

Method Path : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\
 Method File : 624N082818W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Wed Aug 29 01:38:44 2018
 Response Via : Initial Calibration

Calibration Files

5 =VN050907.D 20 =VN050908.D 50 =VN050909.D
 100 =VN050910.D 150 =VN050911.D

	Compound	5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	1.468	1.995	1.956	1.913	1.985	1.863	11.99
3) M	Chloromethane	2.105	2.313	2.208	2.134	2.240	2.200	3.79
4) M	Vinyl Chloride	2.075	2.241	2.188	2.137	2.228	2.174	3.16
5) M	Bromomethane	1.414	1.274	1.294	1.289	1.355	1.325	4.41
6) M	Chloroethane	1.316	1.299	1.267	1.238	1.290	1.282	2.37
7) M	Trichlorofluorometh	2.830	2.927	2.848	2.838	2.966	2.882	2.12
8) T	Diethyl Ether	0.925	0.986	1.018	1.041	1.111	1.016	6.74
9)	1,1,2-Trichlorotrif	1.788	1.807	1.764	1.743	1.821	1.785	1.77
10) M	1,1-Dichloroethene	1.526	1.619	1.611	1.630	1.720	1.621	4.26
11)	Methyl Iodide	1.028	1.280	1.538	1.743	1.972	1.512	24.59
12)	Methyl Acetate	1.615	1.860	1.873	1.945	2.079	1.874	9.03
13) M	Acrolein	0.060	0.034	0.037	0.037	0.040	0.042#	25.03
14) M	Acrylonitrile	0.560	0.615	0.633	0.656	0.704	0.634	8.34
15) M	Acetone	0.195	0.151	0.147	0.155	0.162	0.162	11.89
16) M	Carbon Disulfide	4.789	4.834	4.814	4.837	5.096	4.874	2.58
17)	Allyl chloride	2.314	2.449	2.539	2.652	2.798	2.551	7.28
18) M	Methylene Chloride	1.956	1.927	1.868	1.834	1.928	1.903	2.61
19) M	trans-1,2-Dichloroe	1.665	1.712	1.721	1.728	1.810	1.727	3.03
20) T	Diisopropyl ether	4.584	5.412	5.404	5.403	5.669	5.294	7.80
21) M	1,1-Dichloroethane	3.215	3.282	3.190	3.197	3.347	3.246	2.06
22) M	cis-1,2-Dichloroeth	1.849	1.939	1.922	1.966	2.079	1.951	4.29
23) M	tert-Butyl Alcohol	0.117	0.129	0.129	0.141	0.158	0.135	11.62
24) M	Methyl tert-Butyl E	3.782	4.297	4.486	4.650	4.952	4.434	9.84
25) M	Chloroform	3.243	3.286	3.210	3.162	3.298	3.240	1.73
26)	Cyclohexane	2.311	2.595	2.740	2.830	2.972	2.689	9.38
27) s	1,2-Dichloroethane-	1.922	1.917	1.872	1.881	1.980	1.914	2.21

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.423	0.451	0.461	0.454	0.457	0.449	3.38
30) M	2-Butanone	0.154	0.129	0.134	0.135	0.138	0.138	6.73
31)	2,2-Dichloropropane	0.425	0.427	0.430	0.453	0.451	0.437	3.14
32) M	1,1,1-Trichloroetha	0.518	0.520	0.513	0.495	0.501	0.509	2.13
33) M	Carbon Tetrachlorid	0.466	0.467	0.461	0.448	0.451	0.459	1.90
34) M	Benzene	1.403	1.416	1.400	1.359	1.369	1.389	1.74
35)	Methacrylonitrile	0.135	0.163	0.145	0.161	0.152	0.151	7.55
36) M	1,2-Dichloroethane	0.436	0.433	0.421	0.403	0.407	0.420	3.50
37) M	Trichloroethene	0.371	0.362	0.362	0.357	0.364	0.363	1.35
38)	Methylcyclohexane	0.442	0.459	0.492	0.505	0.515	0.482	6.43
39) M	1,2-Dichloropropane	0.362	0.374	0.364	0.356	0.359	0.363	1.84
40)	Dibromomethane	0.222	0.222	0.220	0.213	0.215	0.219	1.94
41) M	Bromodichloromethan	0.464	0.466	0.465	0.452	0.457	0.461	1.31
42) M	Vinyl Acetate	0.566	0.631	0.664	0.656	0.665	0.636	6.55
43)	Ethyl Acetate	0.254	0.293	0.288	0.285	0.295	0.283	5.82
44)	Isopropyl Acetate	0.446	0.498	0.510	0.513	0.531	0.499	6.49
45) T	1,4-Dioxane	0.003	0.004	0.004	0.004	0.004	0.004#	8.52
46)	Methyl methacrylate	0.214	0.240	0.257	0.266	0.273	0.250	9.46
47)	n-amyl Acetate	0.306	0.373	0.427	0.442	0.460	0.402	15.54
48) M	t-1,3-Dichloroprope	0.396	0.433	0.461	0.476	0.492	0.452	8.36
49) T	cis-1,3-Dichloropro	0.472	0.508	0.531	0.539	0.544	0.519	5.71
50) M	1,1,2-Trichloroetha	0.313	0.328	0.322	0.311	0.313	0.318	2.27
51)	Ethyl methacrylate	0.326	0.361	0.406	0.417	0.433	0.389	11.29
52)	1,3-Dichloropropane	0.513	0.534	0.531	0.523	0.530	0.526	1.61

