

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N020321W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Wed Feb 03 14:50:04 2021
 Response Via : Initial Calibration

Calibration Files

5 =VN065695.D 20 =VN065696.D 50 =VN065697.D 100 =VN065698.D 150 =VN065699.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.725	1.564	1.861	1.945	1.868	1.792	8.39
3) M	Chloromethane	2.677	2.298	2.664	2.791	2.713	2.629	7.27
4) M	Vinyl Chloride	2.561	2.289	2.669	2.786	2.693	2.600	7.37
5) M	Bromomethane	1.712	1.371	1.599	1.447	1.626	1.551	8.95
6) M	Chloroethane	1.511	1.313	1.546	1.589	1.543	1.500	7.22
7) M	Trichlorofluorom...	2.734	2.372	2.786	2.838	2.747	2.695	6.88
8) T	Diethyl Ether	1.233	1.084	1.272	1.319	1.272	1.236	7.31
9)	1,1,2-Trichlorot...	1.625	1.463	1.712	1.738	1.697	1.647	6.76
10) M	1,1-Dichloroethene	1.768	1.542	1.798	1.860	1.804	1.754	7.01
11)	Methyl Iodide	2.311	2.158	2.584	2.672	2.633	2.472	9.12
12)	Methyl Acetate	2.282	1.880	2.118	2.222	2.121	2.125	7.23
13) M	Acrolein	0.265	0.276	0.285	0.289	0.310	0.285	5.85
14) M	Acrylonitrile	0.896	0.833	0.977	1.025	0.991	0.944	8.27
15) M	Acetone	0.341	0.296	0.285	0.271	0.253	0.289	11.46
16) M	Carbon Disulfide	5.658	4.767	5.525	5.851	5.713	5.503	7.77
17)	Allyl chloride	3.152	2.869	3.494	3.637	3.494	3.329	9.41
18) M	Methylene Chloride	2.171	1.816	2.083	2.174	2.093	2.068	7.10
19) M	trans-1,2-Dichlo...	2.003	1.655	1.956	2.020	1.957	1.918	7.81
20) T	Diisopropyl ether	6.904	5.956	6.904	7.082	6.739	6.717	6.59
21) M	1,1-Dichloroethane	3.765	3.250	3.806	3.926	3.780	3.706	7.08
22) M	cis-1,2-Dichloro...	2.207	1.930	2.249	2.346	2.289	2.204	7.33
23) M	tert-Butyl Alcohol	0.328	0.313	0.346	0.354	0.348	0.338	5.06
24) M	Methyl tert-Buty...	5.879	5.115	5.994	6.274	6.052	5.863	7.54
25) M	Chloroform	3.356	2.970	3.468	3.542	3.475	3.362	6.82
26)	Cyclohexane	3.487	3.047	3.558	3.677	3.568	3.467	7.06
27) s	1,2-Dichloroetha...	2.125	2.100	2.048	2.073	2.058	2.081	1.51
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.476	0.416	0.496	0.524	0.510	0.484	8.68
30) M	2-Butanone	0.214	0.198	0.220	0.231	0.221	0.217	5.68
31)	2,2-Dichloropropane	0.512	0.444	0.518	0.535	0.525	0.507	7.11
32) M	1,1,1-Trichloroe...	0.487	0.415	0.491	0.511	0.499	0.480	7.87
33) M	Carbon Tetrachlo...	0.377	0.344	0.411	0.430	0.424	0.397	9.09
34) M	Benzene	1.499	1.299	1.534	1.590	1.560	1.496	7.70
35)	Methacrylonitrile	0.215	0.181	0.232	0.265	0.247	0.228	14.05
36) M	1,2-Dichloroethane	0.443	0.396	0.461	0.479	0.469	0.449	7.29
37) M	Trichloroethene	0.349	0.314	0.371	0.391	0.382	0.361	8.53
38)	Methylcyclohexane	0.573	0.494	0.587	0.616	0.603	0.574	8.36
39) M	1,2-Dichloropropane	0.398	0.355	0.414	0.437	0.429	0.407	7.99
40)	Dibromomethane	0.226	0.203	0.233	0.248	0.242	0.230	7.58
41) M	Bromodichloromet...	0.450	0.401	0.478	0.507	0.497	0.467	9.11
42) M	Vinyl Acetate	0.917	0.831	0.984	1.030	0.987	0.950	8.19
43)	Ethyl Acetate	0.388	0.389	0.473	0.498	0.471	0.444	11.60
44)	Isopropyl Acetate	0.733	0.676	0.785	0.833	0.814	0.768	8.34
45) T	1,4-Dioxane	0.006	0.006	0.007	0.007	0.007	0.006#	8.01
46)	Methyl methacrylate	0.361	0.315	0.373	0.400	0.391	0.368	9.04
47)	n-amyl Acetate	0.577	0.528	0.674	0.717	0.716	0.643	13.32
48) M	t-1,3-Dichloropr...	0.510	0.468	0.569	0.611	0.600	0.551	11.10
49) T	cis-1,3-Dichloro...	0.589	0.534	0.643	0.684	0.674	0.625	10.06
50) M	1,1,2-Trichloroe...	0.331	0.292	0.347	0.362	0.355	0.337	8.28
51)	Ethyl methacrylate	0.500	0.465	0.566	0.599	0.586	0.543	10.67
52)	1,3-Dichloropropane	0.588	0.525	0.622	0.650	0.635	0.604	8.23
53) M	Dibromochloromet...	0.320	0.286	0.350	0.380	0.373	0.342	11.46
54) M	1,2-Dibromoethane	0.311	0.289	0.352	0.374	0.364	0.338	10.76
55) M	2-Chloroethyl vi...	0.185	0.233	0.249	0.271	0.269	0.241	14.62
56) M	Bromoform	0.193	0.179	0.223	0.244	0.240	0.216	13.17

