

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N062323W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Sat Jun 24 00:59:50 2023
 Response Via : Initial Calibration

Calibration Files

5 =VN078371.D 20 =VN078369.D 50 =VN078367.D 100 =VN078368.D 10 =VN078370.D

Compound		5	20	50	100	10	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.887	1.926	1.729	1.690	1.852	1.817	5.63
3) M	Chloromethane	2.237	2.294	2.056	2.053	2.317	2.191	5.87
4) M	Vinyl Chloride	2.866	2.868	2.518	2.442	2.784	2.695	7.48
5) M	Bromomethane	2.721	2.302	1.743	1.935	2.256	2.191	17.13
6) M	Chloroethane	2.460	1.879	1.744	1.570	1.947	1.920	17.42
7) M	Trichlorofluorom...	3.415	3.326	2.994	2.939	3.187	3.172	6.48
8) T	Diethyl Ether	1.036	1.108	0.997	1.031	1.124	1.059	5.12
9)	1,1,2-Trichlorot...	1.903	1.763	1.581	1.620	1.755	1.724	7.43
10) M	1,1-Dichloroethene	1.831	1.710	1.593	1.603	1.717	1.691	5.76
11)	Methyl Iodide	2.388	2.459	2.399	2.422	2.309	2.396	2.31
12)	Methyl Acetate	2.857	2.643	2.418	2.454	2.745	2.623	7.15
13) M	Acrolein	0.369	0.325	0.304	0.313	0.331	0.328	7.59
14) M	Acrylonitrile	0.720	0.732	0.698	0.707	0.697	0.711	2.13
15) M	Acetone	0.217	0.230	0.182	0.181	0.203	0.203	10.63
16) M	Carbon Disulfide	5.066	4.787	4.294	4.385	4.572	4.621	6.76
17)	Allyl chloride	2.265	2.157	2.010	2.062	2.110	2.121	4.59
18) M	Methylene Chloride	2.312	2.001	1.874	1.826	2.004	2.004	9.45
19) M	trans-1,2-Dichlo...	2.036	1.864	1.759	1.754	1.918	1.866	6.31
20) T	Diisopropyl ether	5.493	5.132	4.916	4.973	4.959	5.095	4.66
21) M	1,1-Dichloroethane	3.745	3.449	3.168	3.206	3.327	3.379	6.88
22) M	cis-1,2-Dichloro...	2.189	2.173	2.038	2.061	2.154	2.123	3.23
23) M	tert-Butyl Alcohol	0.317	0.267	0.234	0.243	0.266	0.265	12.21
24) M	Methyl tert-Buty...	5.611	5.469	5.107	5.225	5.247	5.332	3.82
25) M	Chloroform	3.743	3.609	3.447	3.444	3.613	3.571	3.55
26)	Cyclohexane	2.386	2.470	2.407	2.451	2.377	2.418	1.68
27) s	1,2-Dichloroetha...	2.359	2.181	2.282	2.187	2.287	2.259	3.32
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.473	0.469	0.447	0.465	0.471	0.465	2.22
30) M	2-Butanone	0.168	0.172	0.150	0.161	0.164	0.163	5.11
31)	2,2-Dichloropropane	0.483	0.513	0.480	0.498	0.512	0.497	3.17
32) M	1,1,1-Trichloroe...	0.601	0.564	0.542	0.556	0.570	0.567	3.88
33) M	Carbon Tetrachlo...	0.511	0.489	0.477	0.501	0.491	0.494	2.57
34) M	Benzene	1.441	1.407	1.318	1.377	1.392	1.387	3.28
35)	Methacrylonitrile	0.208	0.188	0.174	0.187	0.177	0.187	7.05
36) M	1,2-Dichloroethane	0.495	0.472	0.451	0.466	0.479	0.473	3.48
37) M	Trichloroethene	0.368	0.367	0.337	0.355	0.344	0.354	3.85
38)	Methylcyclohexane	0.404	0.427	0.391	0.424	0.397	0.409	3.96
39) M	1,2-Dichloropropane	0.355	0.353	0.335	0.346	0.348	0.347	2.20
40)	Dibromomethane	0.265	0.249	0.236	0.245	0.260	0.251	4.60
41) M	Bromodichloromet...	0.502	0.494	0.469	0.496	0.473	0.487	3.08
42) M	Vinyl Acetate	0.507	0.538	0.498	0.538	0.516	0.519	3.51
43)	Ethyl Acetate	0.348	0.333	0.332	0.340	0.362	0.343	3.66
44)	Isopropyl Acetate	0.709	0.611	0.588	0.613	0.579	0.620	8.36
45) T	1,4-Dioxane	0.006	0.005	0.005	0.005	0.005	0.005	10.32
46)	Methyl methacrylate	0.275	0.297	0.265	0.284	0.259	0.276	5.46
47)	n-amyl Acetate	0.395	0.468	0.470	0.518	0.428	0.456	10.29
48) M	t-1,3-Dichloropr...	0.489	0.516	0.491	0.539	0.465	0.500	5.69
49) T	cis-1,3-Dichloro...	0.538	0.571	0.539	0.574	0.534	0.551	3.55
50) M	1,1,2-Trichloroe...	0.346	0.346	0.323	0.333	0.331	0.336	2.95
51)	Ethyl methacrylate	0.444	0.471	0.456	0.499	0.428	0.460	5.89
52)	1,3-Dichloropropane	0.600	0.563	0.537	0.571	0.550	0.564	4.22
53) M	Dibromochloromet...	0.341	0.370	0.348	0.376	0.348	0.356	4.35
54) M	1,2-Dibromoethane	0.349	0.347	0.321	0.346	0.331	0.339	3.59
55) M	2-Chloroethyl vi...	0.151	0.169	0.175	0.198	0.154	0.170	11.07
56) M	Bromoform	0.194	0.222	0.221	0.243	0.210	0.218	8.26