Method Path : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\
 Method File : 624N082818W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Wed Aug 29 01:38:44 2018
 Response Via : Initial Calibration

Calibration Files

5 =VN050907.D 20 =VN050908.D 50 =VN050909.D
 100 =VN050910.D 150 =VN050911.D

	Compound	5	20	50	100	150	Avg	%RSD
53) M	Dibromochloromethan	0.354	0.357	0.363	0.362	0.370	0.361	1.75
54) M	1,2-Dibromoethane	0.303	0.312	0.318	0.315	0.321	0.314	2.25
55) M	2-Chloroethyl vinyl	0.126	0.153	0.169	0.177	0.183	0.162	14.06
56) M	Bromoform	0.238	0.251	0.260	0.265	0.270	0.257	4.95
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.377	0.333	0.338	0.333	0.337	0.343	5.51
59) M	2-Hexanone	0.237	0.210	0.222	0.225	0.229	0.224	4.38
60) S	4-Bromofluorobenzen	0.413	0.443	0.460	0.458	0.457	0.446	4.36
61) M	Tetrachloroethene	0.392	0.380	0.377	0.359	0.361	0.374	3.67
62) M	Toluene	1.696	1.701	1.687	1.641	1.643	1.674	1.75
63) S	Toluene-d8	1.435	1.425	1.398	1.377	1.360	1.399	2.25
64) M	Chlorobenzene	1.040	1.035	1.043	1.030	1.039	1.037	0.51
65)	1,1,1,2-Tetrachloro	0.394	0.393	0.394	0.384	0.392	0.392	1.05
66) M	Ethyl Benzene	1.587	1.692	1.802	1.788	1.799	1.734	5.41
67) M	m/p-Xylenes	0.601	0.672	0.696	0.681	0.685	0.667	5.66
68) M	o-Xylene	0.556	0.636	0.671	0.661	0.663	0.637	7.44
69) M	Styrene	0.837	1.008	1.079	1.069	1.074	1.013	10.15
70)	Isopropylbenzene	1.494	1.710	1.768	1.745	1.750	1.694	6.70
71) M	1,1,2,2-Tetrachloro	0.472	0.467	0.464	0.445	0.445	0.459	2.79
72)	1,2,3-Trichloroprop	0.380	0.400	0.401	0.397	0.400	0.396	2.23
73)	Bromobenzene	0.430	0.441	0.454	0.448	0.456	0.446	2.37
74)	n-propylbenzene	1.662	1.914	2.013	1.986	1.998	1.915	7.63
75)	2-Chlorotoluene	1.102	1.166	1.205	1.169	1.174	1.163	3.22
76)	1,3,5-Trimethylbenz	1.224	1.403	1.461	1.413	1.420	1.384	6.67
77)	t-1,4-Dichloro-2-bu	0.095	0.102	0.115	0.122	0.130	0.113	12.68
78)	4-Chlorotoluene	0.995	1.146	1.210	1.178	1.198	1.145	7.62
79)	tert-butylbenzene	1.066	1.209	1.255	1.236	1.243	1.202	6.47
80)	1,2,4-Trimethylbenz	1.136	1.412	1.477	1.430	1.444	1.380	10.01
81)	sec-Butylbenzene	1.400	1.565	1.652	1.614	1.633	1.573	6.49
82)	p-Isopropyltoluene	1.130	1.350	1.445	1.417	1.446	1.357	9.79
83) M	1,3-Dichlorobenzene	0.653	0.745	0.798	0.774	0.796	0.753	7.96
84) M	1,4-Dichlorobenzene	0.569	0.704	0.763	0.750	0.783	0.714	12.01
85)	n-Butylbenzene	0.727	0.968	1.129	1.152	1.204	1.036	18.69
86) T	Hexachloroethane	0.266	0.254	0.261	0.257	0.264	0.261	1.84
87) M	1,2-Dichlorobenzene	0.669	0.750	0.781	0.744	0.764	0.742	5.77
88)	1,2-Dibromo-3-Chlor	0.053	0.066	0.068	0.065	0.070	0.064	10.18
89)	1,2,4-Trichlorobenz	0.173	0.279	0.366	0.395	0.438	0.330	31.99
90)	Hexachlorobutadiene	0.224	0.222	0.234	0.217	0.224	0.224	2.82
91) M	Naphthalene	0.317	0.550	0.775	0.891	1.005	0.708	38.96
92)	1,2,3-Trichlorobenz	0.198	0.297	0.360	0.382	0.419	0.331	26.23

(#) = Out of Range