

Method Path : W:\HPCHEM1\MSV0A X\METHOD\
 Method File : 624X043018W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue May 01 09:17:40 2018
 Response Via : Initial Calibration

Calibration Files

5 =VX001255.D 20 =VX001256.D 50 =VX001257.D
 100 =VX001258.D 150 =VX001259.D

	Compound	5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	1.626	2.154	2.055	1.974	2.025	1.967	10.25
3) M	Chloromethane	1.819	1.980	1.832	1.698	1.849	1.836	5.46
4) M	Vinyl Chloride	1.905	2.067	1.934	1.842	1.880	1.926	4.46
5) M	Bromomethane	1.632	1.491	1.440	1.357	1.351	1.454	7.93
6) M	Chloroethane	1.193	1.227	1.188	1.121	1.162	1.178	3.34
7) M	Trichlorofluorometh	3.220	3.351	3.212	3.064	3.146	3.199	3.30
8) T	Diethyl Ether	1.190	1.135	1.094	1.043	1.091	1.111	4.95
9)	1,1,2-Trichlorotrif	1.987	1.851	1.788	1.703	1.739	1.814	6.17
10) M	1,1-Dichloroethene	1.730	1.661	1.636	1.565	1.624	1.643	3.66
11)	Methyl Iodide	1.499	1.837	2.101	2.210	2.347	1.999	16.81
12)	Methyl Acetate	2.113	2.225	2.205	2.089	2.170	2.160	2.69
13) M	Acrolein	0.236	0.265	0.264	0.258	0.266	0.258	4.88
14) M	Acrylonitrile	0.817	0.882	0.882	0.840	0.879	0.860	3.48
15) M	Acetone	0.284	0.278	0.271	0.249	0.255	0.268	5.60
16) M	Carbon Disulfide	4.261	4.351	4.370	4.322	4.549	4.371	2.47
17)	Allyl chloride	2.805	2.994	2.964	2.862	2.955	2.916	2.71
18) M	Methylene Chloride	1.974	1.853	1.765	1.654	1.708	1.791	7.04
19) M	trans-1,2-Dichloroe	1.856	1.806	1.750	1.696	1.751	1.772	3.46
20) T	Diisopropyl ether	5.779	5.756	5.665	5.591	5.903	5.739	2.06
21) M	1,1-Dichloroethane	3.338	3.287	3.105	2.813	2.877	3.084	7.64
22) M	cis-1,2-Dichloroeth	2.112	2.037	1.961	1.866	1.916	1.978	4.93
23) M	tert-Butyl Alcohol	0.308	0.356	0.373	0.347	0.373	0.351	7.64
24) M	Methyl tert-Butyl E	5.765	5.768	5.595	5.418	5.632	5.635	2.56
25) M	Chloroform	3.562	3.420	3.338	3.173	3.297	3.358	4.31
26)	Cyclohexane	2.921	2.851	2.794	2.681	2.773	2.804	3.19
27) s	1,2-Dichloroethane-	2.154	2.193	2.188	2.151	2.133	2.164	1.20

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.447	0.439	0.443	0.438	0.454	0.444	1.51
30) M	2-Butanone	0.220	0.232	0.231	0.222	0.233	0.228	2.64
31)	2,2-Dichloropropane	0.501	0.488	0.474	0.469	0.494	0.485	2.75
32) M	1,1,1-Trichloroetha	0.526	0.541	0.534	0.529	0.558	0.538	2.38
33) M	Carbon Tetrachlorid	0.476	0.470	0.482	0.485	0.511	0.485	3.28
34) M	Benzene	1.368	1.339	1.306	1.259	1.313	1.317	3.08
35)	Methacrylonitrile	0.243	0.252	0.252	0.247	0.270	0.253	4.12
36) M	1,2-Dichloroethane	0.532	0.509	0.496	0.485	0.505	0.505	3.43
37) M	Trichloroethene	0.435	0.402	0.391	0.376	0.392	0.399	5.48
38)	Methylcyclohexane	0.538	0.517	0.517	0.511	0.532	0.523	2.18
39) M	1,2-Dichloropropane	0.352	0.334	0.329	0.321	0.333	0.334	3.40
40)	Dibromomethane	0.242	0.237	0.232	0.227	0.236	0.235	2.35
41) M	Bromodichloromethan	0.422	0.438	0.439	0.446	0.475	0.444	4.38
42) M	Vinyl Acetate	0.876	0.905	0.880	0.880	0.939	0.896	2.96
43)	Ethyl Acetate	0.426	0.430	0.439	0.435	0.464	0.439	3.38
44)	Isopropyl Acetate	0.699	0.724	0.754	0.752	0.802	0.746	5.16
45) T	1,4-Dioxane	0.006	0.006	0.007	0.007	0.007	0.007#	8.04
46)	Methyl methacrylate	0.347	0.379	0.396	0.393	0.426	0.388	7.36
47)	n-amyl Acetate	0.581	0.676	0.726	0.764	0.834	0.716	13.28
48) M	t-1,3-Dichloroprope	0.474	0.505	0.527	0.535	0.572	0.523	6.95
49) T	cis-1,3-Dichloropro	0.435	0.480	0.509	0.520	0.559	0.501	9.27
50) M	1,1,2-Trichloroetha	0.350	0.355	0.344	0.336	0.360	0.349	2.72
51)	Ethyl methacrylate	0.438	0.482	0.494	0.514	0.558	0.497	8.82
52)	1,3-Dichloropropane	0.568	0.570	0.562	0.545	0.575	0.564	2.06

