

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N061121W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Sat Jun 12 09:13:15 2021
 Response Via : Initial Calibration

Calibration Files

5 =VN067301.D 20 =VN067302.D 50 =VN067303.D 100 =VN067304.D 150 =VN067305.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	2.248	2.073	2.263	2.314	2.290	2.238	4.26
3) M	Chloromethane	2.487	2.209	2.425	2.469	2.408	2.399	4.63
4) M	Vinyl Chloride	2.407	2.181	2.395	2.424	2.437	2.369	4.49
5) M	Bromomethane	1.394	1.127	1.167	1.167	1.090	1.189	10.00
6) M	Chloroethane	1.416	1.276	1.405	1.432	1.386	1.383	4.50
7) M	Trichlorofluorom...	3.243	2.905	3.217	3.222	3.231	3.164	4.58
8) T	Diethyl Ether	1.349	1.200	1.299	1.299	1.300	1.289	4.22
9)	1,1,2-Trichlorot...	1.932	1.734	1.895	1.891	1.901	1.871	4.18
10) M	1,1-Dichloroethene	1.788	1.706	1.848	1.861	1.883	1.817	3.94
11)	Methyl Iodide	1.891	1.888	2.269	2.435	2.445	2.185	12.77
12)	Methyl Acetate	2.766	2.490	2.710	2.762	2.751	2.696	4.35
13) M	Acrolein	0.356	0.299	0.305	0.307	0.340	0.322	7.76
14) M	Acrylonitrile	1.120	1.035	1.152	1.171	1.181	1.132	5.19
15) M	Acetone	0.289	0.259	0.287	0.293	0.288	0.283	4.83
16) M	Carbon Disulfide	5.733	5.289	5.827	5.980	5.979	5.761	4.93
17)	Allyl chloride	4.102	3.602	3.961	4.055	4.049	3.954	5.14
18) M	Methylene Chloride	2.444	2.037	2.226	2.206	2.234	2.229	6.49
19) M	trans-1,2-Dichlo...	1.991	1.840	1.988	2.044	2.042	1.981	4.21
20) T	Diisopropyl ether	7.464	7.059	7.721	7.981	8.140	7.673	5.59
21) M	1,1-Dichloroethane	4.368	3.954	4.261	4.320	4.345	4.249	4.00
22) M	cis-1,2-Dichloro...	2.486	2.201	2.329	2.358	2.393	2.354	4.40
23) M	tert-Butyl Alcohol	0.545	0.440	0.495	0.533	0.496	0.502	8.17
24) M	Methyl tert-Buty...	7.939	7.119	7.746	7.839	7.961	7.721	4.49
25) M	Chloroform	4.526	4.012	4.377	4.389	4.450	4.351	4.56
26)	Cyclohexane	3.771	3.376	3.747	3.746	3.773	3.683	4.67
27) s	1,2-Dichloroetha...	3.184	3.240	3.137	3.111	3.091	3.153	1.90
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.542	0.477	0.555	0.557	0.554	0.537	6.31
30) M	2-Butanone	0.281	0.243	0.283	0.286	0.286	0.276	6.71
31)	2,2-Dichloropropane	0.619	0.528	0.587	0.576	0.565	0.575	5.76
32) M	1,1,1-Trichloroe...	0.705	0.631	0.696	0.693	0.686	0.682	4.33
33) M	Carbon Tetrachlo...	0.580	0.519	0.586	0.592	0.591	0.574	5.40
34) M	Benzene	1.544	1.376	1.549	1.547	1.536	1.510	4.98
35)	Methacrylonitrile	0.309	0.267	0.303	0.310	0.297	0.297	5.83
36) M	1,2-Dichloroethane	0.681	0.566	0.654	0.653	0.659	0.643	6.87
37) M	Trichloroethene	0.373	0.326	0.362	0.364	0.364	0.358	5.02
38)	Methylcyclohexane	0.587	0.490	0.568	0.561	0.559	0.553	6.68
39) M	1,2-Dichloropropane	0.418	0.369	0.415	0.419	0.417	0.408	5.31
40)	Dibromomethane	0.297	0.253	0.282	0.284	0.284	0.280	5.77
41) M	Bromodichloromet...	0.607	0.546	0.622	0.620	0.623	0.604	5.45
42) M	Vinyl Acetate	1.157	1.043	1.183	1.209	1.209	1.160	5.92
43)	Ethyl Acetate	0.521	0.509	0.613	0.581	0.579	0.561	7.81
44)	Isopropyl Acetate	1.056	0.923	1.061	1.068	1.077	1.037	6.20
45) T	1,4-Dioxane	0.006	0.006	0.007	0.007	0.007	0.007#	7.78
46)	Methyl methacrylate	0.456	0.399	0.471	0.481	0.494	0.460	8.00
47)	n-amyl Acetate	0.850	0.740	0.900	0.954	0.952	0.879	10.13
48) M	t-1,3-Dichloropr...	0.658	0.592	0.678	0.696	0.710	0.667	6.94
49) T	cis-1,3-Dichloro...	0.667	0.590	0.692	0.698	0.703	0.670	6.99
50) M	1,1,2-Trichloroe...	0.373	0.326	0.375	0.371	0.374	0.364	5.75
51)	Ethyl methacrylate	0.668	0.587	0.673	0.692	0.702	0.665	6.83
52)	1,3-Dichloropropane	0.673	0.592	0.679	0.679	0.690	0.663	6.00
53) M	Dibromochloromet...	0.397	0.357	0.415	0.425	0.429	0.405	7.29
54) M	1,2-Dibromoethane	0.386	0.334	0.386	0.395	0.395	0.379	6.76
55) M	2-Chloroethyl vi...	0.157	0.137	0.170	0.188	0.189	0.168	13.02
56) M	Bromoform	0.256	0.234	0.280	0.299	0.303	0.275	10.62

