635	4.842	5.073	4.842	3.71
17)	Allyl chloride	2.381	2.628	2.654	2.601	2.566	4.89
18) M	Methylene Chloride	2.139	1.999	2.011	2.163	2.078	4.08
19) M	trans-1,2-Dichlo...	1.878	1.825	1.874	1.896	1.868	1.62
20) T	Diisopropyl ether	5.764	6.113	6.336	6.064	6.069	3.87
21) M	1,1-Dichloroethane	3.645	3.565	3.655	3.763	3.657	2.22
22) M	cis-1,2-Dichloro...	2.138	2.065	2.172	2.133	2.127	2.11
23) M	tert-Butyl Alcohol	0.302	0.297	0.307	0.335	0.310	5.46
24) M	Methyl tert-Buty...	5.218	5.456	5.602	5.605	5.470	3.33
25) M	Chloroform	3.714	3.679	3.739	3.802	3.733	1.39
26)	Cyclohexane	2.641	2.821	2.982	2.823	2.817	4.96
27) s	1,2-Dichloroetha...	2.460	2.438	2.422	2.525	2.461	1.85
28) I	1,4-Difluorobenzene	-----ISTD-----					
29)	1,1-Dichloropropene	0.490	0.508	0.519	0.505	0.505	2.31
30) M	2-Butanone	0.255	0.252	0.249	0.244	0.250	1.98
31)	2,2-Dichloropropane	0.567	0.557	0.566	0.541	0.558	2.17
32) M	1,1,1-Trichloroe...	0.576	0.591	0.594	0.582	0.586	1.44
33) M	Carbon Tetrachlo...	0.501	0.505	0.512	0.511	0.508	1.01
34) M	Benzene	1.519	1.525	1.540	1.541	1.531	0.71
35)	Methacrylonitrile	0.276	0.263	0.255	0.242	0.259	5.54
36) M	1,2-Dichloroethane	0.567	0.546	0.547	0.558	0.555	1.82
37) M	Trichloroethene	0.372	0.357	0.354	0.357	0.360	2.25
38)	Methylcyclohexane	0.472	0.495	0.538	0.477	0.496	6.09
39) M	1,2-Dichloropropane	0.411	0.406	0.405	0.403	0.406	0.80
40)	Dibromomethane	0.270	0.266	0.266	0.275	0.269	1.59
41) M	Bromodichloromet...	0.540	0.553	0.547	0.551	0.548	1.07
42) M	Vinyl Acetate	0.630	0.675	0.712	0.685	0.676	5.10
43)	Ethyl Acetate	0.510	0.448	0.498	0.537	0.498	7.46
44)	Isopropyl Acetate	0.761	0.819	0.814	0.809	0.801	3.34
45) T	1,4-Dioxane	0.006	0.007	0.007	0.007	0.007	2.46
46)	Methyl methacrylate	0.348	0.374	0.390	0.343	0.364	6.10
47)	n-amyl Acetate	0.472	0.590	0.685	0.533	0.570	15.88
48) M	t-1,3-Dichloropr...	0.552	0.545	0.583	0.546	0.556	3.25
49) T	cis-1,3-Dichloro...	0.554	0.601	0.637	0.596	0.597	5.66
50) M	1,1,2-Trichloroe...	0.364	0.369	0.368	0.367	0.367	0.63
51)	Ethyl methacrylate	0.450	0.509	0.557	0.479	0.499	9.16
52)	1,3-Dichloropropane	0.662	0.643	0.656	0.658	0.655	1.25
53) M	Dibromochloromet...	0.344	0.375	0.387	0.380	0.372	5.11
54) M	1,2-Dibromoethane	0.338	0.365	0.363	0.366	0.358	3.81
55) M	2-Chloroethyl vi...	0.170	0.195	0.225	0.185	0.194	12.06
56) M	Bromoform	0.210	0.241	0.258	0.238	0.237	8.33

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		-----ISTD-----					
57) I	Chlorobenzene-d5						
58) M	4-Methyl-2-Penta...	0.505	0.546	0.546	0.550	0.537	3.94
59) M	2-Hexanone	0.367	0.389	0.398	0.382	0.384	3.42
60) S	4-Bromofluoroben...	0.392	0.442	0.469	0.409	0.428	8.02
61) M	Tetrachloroethene	0.340	0.324	0.321	0.353	0.335	4.49
62) M	Toluene	1.824	1.783	1.774	1.808	1.797	1.27
63) S	Toluene-d8	1.490	1.469	1.458	1.479	1.474	0.93
64) M	Chlorobenzene	1.029	1.008	1.029	1.060	1.031	2.08
65)	1,1,1,2-Tetrachl...	0.385	0.379	0.391	0.388	0.386	1.36
66) M	Ethyl Benzene	1.711	1.842	1.953	1.765	1.818	5.78
67) M	m/p-Xylenes	0.611	0.697	0.729	0.651	0.672	7.74
68) M	o-Xylene	0.587	0.665	0.695	0.640	0.647	7.10
69) M	Styrene	0.871	1.065	1.166	0.973	1.019	12.39
70)	Isopropylbenzene	1.476	1.683	1.823	1.600	1.645	8.84
71) M	1,1,2,2-Tetrachl...	0.602	0.577	0.578	0.601	0.589	2.38
72)	1,2,3-Trichlorop...	0.564	0.516	0.505	0.520	0.526	4.90
73)	Bromobenzene	0.375	0.386	0.415	0.364	0.385	5.66
74)	n-propylbenzene	1.731	2.002	2.206	1.852	1.948	10.50
75)	2-Chlorotoluene	1.111	1.199	1.296	1.151	1.189	6.72
76)	1,3,5-Trimethylb...	1.207	1.415	1.535	1.312	1.367	10.27
77)	t-1,4-Dichloro-2...	0.137	0.162	0.176	0.150	0.156	10.58
78)	4-Chlorotoluene	0.971	1.124	1.258	1.068	1.105	10.83
79)	tert-butylbenzene	0.973	1.127	1.248	1.183	1.133	10.34
80)	1,2,4-Trimethylb...	1.105	1.359	1.509	1.377	1.338	12.62
81)	sec-Butylbenzene	1.424	1.613	1.812	1.652	1.625	9.82
82)	p-Isopropyltoluene	1.120	1.269	1.479	1.286	1.289	11.42
83) M	1,3-Dichlorobenzene	0.566	0.653	0.741	0.645	0.651	10.95
84) M	1,4-Dichlorobenzene	0.495	0.615	0.710	0.623	0.611	14.46
85)	n-Butylbenzene	0.786	0.991	1.233	0.941	0.988	18.78
86) T	Hexachloroethane	0.251	0.262	0.275	0.280	0.267	5.02
87) M	1,2-Dichlorobenzene	0.540	0.646	0.714	0.675	0.643	11.59
88)	1,2-Dibromo-3-Ch...	0.084	0.092	0.094	0.094	0.091	5.43
89)	1,2,4-Trichlorob...	0.172	0.263	0.300	0.215	0.238	23.58
90)	Hexachlorobutadiene	0.170	0.182	0.168	0.165	0.171	4.41
91) M	Naphthalene	0.368	0.552	0.774	0.461	0.539	32.23
92)	1,2,3-Trichlorob...	0.172	0.263	0.300	0.215	0.238	23.58

(#) = Out of Range