

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N100824W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Wed Oct 09 02:22:28 2024
 Response Via : Initial Calibration

Calibration Files

5 =VN084341.D 20 =VN084340.D 50 =VN084339.D 100 =VN084338.D 150 =VN084337.D

	Compound	5	20	50	100	150	Avg	%RSD
1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.918	1.931	1.768	1.757	1.784	1.832	4.66
3) M	Chloromethane	2.148	2.146	2.024	2.037	2.067	2.084	2.85
4) M	Vinyl Chloride	2.113	2.098	2.005	1.986	2.018	2.044	2.81
5) M	Bromomethane	1.635	1.418	1.249	1.234	1.236	1.354	12.91
6) M	Chloroethane	1.607	1.396	1.228	1.205	1.264	1.340	12.44
7) M	Trichlorofluorom...	3.505	3.403	3.256	3.246	3.237	3.329	3.60
8) T	Diethyl Ether	1.232	1.232	1.226	1.207	1.223	1.224	0.85
9)	1,1,2-Trichlorot...	1.981	1.891	1.799	1.829	1.861	1.872	3.73
10) M	1,1-Dichloroethene	1.971	1.834	1.870	1.832	1.833	1.868	3.20
11)	Methyl Iodide	2.378	2.469	2.473	2.450	2.503	2.455	1.90
12)	Methyl Acetate	2.221	2.287	2.435	2.367	2.383	2.339	3.62
13) M	Acrolein	0.449	0.402	0.431	0.450	0.440	0.434	4.50
14) M	Acrylonitrile	1.024	1.069	1.064	1.026	1.069	1.051	2.23
15) M	Acetone	0.265	0.286	0.306	0.315	0.329	0.300	8.31
16) M	Carbon Disulfide	6.106	5.704	5.346	5.270	5.386	5.562	6.23
17)	Allyl chloride	2.962	3.091	3.040	3.017	3.030	3.028	1.53
18) M	Methylene Chloride	2.203	2.147	2.090	2.014	2.067	2.104	3.47
19) M	trans-1,2-Dichlo...	2.055	2.012	1.947	1.923	1.948	1.977	2.76
20) T	Diisopropyl ether	6.257	6.655	6.558	6.487	6.595	6.510	2.37
21) M	1,1-Dichloroethane	3.908	3.837	3.659	3.601	3.674	3.736	3.49
22) M	cis-1,2-Dichloro...	2.284	2.364	2.294	2.240	2.321	2.300	2.00
23) M	tert-Butyl Alcohol	0.402	0.399	0.413	0.406	0.394	0.403	1.71
24) M	Methyl tert-Buty...	6.019	6.312	6.286	6.268	6.327	6.242	2.04
25) M	Chloroform	3.812	3.901	3.795	3.650	3.759	3.783	2.41
26)	Cyclohexane	2.941	3.291	3.090	3.107	3.193	3.124	4.15
27) s	1,2-Dichloroetha...	2.428	2.467	2.370	2.419	2.393	2.415	1.51
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.482	0.493	0.487	0.493	0.508	0.492	2.00
30) M	2-Butanone	0.242	0.257	0.268	0.269	0.275	0.262	5.01
31)	2,2-Dichloropropane	0.560	0.576	0.569	0.583	0.605	0.579	2.98
32) M	1,1,1-Trichloroe...	0.621	0.648	0.619	0.629	0.630	0.629	1.79
33) M	Carbon Tetrachlo...	0.547	0.544	0.531	0.548	0.556	0.545	1.63
34) M	Benzene	1.555	1.557	1.511	1.514	1.571	1.542	1.77
35)	Methacrylonitrile	0.231	0.273	0.289	0.297	0.308	0.280	10.66
36) M	1,2-Dichloroethane	0.515	0.522	0.508	0.505	0.520	0.514	1.42
37) M	Trichloroethene	0.353	0.366	0.345	0.353	0.358	0.355	2.13
38)	Methylcyclohexane	0.491	0.519	0.535	0.566	0.593	0.541	7.36
39) M	1,2-Dichloropropane	0.375	0.386	0.363	0.371	0.384	0.376	2.49
40)	Dibromomethane	0.269	0.263	0.257	0.257	0.268	0.263	2.12
41) M	Bromodichloromet...	0.559	0.559	0.550	0.552	0.568	0.558	1.30
42) M	Vinyl Acetate	0.837	0.888	0.930	0.945	0.960	0.912	5.46
43)	Ethyl Acetate	0.495	0.509	0.517	0.532	0.534	0.517	3.14
44)	Isopropyl Acetate	0.766	0.840	0.862	0.872	0.891	0.846	5.75
45) T	1,4-Dioxane	0.007	0.007	0.008	0.008	0.008	0.008	7.69
46)	Methyl methacrylate	0.369	0.404	0.420	0.420	0.431	0.409	5.91
47)	n-amyl Acetate	0.630	0.740	0.769	0.796	0.829	0.753	10.09
48) M	t-1,3-Dichloropr...	0.564	0.561	0.573	0.581	0.603	0.576	2.90
49) T	cis-1,3-Dichloro...	0.551	0.613	0.603	0.616	0.637	0.604	5.34
50) M	1,1,2-Trichloroe...	0.358	0.354	0.350	0.349	0.356	0.353	1.10
51)	Ethyl methacrylate	0.479	0.575	0.606	0.616	0.641	0.583	10.77
52)	1,3-Dichloropropane	0.619	0.625	0.607	0.610	0.627	0.617	1.47
53) M	Dibromochloromet...	0.407	0.416	0.416	0.417	0.431	0.417	2.04
54) M	1,2-Dibromoethane	0.352	0.370	0.361	0.363	0.371	0.364	2.09
55) M	2-Chloroethyl vi...	0.224	0.250	0.269	0.286	0.294	0.265	10.65
56) M	Bromoform	0.261	0.264	0.276	0.287	0.295	0.277	5.22

