

Method Path : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\
 Method File : 624N092518W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Wed Sep 26 01:56:49 2018
 Response Via : Initial Calibration

Calibration Files

5 =VN051478.D 20 =VN051473.D 50 =VN051474.D
 100 =VN051475.D 150 =VN051476.D

	Compound	5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	2.221	1.284	1.269	1.292	1.225	1.458	29.30
3) M	Chloromethane	3.371	2.303	2.343	2.426	2.242	2.537	18.57
4) M	Vinyl Chloride	3.499	2.520	2.543	2.607	2.472	2.728	15.88
5) M	Bromomethane	2.465	1.611	1.575	1.640	1.579	1.774	21.82
6) M	Chloroethane	2.035	1.609	1.608	1.647	1.556	1.691	11.53
7) M	Trichlorofluorometh	4.389	3.348	3.251	3.502	3.354	3.569	13.09
8) T	Diethyl Ether	1.151	0.901	0.983	1.248	1.010	1.058	13.12
9)	1,1,2-Trichlorotrif	2.209	1.670	1.723	1.754	1.660	1.803	12.76
10) M	1,1-Dichloroethene	1.944	1.510	1.565	1.633	1.586	1.648	10.42
11)	Methyl Iodide	2.170	2.348	2.499	2.691	2.592	2.460	8.34
12)	Methyl Acetate	1.746	1.267	1.346	1.457	1.375	1.438	12.86
13) M	Acrolein	0.191	0.177	0.186	0.220	0.207	0.196	8.74
14) M	Acrylonitrile	0.608	0.525	0.578	0.636	0.598	0.589	7.04
15) M	Acetone	0.179	0.128	0.134	0.144	0.133	0.144	14.44
16) M	Carbon Disulfide	6.564	4.689	4.822	5.054	4.849	5.196	14.93
17)	Allyl chloride	3.193	2.515	2.802	3.013	2.927	2.890	8.77
18) M	Methylene Chloride	2.333	1.871	1.889	1.942	1.825	1.972	10.47
19) M	trans-1,2-Dichloroe	2.010	1.685	1.723	1.815	1.736	1.794	7.23
20) T	Diisopropyl ether	5.908	5.588	5.920	6.164	5.820	5.880	3.53
21) M	1,1-Dichloroethane	4.007	3.332	3.386	3.474	3.332	3.506	8.16
22) M	cis-1,2-Dichloroeth	2.203	1.884	1.934	2.056	1.995	2.014	6.13
23) M	tert-Butyl Alcohol	0.124	0.091	0.104	0.118	0.115	0.110	11.71
24) M	Methyl tert-Butyl E	4.753	3.927	4.403	4.790	4.593	4.493	7.82
25) M	Chloroform	3.930	3.420	3.417	3.470	3.304	3.508	6.95
26)	Cyclohexane	2.894	2.698	3.011	3.201	3.095	2.980	6.49
27) s	1,2-Dichloroethane-	2.128	2.087	2.006	2.058	1.984	2.053	2.85

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.514	0.475	0.502	0.508	0.491	0.498	3.08
30) M	2-Butanone	0.139	0.114	0.125	0.132	0.124	0.127	7.45
31)	2,2-Dichloropropane	0.583	0.523	0.520	0.525	0.505	0.531	5.67
32) M	1,1,1-Trichloroetha	0.617	0.563	0.557	0.564	0.541	0.569	5.02
33) M	Carbon Tetrachlorid	0.571	0.500	0.512	0.513	0.499	0.519	5.68
34) M	Benzene	1.621	1.457	1.458	1.465	1.411	1.482	5.41
35)	Methacrylonitrile	0.123	0.144	0.181	0.178	0.174	0.160	15.78
36) M	1,2-Dichloroethane	0.537	0.461	0.471	0.469	0.451	0.478	7.17
37) M	Trichloroethene	0.437	0.378	0.382	0.383	0.375	0.391	6.65
38)	Methylcyclohexane	0.552	0.506	0.573	0.616	0.604	0.570	7.72
39) M	1,2-Dichloropropane	0.439	0.400	0.400	0.397	0.380	0.403	5.36
40)	Dibromomethane	0.249	0.229	0.225	0.228	0.216	0.229	5.28
41) M	Bromodichloromethan	0.534	0.494	0.499	0.505	0.484	0.503	3.75
42) M	Vinyl Acetate	0.669	0.648	0.732	0.769	0.740	0.712	7.16
43)	Ethyl Acetate	0.215	0.256	0.284	0.295	0.283	0.267	12.07
44)	Isopropyl Acetate	0.519	0.464	0.511	0.538	0.521	0.511	5.42
45) T	1,4-Dioxane	0.003	0.003	0.003	0.003	0.003	0.003#	5.52
46)	Methyl methacrylate	0.230	0.227	0.259	0.282	0.270	0.253	9.62
47)	n-amyl Acetate	0.308	0.340	0.432	0.485	0.462	0.406	19.05
48) M	t-1,3-Dichloroprope	0.481	0.451	0.491	0.534	0.520	0.495	6.65
49) T	cis-1,3-Dichloropro	0.561	0.552	0.584	0.608	0.588	0.579	3.83
50) M	1,1,2-Trichloroetha	0.360	0.323	0.321	0.325	0.307	0.327	6.04
51)	Ethyl methacrylate	0.330	0.335	0.400	0.435	0.416	0.383	12.48
52)	1,3-Dichloropropane	0.577	0.535	0.552	0.562	0.535	0.552	3.29

