

Method Path : W:\HPCHEM1\MSV0A X\METHOD\
 Method File : 624X051818W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri May 18 10:06:03 2018
 Response Via : Initial Calibration

Calibration Files

5 =VX001805.D 20 =VX001807.D 50 =VX001808.D
 100 =VX001809.D 10 =VX001806.D

	Compound	5	20	50	100	10	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	0.783	0.832	0.765	0.850	0.907	0.827	6.81
3) M	Chloromethane	1.553	1.541	1.529	1.605	1.658	1.577	3.41
4) M	Vinyl Chloride	1.265	1.356	1.368	1.443	1.418	1.370	5.02
5) M	Bromomethane	0.849	0.948	0.650		1.148	0.899	23.07
6) M	Chloroethane	1.007	0.993	0.988	1.026	1.076	1.018	3.50
7) M	Trichlorofluorometh	1.451	1.521	1.479	1.566	1.626	1.529	4.56
8) T	Diethyl Ether	1.023	1.050	1.063	1.112	1.123	1.074	3.92
9)	1,1,2-Trichlorotrif	0.874	0.837	0.778	0.886	0.947	0.864	7.20
10) M	1,1-Dichloroethene	1.012	1.031	1.045	1.091	1.113	1.058	4.00
11)	Methyl Iodide	1.214	1.602	1.896	2.132	1.520	1.673	21.13
12)	Methyl Acetate	2.241	2.539	2.575	2.706	2.798	2.572	8.24
13) M	Acrolein	0.325	0.295	0.298	0.308	0.308	0.307	3.84
14) M	Acrylonitrile	0.920	0.960	0.964	1.010	1.042	0.979	4.86
15) M	Acetone	0.248	0.263	0.259	0.274	0.292	0.267	6.26
16) M	Carbon Disulfide	2.388	2.522	2.717	2.921	2.689	2.647	7.66
17)	Allyl chloride	2.260	2.299	2.388	2.491	2.391	2.366	3.80
18) M	Methylene Chloride	1.621	1.581	1.589	1.645	1.706	1.628	3.10
19) M	trans-1,2-Dichloroe	1.231	1.269	1.303	1.341	1.382	1.305	4.51
20) T	Diisopropyl ether	4.777	5.024	5.201	5.486	5.260	5.150	5.16
21) M	1,1-Dichloroethane	2.534	2.581	2.618	2.708	2.746	2.637	3.34
22) M	cis-1,2-Dichloroeth	1.553	1.648	1.708	1.817	1.744	1.694	5.90
23) M	tert-Butyl Alcohol	0.379	0.395	0.395	0.427	0.439	0.407	6.17
24) M	Methyl tert-Butyl E	4.800	4.958	4.983	5.210	5.241	5.038	3.68
25) M	Chloroform	2.659	2.768	2.801	2.893	2.930	2.810	3.81
26)	Cyclohexane	1.251	1.423	1.398	1.605	1.503	1.436	9.14
27) s	1,2-Dichloroethane-	1.903	1.940	1.918	1.973	1.961	1.939	1.50

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.322	0.337	0.344	0.349	0.349	0.340	3.36
30) M	2-Butanone	0.290	0.308	0.300	0.308	0.328	0.307	4.62
31)	2,2-Dichloropropane	0.226	0.208	0.205	0.206	0.231	0.215	5.82
32) M	1,1,1-Trichloroetha	0.448	0.446	0.439	0.444	0.478	0.451	3.44
33) M	Carbon Tetrachlorid	0.346	0.357	0.358	0.363	0.378	0.360	3.23
34) M	Benzene	1.319	1.356	1.338	1.341	1.441	1.359	3.52
35)	Methacrylonitrile	0.314	0.325	0.319	0.332	0.343	0.327	3.53
36) M	1,2-Dichloroethane	0.550	0.540	0.501	0.499	0.566	0.531	5.68
37) M	Trichloroethene	0.365	0.364	0.369	0.365	0.395	0.372	3.51
38)	Methylcyclohexane	0.293	0.314	0.297	0.346	0.319	0.314	6.72
39) M	1,2-Dichloropropane	0.363	0.357	0.352	0.360	0.379	0.362	2.79
40)	Dibromomethane	0.257	0.259	0.250	0.253	0.280	0.260	4.52
41) M	Bromodichloromethan	0.424	0.454	0.463	0.476	0.469	0.457	4.40
42) M	Vinyl Acetate	0.950	0.794	0.784	0.810	0.821	0.832	8.16
43)	Ethyl Acetate	0.578	0.582	0.563	0.582	0.619	0.585	3.55
44)	Isopropyl Acetate	0.786	0.847	0.860	0.906	0.842	0.848	5.10
45) T	1,4-Dioxane	0.010	0.010	0.010	0.011	0.011	0.010#	4.06
46)	Methyl methacrylate	0.397	0.450	0.457	0.478	0.449	0.446	6.74
47)	n-amyl Acetate	0.492	0.591	0.615	0.667	0.570	0.587	10.94
48) M	t-1,3-Dichloroprope	0.422	0.477	0.501	0.528	0.478	0.481	8.19
49) T	cis-1,3-Dichloropro	0.351	0.413	0.443	0.483	0.416	0.421	11.53
50) M	1,1,2-Trichloroetha	0.391	0.357	0.333	0.331	0.371	0.357	7.16
51)	Ethyl methacrylate	0.463	0.476	0.492	0.516	0.476	0.485	4.20
52)	1,3-Dichloropropane	0.572	0.568	0.540	0.543	0.605	0.566	4.66

