

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N032422W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Thu Mar 24 12:03:44 2022
 Response Via : Initial Calibration

Calibration Files

5 =VN071511.D 20 =VN071512.D 50 =VN071513.D 100 =VN071514.D 150 =VN071515.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.669	1.931	1.949	1.944	1.844	1.867	6.36
3) M	Chloromethane	2.277	2.191	2.233	2.210	2.092	2.201	3.11
4) M	Vinyl Chloride	2.503	2.478	2.585	2.573	2.480	2.524	2.05
5) M	Bromomethane	1.743	1.648	1.584	1.592	0.869	1.487	23.64
6) M	Chloroethane	1.594	1.588	1.702	1.653	1.544	1.616	3.81
7) M	Trichlorofluorom...	3.018	2.907	2.961	2.986	2.841	2.943	2.37
8) T	Diethyl Ether	1.221	1.209	1.252	1.268	1.232	1.236	1.93
9)	1,1,2-Trichlorot...	1.789	1.771	1.779	1.790	1.682	1.762	2.58
10) M	1,1-Dichloroethene	1.715	1.709	1.741	1.800	1.725	1.738	2.10
11)	Methyl Iodide	2.272	2.471	2.647	2.727	2.617	2.547	7.04
12)	Methyl Acetate	2.611	2.387	2.416	2.462	2.370	2.449	3.96
13) M	Acrolein	0.262	0.244	0.267	0.265	0.265	0.261	3.62
14) M	Acrylonitrile	1.067	1.071	1.127	1.162	1.119	1.109	3.61
15) M	Acetone	0.341	0.327	0.318	0.315	0.296	0.319	5.21
16) M	Carbon Disulfide	4.416	4.341	4.553	4.738	4.577	4.525	3.40
17)	Allyl chloride	2.705	2.720	2.863	2.931	2.877	2.819	3.57
18) M	Methylene Chloride	2.233	2.043	2.067	2.096	1.986	2.085	4.41
19) M	trans-1,2-Dichlo...	1.864	1.807	1.876	1.908	1.839	1.859	2.05
20) T	Diisopropyl ether	5.756	5.864	5.967	6.085	5.820	5.898	2.19
21) M	1,1-Dichloroethane	3.676	3.489	3.538	3.624	3.479	3.561	2.42
22) M	cis-1,2-Dichloro...	2.254	2.215	2.250	2.323	2.251	2.258	1.75
23) M	tert-Butyl Alcohol	0.351	0.370	0.392	0.429	0.437	0.396	9.31
24) M	Methyl tert-Buty...	6.149	6.171	6.309	6.465	6.270	6.273	2.01
25) M	Chloroform	3.643	3.552	3.593	3.640	3.480	3.582	1.90
26)	Cyclohexane	2.992	2.998	3.152	3.202	3.047	3.078	3.07
27) s	1,2-Dichloroetha...	2.158	2.130	2.158	2.059	2.063	2.114	2.33
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.461	0.473	0.482	0.514	0.498	0.486	4.29
30) M	2-Butanone	0.268	0.266	0.265	0.279	0.273	0.270	2.25
31)	2,2-Dichloropropane	0.543	0.540	0.543	0.579	0.561	0.553	3.04
32) M	1,1,1-Trichloroe...	0.564	0.553	0.556	0.586	0.568	0.566	2.33
33) M	Carbon Tetrachlo...	0.463	0.472	0.469	0.500	0.489	0.479	3.22
34) M	Benzene	1.551	1.494	1.469	1.542	1.487	1.509	2.38
35)	Methacrylonitrile	0.255	0.266	0.245	0.267	0.264	0.259	3.64
36) M	1,2-Dichloroethane	0.566	0.517	0.507	0.529	0.513	0.526	4.47
37) M	Trichloroethene	0.389	0.377	0.379	0.407	0.395	0.389	3.21
38)	Methylcyclohexane	0.562	0.595	0.613	0.655	0.634	0.612	5.84
39) M	1,2-Dichloropropane	0.385	0.373	0.367	0.388	0.375	0.377	2.27
40)	Dibromomethane	0.260	0.251	0.249	0.263	0.255	0.255	2.19
41) M	Bromodichloromet...	0.504	0.495	0.501	0.534	0.523	0.511	3.18
42) M	Vinyl Acetate	0.871	0.896	0.917	0.986	0.961	0.926	5.08
43)	Ethyl Acetate	0.509	0.522	0.514	0.553	0.523	0.524	3.24
44)	Isopropyl Acetate	0.893	0.795	0.802	0.858	0.856	0.841	4.92
45) T	1,4-Dioxane	0.008	0.008	0.008	0.009	0.009	0.008#	5.13
46)	Methyl methacrylate	0.326	0.339	0.363	0.425	0.391	0.369	10.91
47)	n-amyl Acetate	0.450	0.495	0.573	0.645	0.642	0.561	15.60
48) M	t-1,3-Dichloropr...	0.508	0.515	0.549	0.605	0.602	0.556	8.32
49) T	cis-1,3-Dichloro...	0.567	0.579	0.599	0.653	0.641	0.608	6.23
50) M	1,1,2-Trichloroe...	0.389	0.375	0.374	0.390	0.382	0.382	1.98
51)	Ethyl methacrylate	0.515	0.547	0.584	0.650	0.653	0.590	10.42
52)	1,3-Dichloropropane	0.663	0.645	0.632	0.667	0.654	0.652	2.14
53) M	Dibromochloromet...	0.371	0.377	0.391	0.421	0.417	0.395	5.70
54) M	1,2-Dibromoethane	0.389	0.377	0.386	0.410	0.403	0.393	3.42
55) M	2-Chloroethyl vi...	0.090	0.151	0.165	0.186	0.202	0.159	27.37
56) M	Bromoform	0.271	0.284	0.301	0.334	0.335	0.305	9.55