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		-----ISTD-----							
57) I	Chlorobenzene-d5								
58) M	4-Methyl-2-Penta...	0.428	0.416	0.374	0.383	0.403	0.401		5.62
59) M	2-Hexanone	0.288	0.294	0.260	0.271	0.271	0.277		4.93
60) S	4-Bromofluoroben...	0.390	0.427	0.442	0.441	0.414	0.423		5.16
61) M	Tetrachloroethene	0.371	0.331	0.306	0.307	0.329	0.329		8.08
62) M	Toluene	1.845	1.814	1.636	1.677	1.758	1.746		5.08
63) S	Toluene-d8	1.519	1.455	1.429	1.396	1.470	1.454		3.15
64) M	Chlorobenzene	1.116	1.068	0.984	1.000	1.006	1.035		5.39
65)	1,1,1,2-Tetrachl...	0.445	0.409	0.369	0.377	0.395	0.399		7.56
66) M	Ethyl Benzene	1.794	1.847	1.723	1.809	1.709	1.777		3.30
67) M	m/p-Xylenes	0.666	0.701	0.659	0.683	0.649	0.672		3.09
68) M	o-Xylene	0.633	0.690	0.637	0.667	0.629	0.651		4.04
69) M	Styrene	0.941	1.083	1.042	1.103	0.989	1.031		6.50
70)	Isopropylbenzene	1.584	1.657	1.559	1.637	1.567	1.601		2.74
71) M	1,1,2,2-Tetrachl...	0.563	0.537	0.486	0.491	0.526	0.521		6.23
72)	1,2,3-Trichlorop...	0.440	0.433	0.435	0.447	0.414	0.434		2.91
73)	Bromobenzene	0.382	0.399	0.369	0.389	0.375	0.383		3.05
74)	n-propylbenzene	1.634	1.824	1.735	1.849	1.660	1.741		5.50
75)	2-Chlorotoluene	1.353	1.190	1.086	1.150	1.113	1.178		8.94
76)	1,3,5-Trimethylb...	1.479	1.336	1.245	1.306	1.271	1.327		6.88
77)	t-1,4-Dichloro-2...	0.123	0.150	0.145	0.161	0.123	0.140		12.06
78)	4-Chlorotoluene	1.201	1.094	1.055	1.159	1.005	1.103		7.13
79)	tert-butylbenzene	1.311	1.125	0.991	1.048	0.985	1.092		12.37
80)	1,2,4-Trimethylb...	1.231	1.315	1.236	1.285	1.204	1.254		3.56
81)	sec-Butylbenzene	1.330	1.447	1.302	1.388	1.343	1.362		4.19
82)	p-Isopropyltoluene	1.040	1.166	1.085	1.151	1.036	1.096		5.55
83) M	1,3-Dichlorobenzene	0.534	0.626	0.620	0.662	0.591	0.607		7.88
84) M	1,4-Dichlorobenzene	0.494	0.609	0.607	0.646	0.575	0.586		9.75
85)	n-Butylbenzene	0.712	0.910	0.805	0.895	0.724	0.809		11.40
86) T	Hexachloroethane	0.219	0.216	0.201	0.218	0.201	0.211		4.20
87) M	1,2-Dichlorobenzene	0.533	0.620	0.617	0.645	0.590	0.601		7.09
88)	1,2-Dibromo-3-Ch...	0.082	0.078	0.075	0.081	0.075	0.078		4.26
89)	1,2,4-Trichlorob...	0.127	0.200	0.200	0.239	0.151	0.183		24.36
90)	Hexachlorobutadiene	0.142	0.138	0.101	0.105	0.137	0.125		15.92
91) M	Naphthalene	0.439	0.637	0.615	0.804	0.509	0.601		23.13
92)	1,2,3-Trichlorob...	0.161	0.228	0.215	0.253	0.203	0.212		15.96

(#) = Out of Range