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	Compound	5	20	50	100	10	Avg	%RSD
53) M	Dibromochloromethan	0.319	0.342	0.354	0.366	0.353	0.347	5.10
54) M	1,2-Dibromoethane	0.360	0.363	0.350	0.352	0.383	0.362	3.68
55) M	2-Chloroethyl vinyl	0.253	0.291	0.291	0.300	0.280	0.283	6.49
56) M	Bromoform	0.248	0.276	0.295	0.321	0.276	0.283	9.53
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.675	0.762	0.746	0.788	0.780	0.750	6.01
59) M	2-Hexanone	0.440	0.497	0.487	0.514	0.521	0.492	6.47
60) S	4-Bromofluorobenzene	0.428	0.444	0.447	0.461	0.450	0.446	2.65
61) M	Tetrachloroethene	0.429	0.435	0.437	0.440	0.468	0.442	3.43
62) M	Toluene	1.674	1.688	1.711	1.765	1.824	1.732	3.57
63) S	Toluene-d8	1.526	1.521	1.498	1.519	1.517	1.516	0.71
64) M	Chlorobenzene	0.995	0.997	0.992	1.024	1.064	1.015	3.02
65)	1,1,1,2-Tetrachloro	0.374	0.409	0.405	0.430	0.429	0.409	5.55
66) M	Ethyl Benzene	1.316	1.426	1.472	1.517	1.470	1.440	5.33
67) M	m/p-Xylenes	0.520	0.572	0.592	0.602	0.593	0.576	5.78
68) M	o-Xylene	0.538	0.582	0.604	0.629	0.610	0.593	5.90
69) M	Styrene	0.840	0.991	1.033	1.076	1.000	0.988	9.03
70)	Isopropylbenzene	1.248	1.390	1.411	1.450	1.450	1.390	6.00
71) M	1,1,2,2-Tetrachloro	0.640	0.616	0.591	0.636	0.676	0.632	5.00
72)	1,2,3-Trichloroprop	0.580	0.604	0.575	0.610	0.637	0.601	4.17
73)	Bromobenzene	0.471	0.479	0.490	0.505	0.520	0.493	4.00
74)	n-propylbenzene	1.254	1.461	1.477	1.555	1.488	1.447	7.85
75)	2-Chlorotoluene	0.913	0.992	0.996	1.035	1.047	0.997	5.28
76)	1,3,5-Trimethylbenz	1.020	1.154	1.176	1.231	1.198	1.156	7.01
77)	t-1,4-Dichloro-2-bu	0.097	0.122	0.138	0.163	0.122	0.128	18.99
78)	4-Chlorotoluene	0.979	1.094	1.116	1.167	1.139	1.099	6.57
79)	tert-butylbenzene	0.956	1.139	1.185	1.276	1.146	1.141	10.24
80)	1,2,4-Trimethylbenz	1.010	1.207	1.240	1.291	1.224	1.194	9.01
81)	sec-Butylbenzene	1.097	1.252	1.288	1.363	1.260	1.252	7.77
82)	p-Isopropyltoluene	0.956	1.139	1.185	1.276	1.146	1.141	10.24
83) M	1,3-Dichlorobenzene	0.720	0.750	0.771	0.806	0.792	0.768	4.46
84) M	1,4-Dichlorobenzene	0.703	0.745	0.765	0.813	0.786	0.763	5.49
85)	n-Butylbenzene	0.675	0.813	0.878	0.995	0.780	0.828	14.36
86) T	Hexachloroethane	0.168	0.184	0.194	0.218	0.187	0.190	9.71
87) M	1,2-Dichlorobenzene	0.784	0.813	0.839	0.866	0.865	0.833	4.18
88)	1,2-Dibromo-3-Chlor	0.116	0.132	0.136	0.153	0.133	0.134	9.89
89)	1,2,4-Trichlorobenz	0.442	0.513	0.555	0.607	0.509	0.525	11.64
90)	Hexachlorobutadiene	0.246	0.254	0.249	0.278	0.260	0.257	4.93
91) M	Naphthalene	1.386	1.841	1.998	2.152	1.771	1.830	15.77
92)	1,2,3-Trichlorobenz	0.509	0.588	0.614	0.654	0.589	0.591	8.96

(#) = Out of Range