

Method Path : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\
 Method File : 624X061818W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Mon Jun 18 15:18:02 2018
 Response Via : Initial Calibration

Calibration Files

5 =VX002677.D 20 =VX002678.D 50 =VX002679.D
 100 =VX002680.D 150 =VX002681.D

	Compound	5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	1.636	1.419	1.357	1.385	1.363	1.432	8.14
3) M	Chloromethane	1.748	1.594	1.494	1.493	1.444	1.554	7.79
4) M	Vinyl Chloride	1.850	1.763	1.666	1.705	1.676	1.732	4.37
5) M	Bromomethane	1.199	1.013	0.942	0.952	0.953	1.012	10.71
6) M	Chloroethane	1.158	1.202	1.138	1.177	1.149	1.165	2.17
7) M	Trichlorofluorometh	3.124	3.179	2.998	3.071	3.020	3.079	2.41
8) T	Diethyl Ether	1.100	1.121	1.067	1.097	1.104	1.098	1.78
9)	1,1,2-Trichlorotrif	1.833	1.770	1.711	1.764	1.732	1.762	2.62
10) M	1,1-Dichloroethene	1.598	1.573	1.503	1.545	1.535	1.551	2.34
11)	Methyl Iodide	1.184	1.499	1.791	2.153	2.303	1.786	25.76
12)	Methyl Acetate	2.146	2.693	2.560	2.623	2.563	2.517	8.51
13) M	Acrolein	0.275	0.154	0.154	0.158	0.155	0.179	29.91
14) M	Acrylonitrile	0.895	0.976	0.937	0.974	0.951	0.947	3.51
15) M	Acetone	0.267	0.284	0.258	0.258	0.249	0.263	5.03
16) M	Carbon Disulfide	4.048	3.757	3.724	3.915	3.973	3.883	3.58
17)	Allyl chloride	3.019	3.164	3.029	3.110	3.110	3.086	1.99
18) M	Methylene Chloride	1.886	1.803	1.690	1.747	1.750	1.775	4.15
19) M	trans-1,2-Dichloroe	1.656	1.681	1.633	1.687	1.658	1.663	1.30
20) T	Diisopropyl ether	6.065	5.675	5.502	5.749	5.764	5.751	3.55
21) M	1,1-Dichloroethane	3.282	3.376	2.880	2.931	2.992	3.092	7.19
22) M	cis-1,2-Dichloroeth	1.754	1.820	1.741	1.811	1.812	1.788	2.08
23) M	tert-Butyl Alcohol	0.444	0.460	0.410	0.430	0.405	0.430	5.38
24) M	Methyl tert-Butyl E	5.583	5.907	5.663	5.958	5.841	5.791	2.78
25) M	Chloroform	2.970	3.197	3.031	3.158	3.162	3.103	3.15
26)	Cyclohexane	2.639	2.668	2.547	2.641	2.641	2.627	1.77
27) s	1,2-Dichloroethane-	2.334	2.289	2.248	2.290	2.293	2.291	1.32

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.398	0.413	0.400	0.411	0.404	0.405	1.59
30) M	2-Butanone	0.223	0.240	0.233	0.236	0.227	0.232	3.07
31)	2,2-Dichloropropane	0.419	0.445	0.434	0.437	0.430	0.433	2.23
32) M	1,1,1-Trichloroetha	0.452	0.498	0.489	0.505	0.502	0.489	4.43
33) M	Carbon Tetrachlorid	0.412	0.434	0.438	0.458	0.457	0.440	4.31
34) M	Benzene	1.191	1.228	1.186	1.204	1.189	1.200	1.45
35)	Methacrylonitrile	0.224	0.264	0.252	0.262	0.260	0.252	6.44
36) M	1,2-Dichloroethane	0.469	0.485	0.466	0.472	0.463	0.471	1.83
37) M	Trichloroethene	0.346	0.355	0.347	0.358	0.350	0.351	1.55
38)	Methylcyclohexane	0.493	0.487	0.490	0.500	0.494	0.493	0.99
39) M	1,2-Dichloropropane	0.302	0.325	0.310	0.315	0.312	0.313	2.68
40)	Dibromomethane	0.208	0.222	0.217	0.221	0.219	0.217	2.54
41) M	Bromodichloromethan	0.361	0.404	0.410	0.434	0.434	0.408	7.29
42) M	Vinyl Acetate	0.911	0.877	0.859	0.880	0.868	0.879	2.25
43)	Ethyl Acetate	0.389	0.462	0.452	0.460	0.453	0.443	6.90
44)	Isopropyl Acetate	0.662	0.751	0.749	0.780	0.773	0.743	6.33
45) T	1,4-Dioxane	0.007	0.008	0.007	0.008	0.007	0.007#	5.06
46)	Methyl methacrylate	0.326	0.390	0.385	0.401	0.396	0.380	8.06
47)	n-amyl Acetate	0.556	0.677	0.711	0.776	0.786	0.701	13.27
48) M	t-1,3-Dichloroprope	0.412	0.477	0.482	0.510	0.516	0.480	8.64
49) T	cis-1,3-Dichloropro	0.369	0.426	0.456	0.490	0.499	0.448	11.83
50) M	1,1,2-Trichloroetha	0.306	0.325	0.317	0.327	0.328	0.321	2.89
51)	Ethyl methacrylate	0.414	0.480	0.489	0.521	0.518	0.484	8.93
52)	1,3-Dichloropropane	0.495	0.535	0.525	0.534	0.531	0.524	3.17