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		-----ISTD-----							
57) I	Chlorobenzene-d5								
58) M	4-Methyl-2-Penta...	0.536	0.563	0.575	0.597	0.576	0.569		3.87
59) M	2-Hexanone	0.390	0.409	0.417	0.439	0.424	0.416		4.38
60) S	4-Bromofluoroben...	0.412	0.442	0.449	0.459	0.462	0.445		4.56
61) M	Tetrachloroethene	0.385	0.370	0.355	0.370	0.345	0.365		4.20
62) M	Toluene	1.875	1.833	1.799	1.862	1.727	1.819		3.26
63) S	Toluene-d8	1.388	1.408	1.386	1.330	1.297	1.362		3.39
64) M	Chlorobenzene	1.138	1.096	1.103	1.166	1.107	1.122		2.61
65)	1,1,1,2-Tetrachl...	0.405	0.412	0.402	0.429	0.410	0.412		2.52
66) M	Ethyl Benzene	1.873	1.921	1.979	2.106	2.004	1.977		4.48
67) M	m/p-Xylenes	0.725	0.761	0.767	0.814	0.778	0.769		4.16
68) M	o-Xylene	0.725	0.748	0.754	0.810	0.785	0.764		4.38
69) M	Styrene	1.048	1.143	1.204	1.324	1.295	1.203		9.34
70)	Isopropylbenzene	1.762	1.889	1.924	2.051	1.966	1.918		5.54
71) M	1,1,2,2-Tetrachl...	0.635	0.634	0.623	0.641	0.590	0.624		3.22
72)	1,2,3-Trichlorop...	0.550	0.548	0.542	0.576	0.466	0.536		7.76
73)	Bromobenzene	0.453	0.446	0.463	0.498	0.480	0.468		4.50
74)	n-propylbenzene	1.817	1.994	2.132	2.308	2.218	2.094		9.23
75)	2-Chlorotoluene	1.247	1.279	1.296	1.392	1.328	1.308		4.22
76)	1,3,5-Trimethylb...	1.395	1.523	1.549	1.651	1.578	1.539		6.08
77)	t-1,4-Dichloro-2...	0.155	0.166	0.196	0.215	0.209	0.188		14.08
78)	4-Chlorotoluene	1.097	1.160	1.226	1.343	1.285	1.222		7.99
79)	tert-butylbenzene	1.251	1.358	1.402	1.504	1.429	1.389		6.73
80)	1,2,4-Trimethylb...	1.327	1.455	1.510	1.632	1.544	1.493		7.58
81)	sec-Butylbenzene	1.632	1.787	1.891	2.062	1.960	1.866		8.84
82)	p-Isopropyltoluene	1.270	1.430	1.556	1.716	1.610	1.516		11.34
83) M	1,3-Dichlorobenzene	0.691	0.717	0.771	0.848	0.802	0.766		8.27
84) M	1,4-Dichlorobenzene	0.656	0.683	0.735	0.815	0.766	0.731		8.70
85)	n-Butylbenzene	0.852	0.988	1.169	1.344	1.279	1.126		18.13
86) T	Hexachloroethane	0.253	0.270	0.287	0.312	0.295	0.283		8.01
87) M	1,2-Dichlorobenzene	0.683	0.729	0.749	0.799	0.742	0.740		5.65
88)	1,2-Dibromo-3-Ch...	0.095	0.104	0.114	0.123	0.120	0.111		10.48
89)	1,2,4-Trichlorob...	0.225	0.298	0.355	0.417	0.417	0.342		24.01
90)	Hexachlorobutadiene	0.201	0.195	0.211	0.214	0.193	0.203		4.54
91) M	Naphthalene	0.454	0.762	1.035	1.245	1.262	0.951		36.13
92)	1,2,3-Trichlorob...	0.210	0.295	0.353	0.412	0.409	0.336		25.31

(#) = Out of Range