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	Compound	5	20	50	100	150	Avg	%RSD
53) M	Dibromochloromethan	0.339	0.367	0.389	0.400	0.430	0.385	8.88
54) M	1,2-Dibromoethane	0.369	0.368	0.373	0.367	0.390	0.373	2.59
55) M	2-Chloroethyl vinyl	0.234	0.245	0.241	0.244	0.254	0.244	2.94
56) M	Bromoform	0.241	0.285	0.320	0.344	0.387	0.315	17.65
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.437	0.504	0.507	0.508	0.535	0.498	7.29
59) M	2-Hexanone	0.339	0.387	0.398	0.400	0.416	0.388	7.50
60) S	4-Bromofluorobenzene	0.469	0.492	0.506	0.526	0.522	0.503	4.65
61) M	Tetrachloroethene	0.521	0.490	0.451	0.420	0.417	0.460	9.84
62) M	Toluene	1.681	1.619	1.592	1.563	1.606	1.612	2.71
63) S	Toluene-d8	1.299	1.284	1.273	1.301	1.276	1.287	1.01
64) M	Chlorobenzene	1.141	1.087	1.077	1.047	1.087	1.088	3.14
65)	1,1,1,2-Tetrachloro	0.376	0.402	0.397	0.398	0.413	0.397	3.39
66) M	Ethyl Benzene	1.811	1.797	1.801	1.766	1.823	1.800	1.19
67) M	m/p-Xylenes	0.713	0.703	0.718	0.706	0.735	0.715	1.78
68) M	o-Xylene	0.678	0.689	0.687	0.687	0.713	0.691	1.90
69) M	Styrene	1.071	1.134	1.146	1.172	1.227	1.150	4.94
70)	Isopropylbenzene	1.865	1.865	1.865	1.858	1.929	1.876	1.59
71) M	1,1,2,2-Tetrachloro	0.504	0.537	0.551	0.564	0.596	0.550	6.11
72)	1,2,3-Trichloroprop	0.423	0.510	0.523	0.456	0.550	0.493	10.50
73)	Bromobenzene	0.553	0.534	0.539	0.538	0.563	0.545	2.25
74)	n-propylbenzene	2.067	2.083	2.126	2.119	2.202	2.119	2.46
75)	2-Chlorotoluene	1.280	1.252	1.276	1.274	1.315	1.279	1.77
76)	1,3,5-Trimethylbenz	1.545	1.565	1.604	1.607	1.672	1.599	3.04
77)	t-1,4-Dichloro-2-bu	0.102	0.124	0.151	0.169	0.187	0.147	23.37
78)	4-Chlorotoluene	1.474	1.493	1.525	1.540	1.596	1.526	3.09
79)	tert-butylbenzene	1.607	1.673	1.741	1.721	1.812	1.711	4.47
80)	1,2,4-Trimethylbenz	1.553	1.624	1.652	1.621	1.685	1.627	2.99
81)	sec-Butylbenzene	1.807	1.825	1.864	1.860	1.926	1.856	2.46
82)	p-Isopropyltoluene	1.607	1.673	1.741	1.721	1.812	1.711	4.47
83) M	1,3-Dichlorobenzene	0.998	0.969	0.991	0.988	1.025	0.994	2.04
84) M	1,4-Dichlorobenzene	1.009	0.994	1.002	1.008	1.054	1.014	2.32
85)	n-Butylbenzene	1.365	1.392	1.499	1.530	1.611	1.479	6.84
86) T	Hexachloroethane	0.213	0.243	0.263	0.282	0.307	0.261	13.79
87) M	1,2-Dichlorobenzene	0.972	0.968	0.983	0.988	1.032	0.989	2.62
88)	1,2-Dibromo-3-Chlor	0.092	0.110	0.119	0.124	0.130	0.115	12.91
89)	1,2,4-Trichlorobenz	0.710	0.727	0.756	0.756	0.796	0.749	4.39
90)	Hexachlorobutadiene	0.343	0.325	0.351	0.348	0.372	0.348	4.79
91) M	Naphthalene	1.694	1.913	2.007	2.000	2.103	1.943	7.96
92)	1,2,3-Trichlorobenz	0.720	0.717	0.742	0.737	0.780	0.739	3.44

(#) = Out of Range