

Method Path : W:\HPCHEM1\MSV0A_X\METHOD\
 Method File : 624X052518W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri May 25 02:17:15 2018
 Response Via : Initial Calibration

Calibration Files

5 =VX001956.D 20 =VX001957.D 50 =VX001958.D
 100 =VX001959.D 150 =VX001960.D

	Compound	5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	1.755	1.514	1.540	1.586	1.568	1.593	5.96
3) M	Chloromethane	2.091	1.799	1.862	1.869	1.851	1.895	5.96
4) M	Vinyl Chloride	2.015	1.808	1.839	1.880	1.882	1.885	4.19
5) M	Bromomethane	1.277	1.073	0.995	0.969	0.965	1.056	12.41
6) M	Chloroethane	1.237	1.081	1.101	1.096	1.060	1.115	6.28
7) M	Trichlorofluorometh	3.097	2.811	2.843	2.840	2.781	2.875	4.42
8) T	Diethyl Ether	1.189	1.042	1.061	1.055	1.062	1.082	5.59
9)	1,1,2-Trichlorotrif	1.671	1.505	1.519	1.537	1.508	1.548	4.53
10) M	1,1-Dichloroethene	1.573	1.449	1.469	1.479	1.492	1.493	3.20
11)	Methyl Iodide	1.978	2.140	2.459	2.569	2.578	2.345	11.57
12)	Methyl Acetate	2.578	2.305	2.422	2.366	2.426	2.419	4.20
13) M	Acrolein	0.251	0.191	0.194	0.193	0.200	0.206	12.42
14) M	Acrylonitrile	1.057	0.958	0.989	0.973	0.999	0.995	3.79
15) M	Acetone	0.290	0.257	0.263	0.256	0.261	0.265	5.27
16) M	Carbon Disulfide	4.560	4.067	4.176	4.212	4.296	4.262	4.36
17)	Allyl chloride	3.278	3.019	3.095	3.039	2.972	3.081	3.86
18) M	Methylene Chloride	1.784	1.623	1.665	1.650	1.666	1.678	3.69
19) M	trans-1,2-Dichloroe	1.656	1.522	1.566	1.559	1.587	1.578	3.13
20) T	Diisopropyl ether	6.353	5.657	5.818	5.768	5.814	5.882	4.61
21) M	1,1-Dichloroethane	3.347	3.044	3.097	3.066	3.100	3.131	3.93
22) M	cis-1,2-Dichloroeth	2.000	1.783	1.866	1.865	1.893	1.881	4.16
23) M	tert-Butyl Alcohol	0.541	0.504	0.514	0.491	0.532	0.516	3.91
24) M	Methyl tert-Butyl E	6.229	5.660	5.804	5.703	5.733	5.826	3.97
25) M	Chloroform	3.441	3.155	3.269	3.281	3.314	3.292	3.12
26)	Cyclohexane	3.016	2.782	2.866	2.887	2.856	2.882	2.95
27) s	1,2-Dichloroethane-	2.354	2.319	2.338	2.383	2.410	2.361	1.53

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.437	0.408	0.425	0.417	0.413	0.420	2.71
30) M	2-Butanone	0.316	0.288	0.295	0.280	0.284	0.293	4.85
31)	2,2-Dichloropropane	0.417	0.372	0.365	0.350	0.340	0.369	8.04
32) M	1,1,1-Trichloroetha	0.593	0.533	0.549	0.534	0.532	0.548	4.76
33) M	Carbon Tetrachlorid	0.529	0.490	0.498	0.489	0.484	0.498	3.61
34) M	Benzene	1.343	1.244	1.277	1.241	1.231	1.267	3.61
35)	Methacrylonitrile	0.353	0.312	0.328	0.312	0.314	0.324	5.42
36) M	1,2-Dichloroethane	0.507	0.489	0.501	0.488	0.485	0.494	1.93
37) M	Trichloroethene	0.371	0.355	0.363	0.357	0.351	0.360	2.13
38)	Methylcyclohexane	0.511	0.475	0.497	0.491	0.475	0.490	3.10
39) M	1,2-Dichloropropane	0.374	0.336	0.341	0.332	0.330	0.343	5.28
40)	Dibromomethane	0.244	0.226	0.230	0.224	0.225	0.230	3.57
41) M	Bromodichloromethan	0.502	0.467	0.480	0.467	0.469	0.477	3.13
42) M	Vinyl Acetate	1.004	0.928	0.938	0.890	0.872	0.926	5.52
43)	Ethyl Acetate	0.615	0.567	0.587	0.552	0.553	0.575	4.64
44)	Isopropyl Acetate	1.001	0.935	0.971	0.934	0.937	0.956	3.13
45) T	1,4-Dioxane	0.010	0.009	0.009	0.009	0.009	0.009#	3.62
46)	Methyl methacrylate	0.511	0.472	0.490	0.472	0.475	0.484	3.49
47)	n-amyl Acetate	0.892	0.836	0.900	0.879	0.888	0.879	2.88
48) M	t-1,3-Dichloroprope	0.553	0.522	0.542	0.533	0.531	0.536	2.20
49) T	cis-1,3-Dichloropro	0.523	0.498	0.532	0.517	0.524	0.519	2.43
50) M	1,1,2-Trichloroetha	0.343	0.317	0.335	0.327	0.329	0.330	2.92
51)	Ethyl methacrylate	0.587	0.553	0.580	0.566	0.572	0.572	2.29
52)	1,3-Dichloropropane	0.587	0.543	0.562	0.545	0.547	0.557	3.32

