

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N081723W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Aug 18 05:21:14 2023
 Response Via : Initial Calibration

Calibration Files

5 =VN078923.D 20 =VN078921.D 50 =VN078924.D 100 =VN078918.D 10 =VN078922.D

Compound		5	20	50	100	10	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	2.032	1.901	1.862	1.856	1.813	1.893	4.43
3) M	Chloromethane	2.534	2.290	2.173	2.130	2.216	2.269	7.04
4) M	Vinyl Chloride	2.409	2.270	2.182	2.182	2.184	2.245	4.40
5) M	Bromomethane	1.681	1.354	1.274	1.277	1.344	1.386	12.19
6) M	Chloroethane	1.643	1.426	1.428	1.355	1.443	1.459	7.41
7) M	Trichlorofluorom...	3.233	2.940	2.980	2.942	3.026	3.024	4.03
8) T	Diethyl Ether	1.149	1.156	1.151	1.163	1.067	1.137	3.47
9)	1,1,2-Trichlorot...	1.694	1.593	1.559	1.544	1.508	1.579	4.50
10) M	1,1-Dichloroethene	1.618	1.641	1.571	1.586	1.530	1.589	2.71
11)	Methyl Iodide	1.910	1.933	1.975	2.094	1.676	1.918	7.94
12)	Methyl Acetate	3.846	3.793	3.795	3.567	3.623	3.725	3.28
13) M	Acrolein	0.330	0.249	0.230	0.212	0.278	0.260	17.74
14) M	Acrylonitrile	0.956	1.013	1.024	0.971	0.932	0.979	3.94
15) M	Acetone	0.273	0.298	0.281	0.402	0.249	0.300	19.85
16) M	Carbon Disulfide	5.006	4.696	4.333	4.432	4.363	4.566	6.23
17)	Allyl chloride	3.224	2.925	2.772	2.900	2.742	2.913	6.57
18) M	Methylene Chloride	2.061	1.932	1.883	1.845	1.778	1.900	5.59
19) M	trans-1,2-Dichlo...	1.889	1.751	1.722	1.753	1.827	1.788	3.81
20) T	Diisopropyl ether	6.096	6.504	6.387	6.713	5.978	6.336	4.72
21) M	1,1-Dichloroethane	3.685	3.587	3.545	3.518	3.243	3.516	4.69
22) M	cis-1,2-Dichloro...	2.033	2.162	2.096	2.061	1.882	2.047	5.09
23) M	tert-Butyl Alcohol	0.382	0.386	0.378	0.347	0.333	0.365	6.49
24) M	Methyl tert-Buty...	5.529	5.888	5.746	5.774	5.267	5.641	4.36
25) M	Chloroform	3.708	3.537	3.558	3.494	3.411	3.542	3.07
26)	Cyclohexane	2.652	2.630	2.647	2.606	2.323	2.572	5.44
27) s	1,2-Dichloroetha...	2.472	2.434	2.384	2.383	2.479	2.430	1.90
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.444	0.478	0.470	0.479	0.411	0.456	6.38
30) M	2-Butanone	0.262	0.267	0.269	0.302	0.236	0.267	8.79
31)	2,2-Dichloropropane	0.498	0.518	0.517	0.547	0.442	0.504	7.76
32) M	1,1,1-Trichloroe...	0.579	0.556	0.549	0.542	0.498	0.545	5.49
33) M	Carbon Tetrachlo...	0.466	0.487	0.483	0.482	0.443	0.472	3.88
34) M	Benzene	1.410	1.403	1.373	1.373	1.279	1.368	3.82
35)	Methacrylonitrile	0.293	0.298	0.306	0.274	0.253	0.285	7.51
36) M	1,2-Dichloroethane	0.538	0.513	0.516	0.515	0.478	0.512	4.22
37) M	Trichloroethene	0.362	0.339	0.339	0.345	0.317	0.340	4.67
38)	Methylcyclohexane	0.418	0.411	0.424	0.389	0.365	0.402	6.06
39) M	1,2-Dichloropropane	0.385	0.367	0.370	0.371	0.348	0.368	3.60
40)	Dibromomethane	0.252	0.252	0.250	0.240	0.240	0.247	2.48
41) M	Bromodichloromet...	0.514	0.508	0.502	0.507	0.452	0.497	5.06
42) M	Vinyl Acetate	0.729	0.786	0.787	0.787	0.678	0.753	6.51
43)	Ethyl Acetate	0.556	0.509	0.544	0.497	0.485	0.518	5.89
44)	Isopropyl Acetate	0.960	0.944	0.913	0.898	0.851	0.913	4.65
45) T	1,4-Dioxane	0.007	0.007	0.007	0.007	0.006	0.007	4.93
46)	Methyl methacrylate	0.399	0.420	0.437	0.428	0.327	0.402	11.03
47)	n-amyl Acetate	0.624	0.740	0.774	0.793	0.574	0.701	13.74
48) M	t-1,3-Dichloropr...	0.513	0.539	0.551	0.577	0.464	0.529	8.09
49) T	cis-1,3-Dichloro...	0.548	0.580	0.592	0.602	0.512	0.567	6.48
50) M	1,1,2-Trichloroe...	0.332	0.349	0.343	0.329	0.316	0.334	3.83
51)	Ethyl methacrylate	0.479	0.541	0.548	0.558	0.457	0.516	8.78
52)	1,3-Dichloropropane	0.624	0.609	0.605	0.602	0.548	0.598	4.87
53) M	Dibromochloromet...	0.372	0.363	0.375	0.377	0.338	0.365	4.34
54) M	1,2-Dibromoethane	0.346	0.350	0.347	0.347	0.323	0.343	3.24
55) M	2-Chloroethyl vi...	0.227	0.230	0.244	0.238	0.255	0.239	4.78
56) M	Bromoform	0.250	0.260	0.271	0.277	0.231	0.258	7.05

