

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X042822W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Apr 29 06:09:36 2022
 Response Via : Initial Calibration

Calibration Files

5 =VX028404.D 20 =VX028405.D 50 =VX028406.D 100 =VX028407.D 150 =VX028408.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.016	1.083	1.060	1.083	1.066	1.061	2.58
3) M	Chloromethane	0.843	0.844	0.847	0.838	0.812	0.837	1.72
4) M	Vinyl Chloride	1.055	1.066	1.059	1.090	1.049	1.064	1.49
5) M	Bromomethane	1.157	0.854	0.840	0.813	0.718	0.876	18.87
6) M	Chloroethane	0.862	0.809	0.818	0.817	0.791	0.819	3.19
7) M	Trichlorofluorom...	2.390	2.289	2.328	2.349	2.273	2.326	2.01
8) T	Diethyl Ether	0.928	0.899	0.919	0.929	0.912	0.917	1.34
9)	1,1,2-Trichlorot...	1.502	1.290	1.351	1.388	1.308	1.368	6.16
10) M	1,1-Dichloroethene	1.165	1.074	1.128	1.158	1.131	1.131	3.18
11)	Methyl Iodide	1.226	1.367	1.587	1.700	1.716	1.519	14.16
12)	Methyl Acetate	1.785	1.802	1.845	1.799	1.797	1.806	1.28
13) M	Acrolein	0.374	0.348	0.380	0.368	0.362	0.366	3.35
14) M	Acrylonitrile	0.818	0.831	0.843	0.812	0.805	0.822	1.82
15) M	Acetone	0.244	0.233	0.236	0.226	0.225	0.233	3.37
16) M	Carbon Disulfide	1.233	1.222	1.327	1.439	1.461	1.337	8.35
17)	Allyl chloride	1.632	1.633	1.749	1.744	1.740	1.699	3.62
18) M	Methylene Chloride	1.590	1.400	1.434	1.430	1.412	1.453	5.36
19) M	trans-1,2-Dichlo...	1.273	1.214	1.253	1.270	1.237	1.249	1.98
20) T	Diisopropyl ether	4.346	4.162	4.241	4.243	4.128	4.224	2.00
21) M	1,1-Dichloroethane	2.580	2.437	2.487	2.515	2.464	2.497	2.20
22) M	cis-1,2-Dichloro...	1.802	1.716	1.767	1.780	1.730	1.759	2.02
23) M	tert-Butyl Alcohol	0.578	0.441	0.414	0.389	0.397	0.444	17.50
24) M	Methyl tert-Buty...	5.104	4.870	4.979	5.011	4.900	4.973	1.87
25) M	Chloroform	3.005	2.868	2.951	2.950	2.893	2.934	1.84
26)	Cyclohexane	1.589	1.557	1.574	1.607	1.566	1.578	1.24
27) s	1,2-Dichloroetha...	1.919	1.919	1.891	1.900	1.910	1.908	0.64
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.320	0.314	0.325	0.321	0.315	0.319	1.40
30) M	2-Butanone	0.193	0.204	0.211	0.200	0.197	0.201	3.42
31)	2,2-Dichloropropane	0.381	0.374	0.399	0.409	0.396	0.392	3.63
32) M	1,1,1-Trichloroe...	0.432	0.431	0.464	0.463	0.454	0.449	3.57
33) M	Carbon Tetrachlo...	0.352	0.367	0.396	0.402	0.393	0.382	5.66
34) M	Benzene	1.050	0.996	1.033	1.017	0.986	1.016	2.58
35)	Methacrylonitrile	0.192	0.206	0.207	0.202	0.205	0.203	2.90
36) M	1,2-Dichloroethane	0.392	0.374	0.388	0.375	0.365	0.379	2.87
37) M	Trichloroethene	0.315	0.299	0.317	0.317	0.309	0.311	2.49
38)	Methylcyclohexane	0.328	0.321	0.330	0.335	0.321	0.327	1.80
39) M	1,2-Dichloropropane	0.269	0.262	0.272	0.271	0.262	0.267	1.75
40)	Dibromomethane	0.201	0.203	0.209	0.208	0.203	0.205	1.85
41) M	Bromodichloromet...	0.357	0.364	0.406	0.410	0.407	0.389	6.72
42) M	Vinyl Acetate	0.590	0.620	0.653	0.638	0.615	0.623	3.88
43)	Ethyl Acetate	0.379	0.377	0.380	0.372	0.373	0.376	0.92
44)	Isopropyl Acetate	0.558	0.587	0.635	0.626	0.627	0.607	5.41
45) T	1,4-Dioxane	0.007	0.008	0.009	0.008	0.008	0.008	6.74
46)	Methyl methacrylate	0.254	0.269	0.290	0.289	0.285	0.277	5.64
47)	n-amyl Acetate	0.423	0.497	0.567	0.570	0.571	0.525	12.42
48) M	t-1,3-Dichloropr...	0.332	0.371	0.440	0.449	0.451	0.408	13.19
49) T	cis-1,3-Dichloro...	0.380	0.417	0.461	0.471	0.466	0.439	8.95
50) M	1,1,2-Trichloroe...	0.320	0.313	0.336	0.323	0.320	0.322	2.59
51)	Ethyl methacrylate	0.407	0.441	0.489	0.483	0.486	0.461	7.79
52)	1,3-Dichloropropane	0.511	0.494	0.519	0.503	0.493	0.504	2.23
53) M	Dibromochloromet...	0.265	0.299	0.352	0.363	0.369	0.330	13.73
54) M	1,2-Dibromoethane	0.324	0.327	0.350	0.339	0.336	0.335	3.08
55) M	2-Chloroethyl vi...	0.203	0.232	0.268	0.257	0.250	0.242	10.53
56) M	Bromoform	0.194	0.215	0.272	0.288	0.302	0.254	18.62

