

Method Path : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\
 Method File : 624N100518W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Oct 05 11:11:26 2018
 Response Via : Initial Calibration

Calibration Files

5 =VN051673.D 20 =VN051674.D 50 =VN051675.D
 100 =VN051676.D 150 =VN051677.D

	Compound	5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	1.370	2.158	1.742	1.773	1.706	1.750	16.00
3) M	Chloromethane	1.676	1.943	1.805	1.725	1.441	1.718	10.77
4) M	Vinyl Chloride	2.631	2.772	2.751	2.649	2.262	2.613	7.87
5) M	Bromomethane	2.209	2.027	2.058	2.059	1.803	2.031	7.19
6) M	Chloroethane	1.782	1.863	1.858	1.762	1.492	1.751	8.65
7) M	Trichlorofluorometh	2.614	3.021	2.891	3.907	2.529	2.992	18.35
8) T	Diethyl Ether	0.840	0.864	0.815	0.798	0.679	0.799	8.97
9)	1,1,2-Trichlorotrif	1.716	1.687	1.540	1.464	1.266	1.535	11.91
10) M	1,1-Dichloroethene	1.574	1.516	1.392	1.352	1.168	1.400	11.29
11)	Methyl Iodide	1.427	1.702	1.970	2.039	1.850	1.798	13.54
12)	Methyl Acetate	1.205	1.134	1.129	1.104	0.953	1.105	8.41
13) M	Acrolein	0.100	0.081	0.077	0.079	0.069	0.081	14.01
14) M	Acrylonitrile	0.459	0.447	0.470	0.466	0.413	0.451	5.10
15) M	Acetone	0.130	0.112	0.112	0.100	0.086	0.108	15.06
16) M	Carbon Disulfide	4.171	4.292	4.089	3.963	3.514	4.006	7.49
17)	Allyl chloride	2.032	2.188	2.121	2.069	1.802	2.042	7.18
18) M	Methylene Chloride	1.650	1.646	1.637	1.577	1.390	1.580	6.97
19) M	trans-1,2-Dichloroe	1.647	1.639	1.601	1.590	1.437	1.583	5.37
20) T	Diisopropyl ether	4.907	4.649	4.598	4.635	4.149	4.588	5.98
21) M	1,1-Dichloroethane	3.004	2.938	2.962	2.891	2.520	2.863	6.84
22) M	cis-1,2-Dichloroeth	2.022	1.889	1.887	1.846	1.668	1.863	6.83
23) M	tert-Butyl Alcohol	0.087	0.125	0.130	0.126	0.115	0.117	15.11
24) M	Methyl tert-Butyl E	4.766	4.674	4.538	4.495	4.010	4.496	6.51
25) M	Chloroform	3.409	3.265	3.277	3.252	2.984	3.237	4.79
26)	Cyclohexane	2.476	2.505	2.515	2.468	2.200	2.433	5.42
27) s	1,2-Dichloroethane-	2.144	2.102	2.105	2.121	1.939	2.082	3.92

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.386	0.396	0.413	0.405	0.393	0.399	2.60
30) M	2-Butanone	0.113	0.097	0.098	0.092	0.086	0.097	10.16
31)	2,2-Dichloropropane	0.559	0.520	0.504	0.464	0.436	0.497	9.66
32) M	1,1,1-Trichloroetha	0.560	0.530	0.533	0.532	0.525	0.536	2.54
33) M	Carbon Tetrachlorid	0.483	0.486	0.496	0.488	0.478	0.486	1.37
34) M	Benzene	1.181	1.166	1.233	1.253	1.198	1.206	2.97
35)	Methacrylonitrile	0.110	0.101	0.105	0.103	0.117	0.107	5.88
36) M	1,2-Dichloroethane	0.410	0.391	0.411	0.417	0.389	0.404	3.11
37) M	Trichloroethene	0.336	0.338	0.339	0.335	0.329	0.335	1.22
38)	Methylcyclohexane	0.508	0.505	0.518	0.506	0.487	0.505	2.25
39) M	1,2-Dichloropropane	0.300	0.297	0.304	0.297	0.279	0.295	3.20
40)	Dibromomethane	0.203	0.195	0.209	0.209	0.206	0.204	2.77
41) M	Bromodichloromethan	0.462	0.441	0.464	0.461	0.454	0.456	2.04
42) M	Vinyl Acetate	0.585	0.561	0.584	0.582	0.550	0.572	2.79
43)	Ethyl Acetate	0.178	0.208	0.224	0.211	0.200	0.204	8.38
44)	Isopropyl Acetate	0.464	0.452	0.468	0.458	0.418	0.452	4.34
45) T	1,4-Dioxane	0.003	0.003	0.003	0.003	0.003	0.003#	7.57
46)	Methyl methacrylate	0.195	0.196	0.213	0.208	0.196	0.201	4.16
47)	n-amyl Acetate	0.334	0.346	0.418	0.427	0.394	0.384	10.91
48) M	t-1,3-Dichloroprope	0.397	0.434	0.483	0.509	0.485	0.461	9.82
49) T	cis-1,3-Dichloropro	0.483	0.476	0.507	0.518	0.504	0.497	3.54
50) M	1,1,2-Trichloroetha	0.273	0.264	0.296	0.311	0.296	0.288	6.67
51)	Ethyl methacrylate	0.334	0.342	0.374	0.403	0.380	0.367	7.78
52)	1,3-Dichloropropane	0.442	0.435	0.472	0.485	0.460	0.459	4.54

