

Method Path : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\
 Method File : 624N071118W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Thu Jul 12 01:52:12 2018
 Response Via : Initial Calibration

Calibration Files

5 =VN049754.D 20 =VN049755.D 50 =VN049756.D
 100 =VN049757.D 150 =VN049758.D

	Compound	5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	1.846	2.348	2.373	2.605	2.051	2.245	13.24
3) M	Chloromethane	2.273	2.318	2.346	2.598	2.066	2.320	8.20
4) M	Vinyl Chloride	2.485	2.451	2.483	2.723	2.133	2.455	8.58
5) M	Bromomethane	1.701	1.406	1.386	1.643	1.273	1.482	12.29
6) M	Chloroethane	1.515	1.430	1.420	1.550	1.210	1.425	9.29
7) M	Trichlorofluorometh	3.242	3.117	3.120	3.436	2.614	3.106	9.79
8) T	Diethyl Ether	1.093	1.047	1.057	1.192	0.917	1.061	9.31
9)	1,1,2-Trichlorotrif	1.995	1.851	1.858	2.059	1.587	1.870	9.70
10) M	1,1-Dichloroethene	1.789	1.688	1.718	1.932	1.485	1.722	9.43
11)	Methyl Iodide	2.052	2.419	2.711	3.163	2.459	2.561	16.03
12)	Methyl Acetate	1.728	1.663	1.691	1.861	1.472	1.683	8.35
13) M	Acrolein	0.212	0.152	0.169	0.186	0.161	0.176	13.47
14) M	Acrylonitrile	0.596	0.562	0.612	0.694	0.554	0.604	9.30
15) M	Acetone	0.163	0.151	0.152	0.166	0.128	0.152	9.86
16) M	Carbon Disulfide	5.469	5.151	5.317	5.993	4.689	5.324	8.92
17)	Allyl chloride	2.671	2.556	2.757	3.159	2.456	2.720	9.95
18) M	Methylene Chloride	2.440	1.977	1.984	2.140	1.676	2.043	13.62
19) M	trans-1,2-Dichloroe	1.872	1.747	1.828	2.057	1.589	1.819	9.41
20) T	Diisopropyl ether	5.216	5.294	5.612	6.408	4.916	5.489	10.39
21) M	1,1-Dichloroethane	3.472	3.320	3.376	3.781	2.899	3.370	9.42
22) M	cis-1,2-Dichloroeth	2.030	1.957	2.029	2.313	1.799	2.025	9.19
23) M	tert-Butyl Alcohol	0.116	0.120	0.128	0.150	0.118	0.126	11.11
24) M	Methyl tert-Butyl E	4.299	4.412	4.709	5.356	4.129	4.581	10.52
25) M	Chloroform	3.566	3.350	3.408	3.787	2.901	3.402	9.63
26)	Cyclohexane	2.619	2.703	2.934	3.369	2.600	2.845	11.31
27) s	1,2-Dichloroethane-	2.124	2.059	1.994	2.002	1.961	2.028	3.18

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.462	0.466	0.490	0.544	0.425	0.477	9.20
30) M	2-Butanone	0.128	0.130	0.137	0.151	0.119	0.133	8.93
31)	2,2-Dichloropropane	0.532	0.511	0.511	0.572	0.434	0.512	9.83
32) M	1,1,1-Trichloroetha	0.565	0.545	0.552	0.611	0.471	0.549	9.23
33) M	Carbon Tetrachlorid	0.495	0.480	0.491	0.543	0.423	0.486	8.86
34) M	Benzene	1.442	1.424	1.449	1.593	1.250	1.432	8.53
35)	Methacrylonitrile	0.139	0.130	0.170	0.178	0.143	0.152	13.75
36) M	1,2-Dichloroethane	0.491	0.444	0.463	0.495	0.392	0.457	9.15
37) M	Trichloroethene	0.379	0.365	0.378	0.417	0.326	0.373	8.67
38)	Methylcyclohexane	0.484	0.478	0.524	0.605	0.481	0.514	10.51
39) M	1,2-Dichloropropane	0.379	0.364	0.379	0.412	0.323	0.372	8.70
40)	Dibromomethane	0.225	0.221	0.228	0.248	0.196	0.224	8.30
41) M	Bromodichloromethan	0.491	0.469	0.484	0.539	0.420	0.481	8.88
42) M	Vinyl Acetate	0.648	0.676	0.735	0.822	0.649	0.706	10.46
43)	Ethyl Acetate	0.253	0.252	0.302	0.333	0.264	0.281	12.68
44)	Isopropyl Acetate	0.495	0.503	0.542	0.606	0.480	0.525	9.63
45) T	1,4-Dioxane	0.003	0.003	0.004	0.004	0.003	0.003#	11.31
46)	Methyl methacrylate	0.222	0.246	0.281	0.319	0.248	0.263	14.33
47)	n-amyl Acetate	0.346	0.396	0.473	0.551	0.445	0.442	17.57
48) M	t-1,3-Dichloroprope	0.438	0.453	0.498	0.577	0.456	0.484	11.60
49) T	cis-1,3-Dichloropro	0.531	0.535	0.571	0.645	0.506	0.558	9.70
50) M	1,1,2-Trichloroetha	0.345	0.322	0.322	0.355	0.281	0.325	8.73
51)	Ethyl methacrylate	0.334	0.366	0.420	0.481	0.382	0.397	14.23
52)	1,3-Dichloropropane	0.525	0.520	0.544	0.604	0.477	0.534	8.62