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57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Penta...	0.517	0.559	0.573	0.565	0.580	0.559	4.39
59) M	2-Hexanone	0.367	0.408	0.434	0.428	0.440	0.415	7.19
60) S	4-Bromofluoroben...	0.465	0.492	0.498	0.506	0.514	0.495	3.80
61) M	Tetrachloroethene	0.357	0.342	0.332	0.328	0.338	0.339	3.37
62) M	Toluene	1.767	1.761	1.746	1.732	1.775	1.756	0.99
63) S	Toluene-d8	1.404	1.395	1.378	1.374	1.397	1.390	0.94
64) M	Chlorobenzene	1.136	1.086	1.072	1.069	1.102	1.093	2.53
65)	1,1,1,2-Tetrachl...	0.377	0.383	0.380	0.374	0.386	0.380	1.24
66) M	Ethyl Benzene	1.715	1.889	1.930	1.969	2.036	1.908	6.33
67) M	m/p-Xylenes	0.654	0.725	0.740	0.732	0.768	0.724	5.87
68) M	o-Xylene	0.641	0.692	0.708	0.710	0.738	0.698	5.15
69) M	Styrene	1.059	1.183	1.226	1.232	1.289	1.198	7.20
70)	Isopropylbenzene	1.587	1.786	1.813	1.828	1.892	1.781	6.47
71) M	1,1,2,2-Tetrachl...	0.543	0.549	0.557	0.544	0.562	0.551	1.49
72)	1,2,3-Trichlorop...	0.452	0.466	0.479	0.471	0.492	0.472	3.15
73)	Bromobenzene	0.416	0.428	0.435	0.431	0.446	0.431	2.52
74)	n-propylbenzene	1.881	2.107	2.158	2.177	2.289	2.123	7.09
75)	2-Chlorotoluene	1.233	1.322	1.315	1.329	1.396	1.319	4.42
76)	1,3,5-Trimethylb...	1.323	1.488	1.532	1.543	1.614	1.500	7.26
77)	t-1,4-Dichloro-2...	0.171	0.187	0.211	0.213	0.225	0.202	10.84
78)	4-Chlorotoluene	1.248	1.323	1.352	1.353	1.428	1.341	4.84
79)	tert-butylbenzene	1.122	1.260	1.309	1.330	1.376	1.279	7.63
80)	1,2,4-Trimethylb...	1.347	1.502	1.550	1.567	1.642	1.522	7.21
81)	sec-Butylbenzene	1.522	1.746	1.794	1.831	1.913	1.762	8.34
82)	p-Isopropyltoluene	1.286	1.439	1.499	1.549	1.641	1.483	8.95
83) M	1,3-Dichlorobenzene	0.750	0.790	0.808	0.811	0.851	0.802	4.57
84) M	1,4-Dichlorobenzene	0.786	0.761	0.788	0.805	0.842	0.796	3.77
85)	n-Butylbenzene	1.065	1.199	1.302	1.371	1.484	1.284	12.49
86) T	Hexachloroethane	0.276	0.279	0.282	0.289	0.302	0.286	3.59
87) M	1,2-Dichlorobenzene	0.748	0.756	0.780	0.783	0.811	0.775	3.21
88)	1,2-Dibromo-3-Ch...	0.098	0.110	0.119	0.116	0.120	0.113	8.01
89)	1,2,4-Trichlorob...	0.372	0.381	0.410	0.416	0.436	0.403	6.49
90)	Hexachlorobutadiene	0.220	0.173	0.179	0.177	0.183	0.187	10.28
91) M	Naphthalene	1.093	1.285	1.420	1.481	1.554	1.366	13.33
92)	1,2,3-Trichlorob...	0.372	0.381	0.410	0.416	0.436	0.403	6.49

(#) = Out of Range