

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N050523W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Sat May 06 04:35:04 2023
 Response Via : Initial Calibration

Calibration Files

5 =VN077599.D 20 =VN077601.D 50 =VN077602.D 100 =VN077604.D 10 =VN077600.D 75 =VN077603.D

	Compound	5	20	50	100	10	75	Avg	%RSD
1) I	Bromochloromethane	-----ISTD-----							
2) M	Dichlorodifluo...	2.153	2.100	2.087	2.129	2.196	2.210	2.146	2.35
3) M	Chloromethane	1.805	1.595	1.588	1.646	1.674	1.702	1.668	4.80
4) M	Vinyl Chloride	2.122	2.040	2.052	2.111	2.121	2.225	2.112	3.13
5) M	Bromomethane	1.743	1.438	1.448	1.521	1.542	1.517	1.535	7.19
6) M	Chloroethane	1.716	1.362	1.366	1.352	1.455	1.441	1.448	9.53
7) M	Trichlorofluor...	3.413	3.015	2.991	3.280	3.097	3.245	3.174	5.23
8) T	Diethyl Ether	1.173	1.138	1.108	1.130	1.124	1.172	1.141	2.33
9)	1,1,2-Trichlor...	1.820	1.724	1.691	1.721	1.713	1.792	1.743	2.91
10) M	1,1-Dichloroet...	1.707	1.600	1.604	1.662	1.655	1.725	1.659	3.10
11)	Methyl Iodide	1.994	1.917	2.032	2.144	1.892	2.205	2.030	6.11
12)	Methyl Acetate	2.816	2.832	2.841	2.918	2.848	3.010	2.877	2.56
13) M	Acrolein	0.349	0.318	0.309	0.329	0.330	0.330	0.328	4.08
14) M	Acrylonitrile	0.887	0.821	0.825	0.853	0.841	0.867	0.849	3.00
15) M	Acetone	0.255	0.217	0.220	0.222	0.226	0.230	0.228	6.00
16) M	Carbon Disulfide	4.248	3.809	3.982	4.164	3.930	4.244	4.063	4.48
17)	Allyl chloride	2.320	1.956	2.019	2.036	2.000	2.096	2.071	6.29
18) M	Methylene Chlo...	2.222	1.949	1.867	1.950	1.988	2.017	1.999	6.02
19) M	trans-1,2-Dich...	1.830	1.794	1.775	1.855	1.768	1.911	1.822	3.00
20) T	Diisopropyl ether	4.881	4.824	4.786	5.041	4.911	5.175	4.936	2.96
21) M	1,1-Dichloroet...	3.514	3.210	3.271	3.297	3.241	3.429	3.327	3.56
22) M	cis-1,2-Dichlo...	2.238	2.120	2.154	2.192	2.199	2.298	2.200	2.85
23) M	tert-Butyl Alc...	0.335	0.342	0.333	0.349	0.334	0.356	0.341	2.77
24) M	Methyl tert-Bu...	5.954	5.898	5.862	6.140	5.989	6.287	6.022	2.69
25) M	Chloroform	3.889	3.659	3.591	3.663	3.689	3.869	3.726	3.29
26)	Cyclohexane	2.712	2.584	2.674	2.727	2.731	2.815	2.707	2.81
27) s	1,2-Dichloroet...	2.466	2.406	2.385	2.435	2.521	2.363	2.429	2.38
28) I	1,4-Difluorobenzene	-----ISTD-----							
29)	1,1-Dichloropr...	0.442	0.441	0.448	0.426	0.413	0.465	0.440	4.09
30) M	2-Butanone	0.181	0.179	0.177	0.169	0.176	0.185	0.178	2.99
31)	2,2-Dichloropr...	0.509	0.480	0.477	0.463	0.459	0.517	0.484	4.90
32) M	1,1,1-Trichlor...	0.604	0.569	0.565	0.553	0.558	0.612	0.577	4.31
33) M	Carbon Tetrach...	0.492	0.480	0.473	0.466	0.448	0.516	0.479	4.85
34) M	Benzene	1.414	1.370	1.319	1.277	1.351	1.406	1.356	3.84
35)	Methacrylonitrile	0.200	0.199	0.197	0.181	0.192	0.215	0.197	5.59
36) M	1,2-Dichloroet...	0.521	0.492	0.462	0.440	0.481	0.499	0.482	5.93
37) M	Trichloroethene	0.350	0.330	0.321	0.317	0.319	0.349	0.331	4.59
38)	Methylcyclohexane	0.554	0.556	0.555	0.546	0.496	0.605	0.552	6.28
39) M	1,2-Dichloropr...	0.337	0.327	0.319	0.309	0.308	0.341	0.323	4.24
40)	Dibromomethane	0.256	0.251	0.243	0.230	0.244	0.260	0.247	4.26
41) M	Bromodichlorom...	0.484	0.496	0.479	0.483	0.468	0.530	0.490	4.40
42) M	Vinyl Acetate	0.525	0.521	0.510	0.512	0.494	0.553	0.519	3.84
43)	Ethyl Acetate	0.393	0.358	0.350	0.346	0.377	0.395	0.370	5.83
44)	Isopropyl Acetate	0.633	0.627	0.622	0.613	0.604	0.675	0.629	3.91
45) T	1,4-Dioxane	0.007	0.007	0.007	0.006	0.006	0.007	0.007	4.83
46)	Methyl methacr...	0.285	0.287	0.281	0.282	0.281	0.305	0.287	3.28
47)	n-amyl Acetate	0.410	0.482	0.526	0.543	0.422	0.575	0.493	13.55
48) M	t-1,3-Dichloro...	0.456	0.478	0.499	0.512	0.445	0.551	0.490	7.96
49) T	cis-1,3-Dichlo...	0.517	0.528	0.551	0.547	0.488	0.595	0.538	6.71
50) M	1,1,2-Trichlor...	0.366	0.347	0.343	0.331	0.337	0.366	0.349	4.24
51)	Ethyl methacry...	0.501	0.502	0.519	0.511	0.470	0.560	0.511	5.77
52)	1,3-Dichloropr...	0.601	0.588	0.576	0.552	0.582	0.617	0.586	3.74
53) M	Dibromochlorom...	0.330	0.353	0.359	0.357	0.332	0.399	0.355	7.11
54) M	1,2-Dibromoethane	0.352	0.347	0.356	0.345	0.339	0.380	0.353	4.08
55) M	2-Chloroethyl ...	0.150	0.162	0.172	0.176	0.161	0.195	0.170	9.12
56) M	Bromoform	0.192	0.206	0.222	0.233	0.178	0.252	0.214	12.76

