

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N041125W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Sat Apr 12 01:21:52 2025
 Response Via : Initial Calibration

Calibration Files

5 =VN086246.D 20 =VN086245.D 50 =VN086244.D 100 =VN086242.D

Compound		5	20	50	100	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----					
2) M	Dichlorodifluoro...	2.072	2.325	2.758	2.460	2.404	11.88
3) M	Chloromethane	3.342	3.094	3.617	3.236	3.322	6.66
4) M	Vinyl Chloride	3.000	3.007	3.535	3.116	3.164	7.98
5) M	Bromomethane	1.819	1.475	1.638	1.382	1.578	12.19
6) M	Chloroethane	2.059	1.860	2.187	1.887	1.998	7.69
7) M	Trichlorofluorom...	3.311	3.207	3.883	3.329	3.433	8.89
8) T	Diethyl Ether	1.627	1.476	1.736	1.492	1.583	7.73
9)	1,1,2-Trichlorot...	2.048	1.998	2.381	2.040	2.117	8.38
10) M	1,1-Dichloroethene	2.418	2.145	2.464	2.111	2.284	7.97
11)	Methyl Iodide	2.589	2.463	2.976	2.474	2.626	9.17
12)	Methyl Acetate	3.256	2.970	3.736	2.942	3.226	11.42
13) M	Acrolein	0.481	0.270	0.329	0.387	0.367	24.59
14) M	Acrylonitrile	1.397	1.282	1.506	1.263	1.362	8.27
15) M	Acetone	0.363	0.329	0.389	0.300	0.345	11.27
16) M	Carbon Disulfide	7.165	6.274	6.710	6.053	6.550	7.52
17)	Allyl chloride	4.154	3.712	4.336	3.723	3.981	7.87
18) M	Methylene Chloride	2.858	2.387	2.766	2.407	2.605	9.31
19) M	trans-1,2-Dichlo...	2.616	2.221	2.557	2.231	2.406	8.71
20) T	Diisopropyl ether	8.334	8.092	9.676	8.136	8.560	8.78
21) M	1,1-Dichloroethane	4.460	4.345	5.082	4.380	4.567	7.59
22) M	cis-1,2-Dichloro...	3.000	2.690	3.101	2.674	2.866	7.57
23) M	tert-Butyl Alcohol	0.570	0.545	0.640	0.503	0.564	10.19
24) M	Methyl tert-Buty...	8.471	7.691	9.105	7.709	8.244	8.24
25) M	Chloroform	4.374	4.093	4.832	4.120	4.355	7.87
26)	Cyclohexane	4.272	3.944	4.808	4.066	4.273	8.94
27) s	1,2-Dichloroetha...	3.003	2.904	2.916	2.882	2.926	1.81
28) I	1,4-Difluorobenzene	-----ISTD-----					
29)	1,1-Dichloropropene	0.516	0.514	0.592	0.527	0.537	6.86
30) M	2-Butanone	0.287	0.290	0.336	0.278	0.298	8.77
31)	2,2-Dichloropropane	0.623	0.638	0.733	0.651	0.662	7.41
32) M	1,1,1-Trichloroe...	0.621	0.586	0.679	0.587	0.618	7.08
33) M	Carbon Tetrachlo...	0.458	0.472	0.562	0.484	0.494	9.42
34) M	Benzene	1.657	1.633	1.880	1.669	1.710	6.69
35)	Methacrylonitrile	0.338	0.318	0.366	0.321	0.336	6.49
36) M	1,2-Dichloroethane	0.516	0.512	0.591	0.521	0.535	7.04
37) M	Trichloroethene	0.387	0.396	0.463	0.403	0.413	8.30
38)	Methylcyclohexane	0.650	0.616	0.714	0.656	0.659	6.19
39) M	1,2-Dichloropropane	0.403	0.405	0.475	0.420	0.425	7.91
40)	Dibromomethane	0.277	0.260	0.301	0.261	0.275	6.91
41) M	Bromodichloromet...	0.603	0.565	0.636	0.557	0.590	6.19
42) M	Vinyl Acetate	0.998	1.000	1.092	0.965	1.014	5.40
43)	Ethyl Acetate	0.606	0.589	0.658	0.550	0.601	7.48
44)	Isopropyl Acetate	1.217	1.050	1.182	1.008	1.114	9.07
45) T	1,4-Dioxane	0.009	0.009	0.010	0.008	0.009	9.38
46)	Methyl methacrylate	0.467	0.471	0.558	0.468	0.491	9.04
47)	n-amyl Acetate	0.875	0.824	0.998	0.837	0.883	8.98
48) M	t-1,3-Dichloropr...	0.641	0.633	0.745	0.650	0.667	7.83
49) T	cis-1,3-Dichloro...	0.670	0.677	0.782	0.696	0.706	7.35
50) M	1,1,2-Trichloroe...	0.385	0.372	0.420	0.364	0.385	6.39
51)	Ethyl methacrylate	0.700	0.681	0.798	0.685	0.716	7.71
52)	1,3-Dichloropropane	0.671	0.648	0.764	0.664	0.687	7.61
53) M	Dibromochloromet...	0.406	0.404	0.469	0.407	0.422	7.49
54) M	1,2-Dibromoethane	0.386	0.370	0.429	0.371	0.389	7.12
55) M	2-Chloroethyl vi...	0.318	0.324	0.387	0.054	0.271	54.58
56) M	Bromoform	0.265	0.264	0.312	0.262	0.276	8.72

