

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\
 Method File : 624N110118W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Nov 02 05:39:38 2018
 Response Via : Initial Calibration

Calibration Files

5 =VN052090.D 20 =VN052091.D 50 =VN052092.D
 100 =VN052093.D 150 =VN052094.D

	Compound	5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	1.732	2.058	2.016	2.082	2.129	2.004	7.85
3) M	Chloromethane	2.332	2.373	2.271	2.255	2.219	2.290	2.70
4) M	Vinyl Chloride	2.303	2.384	2.211	2.184	2.150	2.246	4.24
5) M	Bromomethane	1.691	1.541	1.468	1.485	1.482	1.533	6.01
6) M	Chloroethane	1.624	1.468	1.405	1.353	1.332	1.436	8.16
7) M	Trichlorofluorometh	3.300	3.087	2.944	2.906	2.973	3.042	5.23
8) T	Diethyl Ether	1.089	1.055	0.966	1.016	1.009	1.027	4.58
9)	1,1,2-Trichlorotrif	1.942	1.771	1.696	1.732	1.749	1.778	5.40
10) M	1,1-Dichloroethene	1.761	1.632	1.598	1.623	1.682	1.659	3.89
11)	Methyl Iodide	2.178	2.273	2.380	2.520	2.643	2.399	7.77
12)	Methyl Acetate	1.649	1.415	1.306	1.306	1.306	1.396	10.68
13) M	Acrolein	0.142	0.146	0.137	0.156	0.160	0.148	6.55
14) M	Acrylonitrile	0.685	0.638	0.586	0.603	0.585	0.619	6.88
15) M	Acetone	0.182	0.154	0.130	0.141	0.126	0.146	15.47
16) M	Carbon Disulfide	4.874	4.757	4.807	4.958	5.096	4.899	2.73
17)	Allyl chloride	2.972	2.799	2.662	2.898	2.753	2.817	4.32
18) M	Methylene Chloride	2.450	2.042	1.936	1.919	1.893	2.048	11.31
19) M	trans-1,2-Dichloroe	1.864	1.818	1.783	1.810	1.815	1.818	1.61
20) T	Diisopropyl ether	6.411	6.230	6.122	5.924	5.917	6.121	3.43
21) M	1,1-Dichloroethane	3.931	3.669	3.508	3.386	3.392	3.577	6.40
22) M	cis-1,2-Dichloroeth	2.188	2.157	2.111	2.082	2.075	2.123	2.30
23) M	tert-Butyl Alcohol	0.095	0.114	0.084	0.099	0.090	0.096	11.97
24) M	Methyl tert-Butyl E	4.875	4.852	4.581	4.589	4.620	4.703	3.12
25) M	Chloroform	3.826	3.696	3.535	3.461	3.441	3.592	4.59
26)	Cyclohexane	3.421	3.167	3.155	3.150	3.140	3.207	3.75
27) s	1,2-Dichloroethane-	2.376	2.359	2.217	2.099	2.083	2.227	6.22

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.504	0.487	0.471	0.457	0.463	0.476	4.04
30) M	2-Butanone	0.146	0.135	0.118	0.121	0.115	0.127	10.49
31)	2,2-Dichloropropane	0.525	0.493	0.476	0.477	0.482	0.491	4.11
32) M	1,1,1-Trichloroetha	0.549	0.528	0.525	0.525	0.537	0.533	1.90
33) M	Carbon Tetrachlorid	0.502	0.463	0.460	0.469	0.475	0.474	3.52
34) M	Benzene	1.506	1.413	1.372	1.340	1.342	1.395	4.92
35)	Methacrylonitrile	0.169	0.191	0.163	0.194	0.153	0.174	10.10
36) M	1,2-Dichloroethane	0.549	0.470	0.447	0.435	0.430	0.466	10.41
37) M	Trichloroethene	0.360	0.334	0.344	0.351	0.356	0.349	2.91
38)	Methylcyclohexane	0.622	0.575	0.563	0.571	0.574	0.581	4.04
39) M	1,2-Dichloropropane	0.403	0.388	0.362	0.352	0.352	0.371	6.24
40)	Dibromomethane	0.256	0.233	0.221	0.219	0.216	0.229	7.14
41) M	Bromodichloromethan	0.484	0.468	0.464	0.462	0.463	0.468	2.00
42) M	Vinyl Acetate	0.754	0.762	0.727	0.734	0.735	0.743	1.98
43)	Ethyl Acetate	0.747	0.674	0.588	0.604	0.574	0.637	11.38
44)	Isopropyl Acetate	0.581	0.535	0.500	0.510	0.513	0.528	6.13
45) T	1,4-Dioxane	0.002	0.003	0.002	0.002	0.002	0.002#	8.78
46)	Methyl methacrylate	0.275	0.277	0.254	0.253	0.254	0.263	4.78
47)	n-amyl Acetate	0.485	0.473	0.473	0.482	0.479	0.478	1.17
48) M	t-1,3-Dichloroprope	0.446	0.459	0.457	0.478	0.485	0.465	3.45
49) T	cis-1,3-Dichloropro	0.505	0.546	0.535	0.544	0.553	0.537	3.52
50) M	1,1,2-Trichloroetha	0.327	0.303	0.296	0.294	0.293	0.303	4.71
51)	Ethyl methacrylate	0.396	0.391	0.382	0.394	0.392	0.391	1.33
52)	1,3-Dichloropropane	0.578	0.532	0.509	0.511	0.505	0.527	5.72