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	Compound	5	20	50	100	150	Avg	%RSD
53) M	Dibromochloromethan	0.373	0.365	0.378	0.392	0.374	0.376	2.61
54) M	1,2-Dibromoethane	0.325	0.296	0.313	0.327	0.310	0.314	4.03
55) M	2-Chloroethyl vinyl	0.161	0.171	0.200	0.216	0.208	0.191	12.47
56) M	Bromoform	0.243	0.237	0.256	0.270	0.255	0.252	5.08
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.308	0.292	0.315	0.330	0.305	0.310	4.54
59) M	2-Hexanone	0.201	0.179	0.207	0.221	0.202	0.202	7.40
60) S	4-Bromofluorobenzene	0.407	0.447	0.462	0.480	0.469	0.453	6.32
61) M	Tetrachloroethene	0.454	0.409	0.407	0.403	0.383	0.411	6.30
62) M	Toluene	1.972	1.772	1.788	1.803	1.720	1.811	5.25
63) S	Toluene-d8	1.471	1.487	1.431	1.403	1.396	1.437	2.83
64) M	Chlorobenzene	1.177	1.065	1.093	1.129	1.078	1.108	4.07
65)	1,1,1,2-Tetrachloro	0.468	0.422	0.420	0.427	0.408	0.429	5.31
66) M	Ethyl Benzene	1.791	1.722	1.895	1.985	1.912	1.861	5.60
67) M	m/p-Xylenes	0.669	0.694	0.750	0.772	0.732	0.724	5.75
68) M	o-Xylene	0.647	0.650	0.703	0.736	0.702	0.688	5.55
69) M	Styrene	0.944	1.028	1.136	1.193	1.143	1.089	9.24
70)	Isopropylbenzene	1.688	1.752	1.909	1.972	1.895	1.843	6.41
71) M	1,1,2,2-Tetrachloro	0.469	0.403	0.419	0.442	0.403	0.427	6.61
72)	1,2,3-Trichloroprop	0.392	0.353	0.373	0.394	0.339	0.370	6.50
73)	Bromobenzene	0.459	0.427	0.463	0.487	0.464	0.460	4.63
74)	n-propylbenzene	1.887	1.989	2.200	2.303	2.292	2.134	8.78
75)	2-Chlorotoluene	1.213	1.206	1.289	1.331	1.272	1.262	4.18
76)	1,3,5-Trimethylbenz	1.328	1.463	1.602	1.654	1.576	1.525	8.54
77)	t-1,4-Dichloro-2-bu	0.094	0.096	0.118	0.136	0.133	0.115	17.04
78)	4-Chlorotoluene	1.137	1.184	1.293	1.350	1.304	1.254	7.13
79)	tert-butylbenzene	1.212	1.241	1.369	1.417	1.362	1.320	6.72
80)	1,2,4-Trimethylbenz	1.308	1.476	1.622	1.682	1.601	1.538	9.65
81)	sec-Butylbenzene	1.605	1.714	1.898	1.981	1.900	1.820	8.50
82)	p-Isopropyltoluene	1.285	1.462	1.666	1.749	1.698	1.572	12.33
83) M	1,3-Dichlorobenzene	0.753	0.741	0.826	0.873	0.843	0.807	7.16
84) M	1,4-Dichlorobenzene	0.664	0.686	0.781	0.845	0.820	0.759	10.61
85)	n-Butylbenzene	0.927	1.091	1.366	1.510	1.475	1.274	19.94
86) T	Hexachloroethane	0.328	0.297	0.306	0.319	0.311	0.312	3.76
87) M	1,2-Dichlorobenzene	0.729	0.733	0.788	0.827	0.787	0.773	5.35
88)	1,2-Dibromo-3-Chlor	0.066	0.054	0.062	0.067	0.064	0.063	8.00
89)	1,2,4-Trichlorobenz	0.222	0.276	0.397	0.478	0.495	0.374	32.45
90)	Hexachlorobutadiene	0.314	0.271	0.294	0.304	0.285	0.294	5.67
91) M	Naphthalene	0.401	0.421	0.707	0.930	0.971	0.686	39.43
92)	1,2,3-Trichlorobenz	0.280	0.282	0.399	0.459	0.464	0.377	24.19

(#) = Out of Range