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	Compound	5	20	50	100	150	Avg	%RSD
53) M	Dibromochloromethan	0.342	0.339	0.383	0.424	0.404	0.379	9.92
54) M	1,2-Dibromoethane	0.267	0.277	0.309	0.337	0.322	0.302	9.79
55) M	2-Chloroethyl vinyl	0.143	0.143	0.157	0.159	0.158	0.152	5.31
56) M	Bromoform	0.215	0.228	0.285	0.323	0.307	0.271	17.71
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.279	0.248	0.252	0.231	0.221	0.246	9.00
59) M	2-Hexanone	0.191	0.166	0.172	0.156	0.149	0.167	9.72
60) S	4-Bromofluorobenzen	0.397	0.424	0.490	0.496	0.482	0.458	9.76
61) M	Tetrachloroethene	0.400	0.354	0.349	0.335	0.330	0.353	7.83
62) M	Toluene	1.562	1.498	1.532	1.527	1.480	1.520	2.09
63) S	Toluene-d8	1.422	1.357	1.306	1.287	1.287	1.332	4.36
64) M	Chlorobenzene	0.979	0.941	0.981	0.999	0.976	0.975	2.16
65)	1,1,1,2-Tetrachloro	0.404	0.377	0.397	0.411	0.396	0.397	3.19
66) M	Ethyl Benzene	1.732	1.644	1.739	1.749	1.684	1.709	2.59
67) M	m/p-Xylenes	0.642	0.648	0.724	0.720	0.684	0.684	5.63
68) M	o-Xylene	0.651	0.644	0.703	0.703	0.670	0.674	4.12
69) M	Styrene	0.960	0.987	1.156	1.156	1.121	1.076	8.85
70)	Isopropylbenzene	1.719	1.677	1.932	1.915	1.817	1.812	6.29
71) M	1,1,2,2-Tetrachloro	0.372	0.357	0.397	0.394	0.372	0.378	4.40
72)	1,2,3-Trichloroprop	0.305	0.296	0.316	0.306	0.288	0.302	3.58
73)	Bromobenzene	0.383	0.392	0.462	0.479	0.463	0.436	10.26
74)	n-propylbenzene	1.820	1.855	2.175	2.122	2.002	1.995	7.89
75)	2-Chlorotoluene	1.063	1.080	1.271	1.243	1.170	1.166	8.02
76)	1,3,5-Trimethylbenz	1.399	1.427	1.697	1.632	1.533	1.538	8.33
77)	t-1,4-Dichloro-2-bu	0.088	0.100	0.128	0.125	0.122	0.113	15.67
78)	4-Chlorotoluene	0.959	1.060	1.323	1.282	1.217	1.168	13.19
79)	tert-butylbenzene	1.305	1.271	1.515	1.440	1.384	1.383	7.19
80)	1,2,4-Trimethylbenz	1.343	1.405	1.720	1.640	1.539	1.529	10.28
81)	sec-Butylbenzene	1.672	1.723	2.084	1.939	1.832	1.850	9.00
82)	p-Isopropyltoluene	1.390	1.490	1.841	1.759	1.671	1.630	11.48
83) M	1,3-Dichlorobenzene	0.579	0.686	0.897	0.881	0.854	0.779	17.95
84) M	1,4-Dichlorobenzene	0.525	0.646	0.868	0.855	0.830	0.745	20.42
85)	n-Butylbenzene	1.009	1.172	1.471	1.420	1.369	1.288	14.96
86) T	Hexachloroethane	0.298	0.296	0.356	0.341	0.320	0.322	8.15
87) M	1,2-Dichlorobenzene	0.600	0.676	0.878	0.852	0.812	0.764	15.73
88)	1,2-Dibromo-3-Chlor	0.055	0.057	0.070	0.067	0.063	0.062	10.24
89)	1,2,4-Trichlorobenz	0.156	0.282	0.370	0.430	0.449	0.337	35.65
90)	Hexachlorobutadiene	0.219	0.220	0.238	0.245	0.239	0.232	5.11
91) M	Naphthalene	0.354	0.599	0.777	0.916	0.960	0.721	34.49
92)	1,2,3-Trichlorobenz	0.180	0.291	0.354	0.404	0.420	0.329	29.66

(#) = Out of Range