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	Compound	5	20	50	100	150	Avg	%RSD
53) M	Dibromochloromethan	0.280	0.322	0.345	0.374	0.381	0.340	12.03
54) M	1,2-Dibromoethane	0.311	0.339	0.339	0.351	0.350	0.338	4.72
55) M	2-Chloroethyl vinyl	0.197	0.231	0.236	0.243	0.242	0.230	8.25
56) M	Bromoform	0.206	0.246	0.271	0.310	0.326	0.272	17.86
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.447	0.525	0.519	0.530	0.525	0.509	6.84
59) M	2-Hexanone	0.340	0.404	0.397	0.405	0.402	0.389	7.18
60) S	4-Bromofluorobenzene	0.480	0.482	0.494	0.509	0.512	0.495	2.94
61) M	Tetrachloroethene	0.418	0.420	0.408	0.409	0.404	0.412	1.76
62) M	Toluene	1.414	1.489	1.435	1.445	1.448	1.446	1.89
63) S	Toluene-d8	1.311	1.331	1.315	1.304	1.291	1.310	1.13
64) M	Chlorobenzene	0.940	0.980	0.948	0.969	0.967	0.961	1.68
65)	1,1,1,2-Tetrachloro	0.305	0.355	0.355	0.370	0.375	0.352	7.88
66) M	Ethyl Benzene	1.515	1.665	1.635	1.663	1.664	1.629	3.97
67) M	m/p-Xylenes	0.584	0.641	0.636	0.651	0.653	0.633	4.47
68) M	o-Xylene	0.564	0.620	0.618	0.639	0.642	0.617	5.04
69) M	Styrene	0.894	1.016	1.040	1.090	1.104	1.029	8.12
70)	Isopropylbenzene	1.549	1.716	1.707	1.752	1.778	1.700	5.24
71) M	1,1,2,2-Tetrachloro	0.458	0.519	0.502	0.528	0.535	0.508	6.06
72)	1,2,3-Trichloroprop	0.401	0.458	0.448	0.451	0.445	0.441	5.19
73)	Bromobenzene	0.437	0.472	0.474	0.489	0.493	0.473	4.70
74)	n-propylbenzene	1.817	1.986	1.968	2.053	2.045	1.974	4.82
75)	2-Chlorotoluene	1.060	1.156	1.143	1.195	1.189	1.149	4.73
76)	1,3,5-Trimethylbenz	1.281	1.440	1.453	1.517	1.527	1.444	6.84
77)	t-1,4-Dichloro-2-bu	0.098	0.134	0.145	0.163	0.169	0.142	20.04
78)	4-Chlorotoluene	1.253	1.329	1.356	1.425	1.441	1.361	5.61
79)	tert-butylbenzene	1.406	1.582	1.607	1.675	1.691	1.592	7.13
80)	1,2,4-Trimethylbenz	1.316	1.479	1.490	1.541	1.545	1.474	6.33
81)	sec-Butylbenzene	1.598	1.770	1.768	1.843	1.851	1.766	5.74
82)	p-Isopropyltoluene	1.406	1.582	1.607	1.675	1.691	1.592	7.13
83) M	1,3-Dichlorobenzene	0.800	0.863	0.865	0.907	0.915	0.870	5.24
84) M	1,4-Dichlorobenzene	0.810	0.861	0.880	0.918	0.926	0.879	5.32
85)	n-Butylbenzene	1.240	1.358	1.425	1.506	1.529	1.411	8.31
86) T	Hexachloroethane	0.179	0.224	0.245	0.273	0.285	0.241	17.38
87) M	1,2-Dichlorobenzene	0.811	0.876	0.873	0.910	0.924	0.879	4.95
88)	1,2-Dibromo-3-Chlor	0.087	0.107	0.118	0.129	0.128	0.114	15.33
89)	1,2,4-Trichlorobenz	0.582	0.655	0.664	0.704	0.711	0.663	7.76
90)	Hexachlorobutadiene	0.311	0.336	0.349	0.365	0.364	0.345	6.53
91) M	Naphthalene	1.442	1.744	1.815	1.894	1.895	1.758	10.67
92)	1,2,3-Trichlorobenz	0.579	0.648	0.670	0.699	0.704	0.660	7.69

(#) = Out of Range