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	Compound	5	20	50	100	150	Avg	%RSD
53) M	Dibromochloromethan	0.406	0.384	0.409	0.407	0.409	0.403	2.70
54) M	1,2-Dibromoethane	0.371	0.345	0.362	0.353	0.356	0.357	2.71
55) M	2-Chloroethyl vinyl	0.277	0.274	0.271	0.259	0.261	0.268	2.89
56) M	Bromoform	0.335	0.329	0.359	0.367	0.384	0.355	6.43
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.719	0.658	0.660	0.617	0.610	0.653	6.69
59) M	2-Hexanone	0.552	0.503	0.514	0.481	0.482	0.507	5.76
60) S	4-Bromofluorobenzene	0.492	0.504	0.512	0.525	0.535	0.514	3.29
61) M	Tetrachloroethene	0.497	0.457	0.464	0.438	0.431	0.458	5.64
62) M	Toluene	1.639	1.501	1.541	1.498	1.482	1.532	4.13
63) S	Toluene-d8	1.374	1.336	1.342	1.317	1.318	1.337	1.73
64) M	Chlorobenzene	1.035	0.963	1.002	0.972	0.986	0.992	2.83
65)	1,1,1,2-Tetrachloro	0.430	0.395	0.403	0.392	0.397	0.404	3.82
66) M	Ethyl Benzene	1.814	1.677	1.741	1.690	1.688	1.722	3.31
67) M	m/p-Xylenes	0.672	0.632	0.660	0.651	0.654	0.654	2.24
68) M	o-Xylene	0.672	0.636	0.663	0.646	0.656	0.655	2.15
69) M	Styrene	1.109	1.045	1.112	1.103	1.127	1.099	2.88
70)	Isopropylbenzene	1.795	1.701	1.779	1.736	1.752	1.753	2.10
71) M	1,1,2,2-Tetrachloro	0.571	0.521	0.543	0.545	0.566	0.549	3.61
72)	1,2,3-Trichloroprop	0.506	0.558	0.491	0.469	0.563	0.517	8.05
73)	Bromobenzene	0.462	0.447	0.476	0.478	0.491	0.471	3.62
74)	n-propylbenzene	1.911	1.884	2.008	1.989	1.990	1.956	2.81
75)	2-Chlorotoluene	1.225	1.161	1.222	1.202	1.224	1.207	2.26
76)	1,3,5-Trimethylbenz	1.504	1.436	1.513	1.488	1.508	1.490	2.12
77)	t-1,4-Dichloro-2-bu	0.191	0.180	0.186	0.187	0.194	0.187	2.95
78)	4-Chlorotoluene	1.342	1.297	1.403	1.397	1.422	1.372	3.75
79)	tert-butylbenzene	1.491	1.485	1.604	1.606	1.626	1.563	4.37
80)	1,2,4-Trimethylbenz	1.479	1.453	1.533	1.516	1.551	1.506	2.64
81)	sec-Butylbenzene	1.695	1.686	1.793	1.769	1.791	1.747	3.00
82)	p-Isopropyltoluene	1.491	1.485	1.604	1.606	1.626	1.563	4.37
83) M	1,3-Dichlorobenzene	0.793	0.774	0.849	0.862	0.892	0.834	5.88
84) M	1,4-Dichlorobenzene	0.771	0.767	0.844	0.870	0.899	0.830	7.14
85)	n-Butylbenzene	1.172	1.213	1.352	1.389	1.426	1.310	8.54
86) T	Hexachloroethane	0.304	0.295	0.316	0.315	0.325	0.311	3.73
87) M	1,2-Dichlorobenzene	0.841	0.796	0.869	0.881	0.909	0.859	5.01
88)	1,2-Dibromo-3-Chlor	0.164	0.151	0.164	0.159	0.162	0.160	3.27
89)	1,2,4-Trichlorobenz	0.543	0.551	0.629	0.650	0.678	0.610	9.91
90)	Hexachlorobutadiene	0.299	0.300	0.332	0.340	0.352	0.325	7.50
91) M	Naphthalene	1.860	1.827	1.969	1.972	1.999	1.925	3.98
92)	1,2,3-Trichlorobenz	0.601	0.591	0.649	0.661	0.684	0.637	6.29

(#) = Out of Range