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		-----ISTD-----							
57) I	Chlorobenzene-d5								
58) M	4-Methyl-2-Penta...	0.496	0.452	0.512	0.525	0.507	0.498		5.65
59) M	2-Hexanone	0.356	0.321	0.364	0.373	0.369	0.357		5.86
60) S	4-Bromofluoroben...	0.470	0.487	0.494	0.500	0.489	0.488		2.27
61) M	Tetrachloroethene	0.414	0.354	0.409	0.403	0.396	0.395		6.10
62) M	Toluene	1.817	1.529	1.803	1.815	1.806	1.754		7.19
63) S	Toluene-d8	1.490	1.458	1.418	1.412	1.434	1.442		2.21
64) M	Chlorobenzene	1.035	0.894	1.070	1.091	1.084	1.035		7.88
65)	1,1,1,2-Tetrachl...	0.363	0.314	0.368	0.378	0.378	0.360		7.39
66) M	Ethyl Benzene	1.873	1.632	1.929	1.984	1.971	1.878		7.66
67) M	m/p-Xylenes	0.689	0.610	0.719	0.741	0.737	0.699		7.72
68) M	o-Xylene	0.684	0.595	0.704	0.713	0.708	0.681		7.19
69) M	Styrene	1.023	0.933	1.164	1.190	1.194	1.101		10.64
70)	Isopropylbenzene	1.712	1.530	1.826	1.843	1.833	1.749		7.62
71) M	1,1,2,2-Tetrachl...	0.493	0.455	0.526	0.542	0.548	0.513		7.55
72)	1,2,3-Trichlorop...	0.510	0.471	0.526	0.500	0.505	0.503		3.98
73)	Bromobenzene	0.391	0.337	0.408	0.417	0.418	0.394		8.60
74)	n-propylbenzene	1.912	1.732	2.126	2.176	2.161	2.022		9.58
75)	2-Chlorotoluene	1.236	1.070	1.271	1.270	1.276	1.225		7.18
76)	1,3,5-Trimethylb...	1.417	1.269	1.531	1.554	1.551	1.464		8.37
77)	t-1,4-Dichloro-2...	0.172	0.163	0.205	0.219	0.222	0.196		13.85
78)	4-Chlorotoluene	1.142	1.033	1.276	1.313	1.327	1.218		10.40
79)	tert-butylbenzene	1.206	1.050	1.249	1.271	1.271	1.209		7.68
80)	1,2,4-Trimethylb...	1.405	1.263	1.531	1.556	1.573	1.466		8.94
81)	sec-Butylbenzene	1.563	1.407	1.681	1.707	1.718	1.615		8.15
82)	p-Isopropyltoluene	1.345	1.231	1.515	1.540	1.562	1.438		10.03
83) M	1,3-Dichlorobenzene	0.608	0.581	0.738	0.753	0.767	0.689		12.74
84) M	1,4-Dichlorobenzene	0.573	0.560	0.732	0.747	0.768	0.676		14.95
85)	n-Butylbenzene	1.100	1.048	1.332	1.388	1.406	1.255		13.40
86) T	Hexachloroethane	0.227	0.209	0.262	0.272	0.278	0.250		12.06
87) M	1,2-Dichlorobenzene	0.630	0.590	0.734	0.727	0.764	0.689		10.85
88)	1,2-Dibromo-3-Ch...	0.077	0.088	0.106	0.108	0.116	0.099		16.09
89)	1,2,4-Trichlorob...	0.213	0.278	0.408	0.433	0.465	0.359		30.19
90)	Hexachlorobutadiene	0.165	0.142	0.169	0.164	0.174	0.163		7.45
91) M	Naphthalene	0.626	0.884	1.294	1.413	1.532	1.150		33.14
92)	1,2,3-Trichlorob...	0.219	0.290	0.408	0.423	0.463	0.360		28.39

(#) = Out of Range