

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N042823W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Apr 28 16:20:59 2023
 Response Via : Initial Calibration

Calibration Files

5 =VN077502.D 20 =VN077498.D 50 =VN077499.D

Compound		5	20	50	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----				
2) M	Dichlorodifluoro...	3.882	3.774	3.549	3.735	4.55
3) M	Chloromethane	3.009	2.772	2.497	2.759	9.28
4) M	Vinyl Chloride	4.086	3.912	3.515	3.837	7.63
5) M	Bromomethane	3.997	3.074	2.647	3.239	21.29
6) M	Chloroethane	3.242	2.678	2.370	2.763	16.01
7) M	Trichlorofluorom...	6.037	5.735	5.206	5.659	7.43
8) T	Diethyl Ether	2.064	1.999	1.878	1.980	4.76
9)	1,1,2-Trichlorot...	3.342	3.273	2.981	3.198	5.98
10) M	1,1-Dichloroethene	3.237	3.080	2.888	3.068	5.69
11)	Methyl Iodide	3.645	3.861	3.787	3.764	2.91
12)	Methyl Acetate	4.544	4.633	4.099	4.425	6.46
13) M	Acrolein	0.551	0.556	0.484	0.531	7.60
14) M	Acrylonitrile	1.427	1.375	1.271	1.358	5.85
15) M	Acetone	0.428	0.482	0.390	0.433	10.70
16) M	Carbon Disulfide	8.203	7.637	7.244	7.695	6.26
17)	Allyl chloride	3.620	3.309	3.165	3.365	6.91
18) M	Methylene Chloride	3.921	3.644	3.294	3.620	8.69
19) M	trans-1,2-Dichlo...	3.559	3.432	3.180	3.390	5.69
20) T	Diisopropyl ether	7.998	8.024	7.475	7.832	3.95
21) M	1,1-Dichloroethane	5.932	5.807	5.432	5.724	4.54
22) M	cis-1,2-Dichloro...	4.290	4.089	3.803	4.061	6.02
23) M	tert-Butyl Alcohol	0.635	0.586	0.536	0.586	8.50
24) M	Methyl tert-Buty...	1.125	1.058	1.011	1.064	E1 5.38
25) M	Chloroform	6.722	6.749	6.264	6.579	4.14
26)	Cyclohexane	4.833	4.776	4.398	4.669	5.07
27) s	1,2-Dichloroetha...	2.792	2.695	2.537	2.675	4.80
28) I	1,4-Difluorobenzene	-----ISTD-----				
29)	1,1-Dichloropropene	0.627	0.638	0.633	0.632	0.88
30) M	2-Butanone	0.233	0.240	0.222	0.232	3.86
31)	2,2-Dichloropropane	0.723	0.749	0.748	0.740	2.02
32) M	1,1,1-Trichloroe...	0.788	0.838	0.822	0.816	3.13
33) M	Carbon Tetrachlo...	0.698	0.714	0.713	0.708	1.29
34) M	Benzene	1.940	1.976	1.919	1.945	1.49
35)	Methacrylonitrile	0.242	0.241	0.227	0.237	3.45
36) M	1,2-Dichloroethane	0.657	0.688	0.647	0.664	3.22
37) M	Trichloroethene	0.493	0.494	0.487	0.492	0.81
38)	Methylcyclohexane	0.806	0.841	0.846	0.831	2.60
39) M	1,2-Dichloropropane	0.463	0.449	0.439	0.450	2.71
40)	Dibromomethane	0.363	0.353	0.350	0.355	1.91
41) M	Bromodichloromet...	0.679	0.708	0.718	0.702	2.90
42) M	Vinyl Acetate	0.760	0.669	0.761	0.730	7.24
43)	Ethyl Acetate	0.444	0.472	0.430	0.449	4.82
44)	Isopropyl Acetate	0.772	0.826	0.787	0.795	3.54
45) T	1,4-Dioxane	0.010	0.010	0.009	0.010	3.17
46)	Methyl methacrylate	0.361	0.365	0.359	0.362	0.86
47)	n-amyl Acetate	0.591	0.640	0.681	0.637	7.09
48) M	t-1,3-Dichloropr...	0.664	0.725	0.755	0.714	6.50
49) T	cis-1,3-Dichloro...	0.719	0.793	0.801	0.771	5.82
50) M	1,1,2-Trichloroe...	0.493	0.516	0.504	0.504	2.36
51)	Ethyl methacrylate	0.663	0.709	0.722	0.698	4.43
52)	1,3-Dichloropropane	0.806	0.836	0.813	0.818	1.89
53) M	Dibromochloromet...	0.477	0.537	0.543	0.519	6.98
54) M	1,2-Dibromoethane	0.526	0.503	0.519	0.516	2.35
55) M	2-Chloroethyl vi...	0.202	0.234	0.251	0.229	10.92
56) M	Bromoform	0.297	0.328	0.346	0.324	7.60