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57) I	Chlorobenzene-d5	-----ISTD-----							
58) M	4-Methyl-2-Pen...	0.434	0.427	0.407	0.391	0.423	0.430	0.419	3.89
59) M	2-Hexanone	0.309	0.307	0.293	0.289	0.298	0.317	0.302	3.47
60) S	4-Bromofluorob...	0.449	0.480	0.482	0.496	0.464	0.486	0.476	3.56
61) M	Tetrachloroethene	0.275	0.292	0.270	0.262	0.278	0.287	0.277	3.94
62) M	Toluene	1.805	1.700	1.625	1.568	1.685	1.738	1.687	4.94
63) S	Toluene-d8	1.454	1.461	1.380	1.374	1.447	1.369	1.414	3.09
64) M	Chlorobenzene	1.019	1.013	0.975	0.962	0.984	1.049	1.000	3.24
65)	1,1,1,2-Tetrac...	0.363	0.384	0.360	0.349	0.354	0.383	0.365	4.04
66) M	Ethyl Benzene	1.827	1.854	1.801	1.774	1.737	1.952	1.824	4.10
67) M	m/p-Xylenes	0.691	0.710	0.688	0.684	0.659	0.741	0.696	3.98
68) M	o-Xylene	0.691	0.695	0.686	0.678	0.668	0.737	0.692	3.48
69) M	Styrene	1.042	1.109	1.099	1.115	0.965	1.211	1.090	7.53
70)	Isopropylbenzene	1.713	1.819	1.803	1.782	1.638	1.940	1.782	5.73
71) M	1,1,2,2-Tetrac...	0.579	0.554	0.534	0.535	0.548	0.576	0.554	3.48
72)	1,2,3-Trichlor...	0.499	0.485	0.467	0.450	0.459	0.503	0.477	4.56
73)	Bromobenzene	0.364	0.371	0.366	0.368	0.343	0.396	0.368	4.64
74)	n-propylbenzene	1.804	1.998	2.043	2.045	1.748	2.229	1.978	8.91
75)	2-Chlorotoluene	1.165	1.253	1.239	1.235	1.141	1.355	1.231	6.13
76)	1,3,5-Trimethy...	1.114	1.411	1.482	1.493	1.157	1.622	1.380	14.59
77)	t-1,4-Dichloro...	0.115	0.136	0.156	0.165	0.119	0.177	0.145	17.48
78)	4-Chlorotoluene	1.069	1.176	1.188	1.203	1.053	1.296	1.164	7.79
79)	tert-butylbenzene	1.244	1.280	1.280	1.274	1.163	1.381	1.270	5.53
80)	1,2,4-Trimethy...	0.954	1.262	1.433	1.470	0.997	1.592	1.285	20.42
81)	sec-Butylbenzene	1.561	1.786	1.824	1.856	1.547	2.006	1.763	10.13
82)	p-Isopropyltol...	1.124	1.355	1.456	1.487	1.125	1.587	1.355	14.30
83) M	1,3-Dichlorobe...	0.603	0.665	0.675	0.682	0.589	0.730	0.657	8.01
84) M	1,4-Dichlorobe...	0.568	0.651	0.668	0.687	0.568	0.738	0.647	10.44
85)	n-Butylbenzene	0.755	1.007	1.184	1.293	0.780	1.374	1.065	24.56
86) T	Hexachloroethane	0.230	0.261	0.275	0.285	0.234	0.305	0.265	11.06
87) M	1,2-Dichlorobe...	0.595	0.675	0.681	0.684	0.613	0.737	0.664	7.83
88)	1,2-Dibromo-3-...	0.104	0.098	0.107	0.106	0.100	0.116	0.105	5.87
89)	1,2,4-Trichlor...	0.094	0.138	0.211	0.283	0.097	0.284	0.185	47.56
90)	Hexachlorobuta...	0.132	0.133	0.136	0.140	0.114	0.152	0.134	9.26
91) M	Naphthalene	0.254	0.493	0.814	1.094	0.306	1.087	0.674	55.91
92)	1,2,3-Trichlor...	0.082	0.130	0.199	0.267	0.091	0.260	0.172	48.01

(#) = Out of Range