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N061121W.M

		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.665	0.591	0.678	0.682	0.681	0.659	5.86
59) M	2-Hexanone	0.472	0.424	0.490	0.501	0.498	0.477	6.63
60) S	4-Bromofluoroben...	0.571	0.571	0.572	0.593	0.589	0.579	1.86
61) M	Tetrachloroethene	0.378	0.334	0.353	0.343	0.331	0.348	5.47
62) M	Toluene	1.853	1.622	1.850	1.836	1.815	1.795	5.45
63) S	Toluene-d8	1.442	1.441	1.439	1.431	1.400	1.431	1.23
64) M	Chlorobenzene	1.082	0.932	1.081	1.088	1.091	1.055	6.53
65)	1,1,1,2-Tetrachl...	0.407	0.361	0.410	0.409	0.406	0.399	5.29
66) M	Ethyl Benzene	2.160	1.872	2.131	2.142	2.119	2.085	5.75
67) M	m/p-Xylenes	0.742	0.655	0.759	0.766	0.756	0.735	6.22
68) M	o-Xylene	0.766	0.650	0.747	0.762	0.746	0.734	6.50
69) M	Styrene	1.227	1.094	1.260	1.300	1.292	1.234	6.78
70)	Isopropylbenzene	1.912	1.685	1.940	1.962	1.958	1.891	6.19
71) M	1,1,2,2-Tetrachl...	0.576	0.509	0.584	0.605	0.603	0.575	6.76
72)	1,2,3-Trichlorop...	0.614	0.507	0.585	0.567	0.594	0.573	7.09
73)	Bromobenzene	0.395	0.346	0.402	0.414	0.410	0.394	6.94
74)	n-propylbenzene	2.251	1.994	2.345	2.404	2.372	2.273	7.31
75)	2-Chlorotoluene	1.478	1.270	1.455	1.509	1.484	1.439	6.71
76)	1,3,5-Trimethylb...	1.627	1.415	1.639	1.684	1.647	1.603	6.69
77)	t-1,4-Dichloro-2...	0.183	0.169	0.209	0.219	0.218	0.200	11.21
78)	4-Chlorotoluene	1.405	1.248	1.468	1.532	1.503	1.431	7.89
79)	tert-butylbenzene	1.293	1.148	1.317	1.356	1.324	1.287	6.32
80)	1,2,4-Trimethylb...	1.605	1.398	1.618	1.667	1.622	1.582	6.66
81)	sec-Butylbenzene	1.788	1.568	1.834	1.875	1.872	1.787	7.13
82)	p-Isopropyltoluene	1.439	1.257	1.475	1.524	1.510	1.441	7.50
83) M	1,3-Dichlorobenzene	0.699	0.610	0.731	0.760	0.748	0.710	8.48
84) M	1,4-Dichlorobenzene	0.707	0.615	0.729	0.762	0.747	0.712	8.14
85)	n-Butylbenzene	1.334	1.145	1.378	1.431	1.415	1.341	8.61
86) T	Hexachloroethane	0.296	0.247	0.298	0.316	0.317	0.295	9.62
87) M	1,2-Dichlorobenzene	0.684	0.606	0.716	0.740	0.716	0.692	7.53
88)	1,2-Dibromo-3-Ch...	0.147	0.130	0.150	0.154	0.149	0.146	6.41
89)	1,2,4-Trichlorob...	0.316	0.302	0.366	0.391	0.386	0.352	11.64
90)	Hexachlorobutadiene	0.187	0.162	0.193	0.198	0.195	0.187	7.74
91) M	Naphthalene	1.101	0.986	1.218	1.314	1.293	1.182	11.66
92)	1,2,3-Trichlorob...	0.316	0.291	0.351	0.378	0.376	0.343	11.12

(#) = Out of Range