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\
 Method File : 624N110118W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Nov 02 05:39:38 2018
 Response Via : Initial Calibration

Calibration Files

5 =VN052090.D 20 =VN052091.D 50 =VN052092.D
 100 =VN052093.D 150 =VN052094.D

	Compound	5	20	50	100	150	Avg	%RSD
53) M	Dibromochloromethan	0.290	0.319	0.325	0.346	0.354	0.327	7.68
54) M	1,2-Dibromoethane	0.317	0.299	0.300	0.308	0.310	0.307	2.47
55) M	2-Chloroethyl vinyl	0.210	0.223	0.214	0.210	0.214	0.214	2.49
56) M	Bromoform	0.166	0.175	0.188	0.203	0.212	0.189	10.04
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.364	0.336	0.302	0.307	0.299	0.321	8.64
59) M	2-Hexanone	0.258	0.230	0.205	0.212	0.201	0.221	10.70
60) S	4-Bromofluorobenzen	0.481	0.483	0.480	0.484	0.472	0.480	1.03
61) M	Tetrachloroethene	0.345	0.314	0.313	0.327	0.332	0.326	4.06
62) M	Toluene	1.748	1.699	1.655	1.658	1.661	1.684	2.39
63) S	Toluene-d8	1.453	1.435	1.423	1.381	1.361	1.411	2.72
64) M	Chlorobenzene	1.134	1.045	1.031	1.066	1.062	1.067	3.70
65)	1,1,1,2-Tetrachloro	0.357	0.356	0.360	0.366	0.377	0.363	2.34
66) M	Ethyl Benzene	1.872	1.781	1.802	1.821	1.820	1.819	1.85
67) M	m/p-Xylenes	0.713	0.684	0.697	0.702	0.705	0.700	1.55
68) M	o-Xylene	0.647	0.656	0.676	0.680	0.679	0.668	2.26
69) M	Styrene	1.023	1.074	1.078	1.099	1.105	1.076	3.01
70)	Isopropylbenzene	1.828	1.737	1.791	1.804	1.803	1.792	1.90
71) M	1,1,2,2-Tetrachloro	0.450	0.394	0.383	0.376	0.369	0.394	8.16
72)	1,2,3-Trichloroprop	0.397	0.357	0.316	0.345	0.318	0.347	9.63
73)	Bromobenzene	0.378	0.375	0.402	0.415	0.417	0.397	5.01
74)	n-propylbenzene	2.152	2.034	2.079	2.085	2.087	2.087	2.01
75)	2-Chlorotoluene	1.290	1.186	1.185	1.185	1.171	1.203	4.05
76)	1,3,5-Trimethylbenz	1.456	1.404	1.442	1.442	1.443	1.437	1.38
77)	t-1,4-Dichloro-2-bu	0.099	0.095	0.107	0.122	0.119	0.108	10.69
78)	4-Chlorotoluene	1.210	1.185	1.220	1.223	1.220	1.212	1.31
79)	tert-butylbenzene	1.253	1.245	1.263	1.253	1.246	1.252	0.57
80)	1,2,4-Trimethylbenz	1.391	1.420	1.438	1.456	1.454	1.432	1.90
81)	sec-Butylbenzene	1.704	1.678	1.731	1.749	1.753	1.723	1.84
82)	p-Isopropyltoluene	1.378	1.403	1.489	1.499	1.512	1.456	4.21
83) M	1,3-Dichlorobenzene	0.671	0.667	0.709	0.725	0.740	0.703	4.61
84) M	1,4-Dichlorobenzene	0.661	0.645	0.701	0.726	0.745	0.695	6.14
85)	n-Butylbenzene	1.197	1.200	1.268	1.303	1.334	1.260	4.85
86) T	Hexachloroethane	0.218	0.232	0.245	0.264	0.270	0.246	8.83
87) M	1,2-Dichlorobenzene	0.644	0.639	0.678	0.686	0.690	0.667	3.61
88)	1,2-Dibromo-3-Chlor	0.055	0.056	0.053	0.054	0.052	0.054	2.94
89)	1,2,4-Trichlorobenz	0.221	0.253	0.274	0.296	0.310	0.271	13.10
90)	Hexachlorobutadiene	0.155	0.141	0.142	0.149	0.155	0.148	4.68
91) M	Naphthalene	0.507	0.595	0.619	0.691	0.711	0.625	13.08
92)	1,2,3-Trichlorobenz	0.211	0.217	0.231	0.252	0.270	0.236	10.47

(#) = Out of Range