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		-----ISTD-----					
57) I	Chlorobenzene-d5						
58) M	4-Methyl-2-Penta...	0.667	0.671	0.758	0.627	0.681	8.14
59) M	2-Hexanone	0.496	0.497	0.571	0.464	0.507	8.88
60) S	4-Bromofluoroben...	0.589	0.594	0.607	0.600	0.597	1.29
61) M	Tetrachloroethene	0.415	0.424	0.501	0.432	0.443	8.88
62) M	Toluene	1.981	1.941	2.219	1.908	2.012	7.01
63) S	Toluene-d8	1.710	1.718	1.674	1.673	1.694	1.39
64) M	Chlorobenzene	1.224	1.179	1.357	1.156	1.229	7.32
65)	1,1,1,2-Tetrachl...	0.393	0.390	0.455	0.384	0.406	8.14
66) M	Ethyl Benzene	2.192	2.140	2.496	2.099	2.232	8.07
67) M	m/p-Xylenes	0.796	0.789	0.939	0.795	0.830	8.78
68) M	o-Xylene	0.787	0.779	0.921	0.777	0.816	8.59
69) M	Styrene	1.334	1.293	1.563	1.315	1.376	9.13
70)	Isopropylbenzene	1.947	1.917	2.274	1.910	2.012	8.72
71) M	1,1,2,2-Tetrachl...	0.626	0.558	0.608	0.500	0.573	9.90
72)	1,2,3-Trichlorop...	0.606	0.566	0.662	0.550	0.596	8.37
73)	Bromobenzene	0.431	0.426	0.505	0.422	0.446	8.82
74)	n-propylbenzene	2.256	2.229	2.708	2.311	2.376	9.42
75)	2-Chlorotoluene	1.472	1.412	1.687	1.403	1.494	8.87
76)	1,3,5-Trimethylb...	1.587	1.574	1.865	1.586	1.653	8.54
77)	t-1,4-Dichloro-2...	0.266	0.261	0.313	0.259	0.275	9.36
78)	4-Chlorotoluene	1.470	1.383	1.694	1.420	1.492	9.36
79)	tert-butylbenzene	1.457	1.349	1.584	1.332	1.430	8.14
80)	1,2,4-Trimethylb...	1.586	1.600	1.912	1.607	1.676	9.40
81)	sec-Butylbenzene	1.915	1.909	2.234	1.924	1.995	7.98
82)	p-Isopropyltoluene	1.562	1.584	1.891	1.621	1.664	9.17
83) M	1,3-Dichlorobenzene	0.798	0.773	0.958	0.785	0.829	10.47
84) M	1,4-Dichlorobenzene	0.813	0.777	0.950	0.785	0.831	9.66
85)	n-Butylbenzene	1.416	1.420	1.679	1.490	1.502	8.21
86) T	Hexachloroethane	0.265	0.265	0.319	0.274	0.281	9.25
87) M	1,2-Dichlorobenzene	0.791	0.778	0.943	0.761	0.818	10.25
88)	1,2-Dibromo-3-Ch...	0.129	0.128	0.148	0.116	0.130	10.28
89)	1,2,4-Trichlorob...	0.380	0.402	0.439	0.371	0.398	7.51
90)	Hexachlorobutadiene	0.194	0.167	0.176	0.151	0.172	10.39
91) M	Naphthalene	1.578	1.548	1.756	1.396	1.569	9.41
92)	1,2,3-Trichlorob...	0.380	0.402	0.439	0.371	0.398	7.51

(#) = Out of Range