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	Compound	5	20	50	100	150	Avg	%RSD
53) M	Dibromochloromethan	0.361	0.355	0.374	0.418	0.330	0.368	8.86
54) M	1,2-Dibromoethane	0.307	0.300	0.320	0.364	0.289	0.316	9.20
55) M	2-Chloroethyl vinyl	0.164	0.181	0.214	0.241	0.210	0.202	14.84
56) M	Bromoform	0.223	0.237	0.261	0.296	0.241	0.252	11.18
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.304	0.323	0.339	0.374	0.291	0.326	9.83
59) M	2-Hexanone	0.196	0.212	0.232	0.257	0.201	0.220	11.42
60) S	4-Bromofluorobenzen	0.434	0.448	0.472	0.482	0.480	0.463	4.55
61) M	Tetrachloroethene	0.386	0.375	0.387	0.414	0.320	0.376	9.23
62) M	Toluene	1.735	1.693	1.749	1.931	1.489	1.719	9.17
63) S	Toluene-d8	1.424	1.426	1.401	1.384	1.374	1.402	1.67
64) M	Chlorobenzene	1.059	1.018	1.070	1.197	0.931	1.055	9.16
65)	1,1,1,2-Tetrachloro	0.412	0.390	0.404	0.449	0.346	0.400	9.29
66) M	Ethyl Benzene	1.651	1.719	1.872	2.126	1.650	1.804	11.19
67) M	m/p-Xylenes	0.637	0.671	0.722	0.811	0.629	0.694	10.80
68) M	o-Xylene	0.603	0.635	0.690	0.778	0.608	0.663	11.04
69) M	Styrene	0.885	1.008	1.118	1.281	0.999	1.058	14.13
70)	Isopropylbenzene	1.575	1.686	1.839	2.079	1.613	1.758	11.70
71) M	1,1,2,2-Tetrachloro	0.453	0.446	0.457	0.507	0.393	0.451	8.93
72)	1,2,3-Trichloroprop	0.370	0.348	0.364	0.408	0.317	0.361	9.17
73)	Bromobenzene	0.440	0.439	0.474	0.535	0.416	0.461	10.09
74)	n-propylbenzene	1.842	1.919	2.130	2.411	1.875	2.035	11.69
75)	2-Chlorotoluene	1.150	1.181	1.265	1.405	1.103	1.221	9.70
76)	1,3,5-Trimethylbenz	1.277	1.364	1.499	1.678	1.325	1.429	11.34
77)	t-1,4-Dichloro-2-bu	0.100	0.113	0.132	0.162	0.126	0.127	18.30
78)	4-Chlorotoluene	1.116	1.148	1.267	1.428	1.128	1.217	10.87
79)	tert-butylbenzene	1.133	1.190	1.292	1.451	1.135	1.240	10.85
80)	1,2,4-Trimethylbenz	1.231	1.391	1.533	1.712	1.344	1.443	12.87
81)	sec-Butylbenzene	1.501	1.572	1.735	1.972	1.549	1.666	11.56
82)	p-Isopropyltoluene	1.221	1.357	1.519	1.741	1.364	1.441	13.77
83) M	1,3-Dichlorobenzene	0.741	0.740	0.829	0.949	0.740	0.800	11.46
84) M	1,4-Dichlorobenzene	0.676	0.696	0.801	0.931	0.727	0.766	13.50
85)	n-Butylbenzene	0.912	1.034	1.248	1.486	1.184	1.173	18.64
86) T	Hexachloroethane	0.278	0.253	0.276	0.316	0.248	0.274	9.78
87) M	1,2-Dichlorobenzene	0.701	0.725	0.810	0.910	0.706	0.770	11.66
88)	1,2-Dibromo-3-Chlor	0.065	0.062	0.068	0.079	0.062	0.067	10.95
89)	1,2,4-Trichlorobenz	0.259	0.331	0.420	0.520	0.415	0.389	25.39
90)	Hexachlorobutadiene	0.254	0.225	0.246	0.284	0.229	0.248	9.42
91) M	Naphthalene	0.498	0.689	0.934	1.206	0.960	0.857	31.69
92)	1,2,3-Trichlorobenz	0.292	0.353	0.415	0.497	0.394	0.390	19.50

(#) = Out of Range