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		-----ISTD-----							
57) I	Chlorobenzene-d5								
58) M	4-Methyl-2-Penta...	0.434	0.451	0.450	0.430	0.417	0.436		3.28
59) M	2-Hexanone	0.325	0.351	0.350	0.337	0.327	0.338		3.62
60) S	4-Bromofluoroben...	0.447	0.466	0.467	0.471	0.481	0.467		2.65
61) M	Tetrachloroethene	0.359	0.327	0.325	0.331	0.312	0.331		5.19
62) M	Toluene	1.351	1.303	1.306	1.303	1.242	1.301		2.98
63) S	Toluene-d8	1.282	1.302	1.257	1.266	1.247	1.271		1.72
64) M	Chlorobenzene	0.943	0.912	0.924	0.920	0.890	0.918		2.09
65)	1,1,1,2-Tetrachl...	0.341	0.347	0.368	0.372	0.365	0.359		3.85
66) M	Ethyl Benzene	1.567	1.530	1.556	1.549	1.467	1.534		2.58
67) M	m/p-Xylenes	0.622	0.611	0.623	0.623	0.596	0.615		1.90
68) M	o-Xylene	0.624	0.619	0.633	0.632	0.616	0.625		1.23
69) M	Styrene	0.995	1.028	1.068	1.071	1.057	1.044		3.11
70)	Isopropylbenzene	1.666	1.628	1.640	1.622	1.573	1.626		2.08
71) M	1,1,2,2-Tetrachl...	0.555	0.555	0.564	0.550	0.536	0.552		1.84
72)	1,2,3-Trichlorop...	0.488	0.495	0.504	0.492	0.476	0.491		2.06
73)	Bromobenzene	0.443	0.422	0.444	0.445	0.438	0.438		2.19
74)	n-propylbenzene	1.815	1.785	1.850	1.837	1.777	1.813		1.76
75)	2-Chlorotoluene	1.154	1.114	1.134	1.116	1.096	1.123		1.97
76)	1,3,5-Trimethylb...	1.371	1.356	1.372	1.372	1.346	1.363		0.85
77)	t-1,4-Dichloro-2...	0.099	0.128	0.160	0.175	0.182	0.149	23.39	
78)	4-Chlorotoluene	1.265	1.246	1.282	1.286	1.272	1.270		1.25
79)	tert-butylbenzene	1.359	1.331	1.420	1.422	1.383	1.383		2.84
80)	1,2,4-Trimethylb...	1.368	1.349	1.401	1.385	1.340	1.369		1.82
81)	sec-Butylbenzene	1.655	1.604	1.663	1.665	1.610	1.640		1.82
82)	p-Isopropyltoluene	1.413	1.383	1.449	1.451	1.420	1.423		1.99
83) M	1,3-Dichlorobenzene	0.806	0.798	0.833	0.848	0.826	0.822		2.48
84) M	1,4-Dichlorobenzene	0.845	0.805	0.842	0.855	0.832	0.836		2.28
85)	n-Butylbenzene	1.108	1.096	1.159	1.200	1.180	1.149		3.93
86) T	Hexachloroethane	0.178	0.200	0.234	0.251	0.257	0.224	15.21	
87) M	1,2-Dichlorobenzene	0.855	0.804	0.832	0.837	0.813	0.828		2.44
88)	1,2-Dibromo-3-Ch...	0.099	0.112	0.122	0.129	0.128	0.118	10.73	
89)	1,2,4-Trichlorob...	0.517	0.485	0.512	0.541	0.531	0.517		4.16
90)	Hexachlorobutadiene	0.232	0.204	0.217	0.225	0.219	0.219		4.62
91) M	Naphthalene	1.831	1.748	1.834	1.857	1.768	1.808		2.59
92)	1,2,3-Trichlorob...	0.523	0.484	0.518	0.541	0.526	0.519		4.08

(#) = Out of Range