

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N092521W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Mon Sep 27 07:10:18 2021
 Response Via : Initial Calibration

Calibration Files

5 =VN068684.D 20 =VN068685.D 50 =VN068686.D 100 =VN068687.D 150 =VN068688.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.332	1.786	1.809	1.644	1.724	1.659	11.68
3) M	Chloromethane	2.115	2.301	2.240	1.957	2.371	2.197	7.45
4) M	Vinyl Chloride	2.378	2.816	2.691	2.347	2.391	2.525	8.48
5) M	Bromomethane	1.804	1.833	1.833	1.761	1.008	1.648	21.78
6) M	Chloroethane	1.787	1.914	1.934	1.757	1.268	1.732	15.63
7) M	Trichlorofluorom...	2.914	3.198	3.154	2.796	2.925	2.997	5.72
8) T	Diethyl Ether	1.018	1.094	1.120	1.015	1.150	1.079	5.63
9)	1,1,2-Trichlorot...	1.545	1.711	1.692	1.532	1.631	1.622	5.07
10) M	1,1-Dichloroethene	1.458	1.611	1.639	1.468	1.629	1.561	5.77
11)	Methyl Iodide	1.575	1.995	2.132	2.048	2.190	1.988	12.21
12)	Methyl Acetate	3.508	3.429	3.304	3.013	3.545	3.360	6.38
13) M	Acrolein	0.140	0.093	0.091	0.090	0.103	0.103	20.29
14) M	Acrylonitrile	0.899	1.013	0.995	0.924	1.099	0.986	8.00
15) M	Acetone	0.234	0.255	0.244	0.225	0.260	0.244	6.02
16) M	Carbon Disulfide	4.220	4.715	4.785	4.415	4.950	4.617	6.38
17)	Allyl chloride	2.828	3.024	3.071	2.852	3.432	3.041	7.96
18) M	Methylene Chloride	1.986	1.950	1.932	1.739	1.925	1.906	5.07
19) M	trans-1,2-Dichlo...	1.676	1.801	1.780	1.632	1.765	1.731	4.23
20) T	Diisopropyl ether	6.064	6.633	6.788	6.248	7.058	6.558	6.14
21) M	1,1-Dichloroethane	3.463	3.648	3.588	3.216	3.626	3.508	5.08
22) M	cis-1,2-Dichloro...	1.939	2.093	2.142	1.924	2.117	2.043	5.05
23) M	tert-Butyl Alcohol	0.322	0.333	0.323	0.312	0.363	0.331	5.89
24) M	Methyl tert-Buty...	5.384	5.978	6.112	5.700	6.184	5.872	5.61
25) M	Chloroform	3.792	3.694	3.789	3.582	3.539	3.679	3.16
26)	Cyclohexane	2.731	3.175	3.482	4.218	3.452	3.412	15.90
27) s	1,2-Dichloroetha...	2.453	2.467	2.661	2.431	2.320	2.466	4.99
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.463	0.482	0.518	0.561	0.505	0.506	7.42
30) M	2-Butanone	0.241	0.255	0.259	0.241	0.280	0.255	6.28
31)	2,2-Dichloropropane	0.423	0.421	0.442	0.406	0.423	0.423	2.97
32) M	1,1,1-Trichloroe...	0.576	0.571	0.609	0.777	0.568	0.620	14.43
33) M	Carbon Tetrachlo...	0.491	0.511	0.562	0.627	0.505	0.539	10.34
34) M	Benzene	1.378	1.450	1.686	1.399	1.489	1.480	8.30
35)	Methacrylonitrile	0.279	0.270	0.275	0.262	0.290	0.275	3.69
36) M	1,2-Dichloroethane	0.563	0.533	0.680	0.560	0.534	0.574	10.59
37) M	Trichloroethene	0.372	0.360	0.371	0.348	0.367	0.364	2.78
38)	Methylcyclohexane	0.503	0.562	0.609	0.619	0.625	0.584	8.82
39) M	1,2-Dichloropropane	0.374	0.379	0.418	0.372	0.406	0.390	5.35
40)	Dibromomethane	0.338	0.260	0.282	0.261	0.252	0.279	12.59
41) M	Bromodichloromet...	0.671	0.514	0.563	0.533	0.527	0.562	11.37
42) M	Vinyl Acetate	0.820	0.929	0.960	0.908	1.018	0.927	7.87
43)	Ethyl Acetate	0.570	0.525	0.499	0.650	0.570	0.563	10.20
44)	Isopropyl Acetate	0.961	0.909	1.112	0.935	0.982	0.980	8.03
45) T	1,4-Dioxane	0.007	0.006	0.006	0.006	0.006	0.006#	5.36
46)	Methyl methacrylate	0.509	0.371	0.462	0.450	0.454	0.449	11.06
47)	n-amyl Acetate	0.678	0.630	0.997	1.287	0.851	0.888	29.95
48) M	t-1,3-Dichloropr...	0.662	0.525	0.697	0.911	0.610	0.681	21.14
49) T	cis-1,3-Dichloro...	0.687	0.563	0.611	0.955	0.632	0.689	22.45
50) M	1,1,2-Trichloroe...	0.465	0.361	0.527	0.552	0.366	0.454	19.44
51)	Ethyl methacrylate	0.646	0.543	0.953	0.998	0.663	0.761	26.57
52)	1,3-Dichloropropane	0.760	0.607	0.935	0.989	0.649	0.788	21.49
53) M	Dibromochloromet...	0.460	0.382	0.586	0.622	0.416	0.493	21.37
54) M	1,2-Dibromoethane	0.445	0.363	0.551	0.589	0.389	0.468	21.20
55) M	2-Chloroethyl vi...	0.147	0.117	0.164	0.240	0.181	0.170	27.14
56) M	Bromoform	0.277	0.265	0.356	0.457	0.302	0.331	23.71