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		-----ISTD-----				
57) I	Chlorobenzene-d5					
58) M	4-Methyl-2-Penta...	0.452	0.437	0.408	0.432	5.14
59) M	2-Hexanone	0.327	0.327	0.301	0.318	4.65
60) S	4-Bromofluoroben...	0.491	0.536	0.550	0.526	5.94
61) M	Tetrachloroethene	0.355	0.359	0.337	0.350	3.27
62) M	Toluene	2.033	2.043	1.977	2.018	1.78
63) S	Toluene-d8	1.071	1.046	1.055	1.057	1.17
64) M	Chlorobenzene	1.256	1.240	1.202	1.233	2.27
65)	1,1,1,2-Tetrachl...	0.435	0.448	0.438	0.440	1.55
66) M	Ethyl Benzene	2.209	2.205	2.195	2.203	0.32
67) M	m/p-Xylenes	0.836	0.873	0.864	0.858	2.25
68) M	o-Xylene	0.843	0.860	0.854	0.852	1.03
69) M	Styrene	1.260	1.344	1.371	1.325	4.35
70)	Isopropylbenzene	2.066	2.216	2.207	2.163	3.91
71) M	1,1,2,2-Tetrachl...	0.676	0.656	0.645	0.659	2.39
72)	1,2,3-Trichlorop...	0.574	0.562	0.545	0.560	2.59
73)	Bromobenzene	0.471	0.471	0.454	0.465	2.15
74)	n-propylbenzene	2.288	2.418	2.514	2.407	4.71
75)	2-Chlorotoluene	1.444	1.494	1.516	1.485	2.47
76)	1,3,5-Trimethylb...	1.431	1.718	1.853	1.667	12.93
77)	t-1,4-Dichloro-2...	0.163	0.194	0.198	0.185	10.26
78)	4-Chlorotoluene	1.314	1.435	1.468	1.406	5.78
79)	tert-butylbenzene	1.454	1.605	1.568	1.542	5.13
80)	1,2,4-Trimethylb...	1.204	1.617	1.780	1.533	19.36
81)	sec-Butylbenzene	1.957	2.223	2.270	2.150	7.86
82)	p-Isopropyltoluene	1.503	1.732	1.820	1.685	9.70
83) M	1,3-Dichlorobenzene	0.762	0.830	0.849	0.814	5.60
84) M	1,4-Dichlorobenzene	0.763	0.809	0.840	0.804	4.79
85)	n-Butylbenzene	1.045	1.322	1.540	1.302	19.06
86) T	Hexachloroethane	0.320	0.346	0.358	0.341	5.59
87) M	1,2-Dichlorobenzene	0.800	0.843	0.841	0.828	2.95
88)	1,2-Dibromo-3-Ch...	0.123	0.120	0.123	0.122	1.63
89)	1,2,4-Trichlorob...	0.161	0.198	0.294	0.217	31.55
90)	Hexachlorobutadiene	0.179	0.174	0.177	0.177	1.68
91) M	Naphthalene	0.542	0.696	1.142	0.793	39.34
92)	1,2,3-Trichlorob...	0.155	0.176	0.279	0.203	32.64

(#) = Out of Range