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		-----ISTD-----							
57) I	Chlorobenzene-d5								
58) M	4-Methyl-2-Penta...	0.625	0.588	0.617	0.585	0.561	0.595		4.37
59) M	2-Hexanone	0.430	0.435	0.453	0.469	0.394	0.436		6.49
60) S	4-Bromofluoroben...	0.413	0.435	0.455	0.461	0.424	0.438		4.71
61) M	Tetrachloroethene	0.301	0.291	0.293	0.288	0.280	0.290		2.68
62) M	Toluene	1.699	1.637	1.658	1.643	1.553	1.638		3.26
63) S	Toluene-d8	1.432	1.389	1.375	1.379	1.430	1.401		1.99
64) M	Chlorobenzene	1.050	0.993	0.983	0.983	0.916	0.985		4.83
65)	1,1,1,2-Tetrachl...	0.400	0.380	0.383	0.379	0.342	0.377		5.62
66) M	Ethyl Benzene	1.699	1.697	1.777	1.798	1.596	1.713		4.65
67) M	m/p-Xylenes	0.626	0.647	0.668	0.679	0.574	0.639		6.52
68) M	o-Xylene	0.620	0.628	0.662	0.667	0.572	0.630		6.05
69) M	Styrene	0.953	1.045	1.095	1.132	0.892	1.023		9.75
70)	Isopropylbenzene	1.502	1.538	1.602	1.601	1.386	1.526		5.83
71) M	1,1,2,2-Tetrachl...	0.607	0.571	0.576	0.553	0.554	0.572		3.83
72)	1,2,3-Trichlorop...	0.484	0.454	0.482	0.457	0.470	0.469		2.94
73)	Bromobenzene	0.387	0.387	0.399	0.406	0.363	0.389		4.21
74)	n-propylbenzene	1.619	1.759	1.863	1.855	1.551	1.730		8.10
75)	2-Chlorotoluene	1.060	1.102	1.158	1.150	1.017	1.097		5.46
76)	1,3,5-Trimethylb...	1.207	1.222	1.286	1.257	1.077	1.210		6.64
77)	t-1,4-Dichloro-2...	0.154	0.173	0.193	0.197	0.155	0.174		11.54
78)	4-Chlorotoluene	0.972	1.059	1.129	1.170	0.926	1.051		9.76
79)	tert-butylbenzene	1.035	1.005	1.106	1.050	0.916	1.022		6.83
80)	1,2,4-Trimethylb...	1.121	1.211	1.283	1.280	1.052	1.190		8.51
81)	sec-Butylbenzene	1.308	1.385	1.444	1.377	1.231	1.349		6.08
82)	p-Isopropyltoluene	1.030	1.152	1.208	1.151	0.967	1.101		9.02
83) M	1,3-Dichlorobenzene	0.586	0.615	0.687	0.703	0.545	0.627		10.65
84) M	1,4-Dichlorobenzene	0.537	0.635	0.663	0.710	0.533	0.616		12.70
85)	n-Butylbenzene	0.753	0.892	0.973	0.973	0.740	0.866		13.20
86) T	Hexachloroethane	0.231	0.222	0.232	0.227	0.215	0.225		3.11
87) M	1,2-Dichlorobenzene	0.616	0.655	0.684	0.690	0.566	0.642		8.06
88)	1,2-Dibromo-3-Ch...	0.091	0.109	0.108	0.105	0.100	0.103		7.06
89)	1,2,4-Trichlorob...	0.221	0.270	0.273	0.284	0.219	0.254		12.30
90)	Hexachlorobutadiene	0.132	0.145	0.129	0.120	0.135	0.132		6.79
91) M	Naphthalene	0.494	0.780	0.848	0.960	0.575	0.731		26.38
92)	1,2,3-Trichlorob...	0.221	0.270	0.273	0.284	0.219	0.254		12.30

(#) = Out of Range