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.626	0.607	0.444	0.622	0.628	0.585	13.59
59) M	2-Hexanone	0.428	0.425	0.480	0.452	0.450	0.447	5.01
60) S	4-Bromofluoroben...	0.412	0.454	0.433	0.498	0.494	0.458	8.23
61) M	Tetrachloroethene	0.362	0.363	0.362	0.331	0.326	0.349	5.38
62) M	Toluene	1.820	1.742	1.296	1.669	1.663	1.638	12.30
63) S	Toluene-d8	1.492	1.427	1.034	1.353	1.333	1.328	13.25
64) M	Chlorobenzene	1.025	1.041	1.073	1.053	1.056	1.050	1.70
65)	1,1,1,2-Tetrachl...	0.392	0.394	0.406	0.385	0.386	0.393	2.13
66) M	Ethyl Benzene	1.781	1.850	1.992	1.931	1.934	1.898	4.37
67) M	m/p-Xylenes	0.643	0.707	0.733	0.736	0.741	0.712	5.69
68) M	o-Xylene	0.628	0.696	0.650	0.735	0.742	0.690	7.31
69) M	Styrene	0.928	1.094	1.081	1.206	1.227	1.107	10.79
70)	Isopropylbenzene	1.561	1.765	1.698	1.888	1.904	1.763	8.04
71) M	1,1,2,2-Tetrachl...	0.514	0.555	0.491	0.553	0.546	0.532	5.33
72)	1,2,3-Trichlorop...	0.502	0.489	0.448	0.504	0.534	0.495	6.31
73)	Bromobenzene	0.347	0.409	0.366	0.429	0.428	0.396	9.43
74)	n-propylbenzene	1.688	2.002	1.911	2.197	2.208	2.001	10.80
75)	2-Chlorotoluene	1.081	1.210	1.119	1.300	1.300	1.202	8.39
76)	1,3,5-Trimethylb...	1.212	1.462	1.328	1.537	1.534	1.414	10.01
77)	t-1,4-Dichloro-2...	0.114	0.152	0.154	0.185	0.188	0.159	19.08
78)	4-Chlorotoluene	0.983	1.141	1.045	1.259	1.274	1.140	11.24
79)	tert-butylbenzene	1.032	1.271	1.055	1.372	1.371	1.220	13.67
80)	1,2,4-Trimethylb...	1.126	1.421	1.159	1.499	1.500	1.341	13.73
81)	sec-Butylbenzene	1.296	1.748	1.458	1.919	1.942	1.673	17.11
82)	p-Isopropyltoluene	0.925	1.413	1.182	1.572	1.590	1.336	21.11
83) M	1,3-Dichlorobenzene	0.496	0.708	0.564	0.753	0.756	0.655	18.10
84) M	1,4-Dichlorobenzene	0.469	0.675	0.559	0.730	0.735	0.634	18.35
85)	n-Butylbenzene	0.729	1.105	0.991	1.330	1.367	1.105	23.70
86) T	Hexachloroethane	0.196	0.280	0.226	0.300	0.307	0.262	18.64
87) M	1,2-Dichlorobenzene	0.508	0.685	0.582	0.713	0.704	0.638	14.10
88)	1,2-Dibromo-3-Ch...	0.078	0.101	0.080	0.107	0.110	0.095	15.77
89)	1,2,4-Trichlorob...	0.204	0.322	0.271	0.385	0.396	0.316	25.40
90)	Hexachlorobutadiene	0.132	0.183	0.138	0.182	0.179	0.163	15.59
91) M	Naphthalene	0.531	0.820	0.749	1.086	1.139	0.865	28.96
92)	1,2,3-Trichlorob...	0.201	0.320	0.258	0.363	0.374	0.303	24.07

(#) = Out of Range