

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N021523W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Thu Feb 16 01:08:46 2023
 Response Via : Initial Calibration

Calibration Files

5 =VN076676.D 20 =VN076677.D 50 =VN076678.D 100 =VN076679.D 10 =VN076682.D

Compound		5	20	50	100	10	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	3.284	3.308	3.071	3.193	3.017	3.175	4.04
3) M	Chloromethane	4.659	3.965	3.744	3.630	3.495	3.898	11.76
4) M	Vinyl Chloride	4.812	4.189	4.046	3.847	3.911	4.161	9.30
5) M	Bromomethane	3.758	2.686	2.357	2.240	3.323	2.873	22.61
6) M	Chloroethane	3.218	2.734	2.559	2.430	2.549	2.698	11.50
7) M	Trichlorofluorom...	6.074	5.212	4.944	4.856	4.847	5.187	9.98
8) T	Diethyl Ether	2.260	1.997	2.040	2.005	1.988	2.058	5.56
9)	1,1,2-Trichlorot...	3.741	3.097	3.048	2.935	2.941	3.152	10.67
10) M	1,1-Dichloroethene	3.498	2.884	2.862	2.841	2.718	2.961	10.37
11)	Methyl Iodide	3.518	3.935	4.460	4.481	2.079	3.694	26.74
12)	Methyl Acetate	7.014	6.025	5.954	5.786	5.569	6.070	9.17
13) M	Acrolein	0.891	0.667	0.665	0.668	0.713	0.721	13.46
14) M	Acrylonitrile	2.043	1.875	1.838	1.803	1.754	1.863	5.91
15) M	Acetone	0.659	0.664	0.591	0.517	0.585	0.603	10.07
16) M	Carbon Disulfide	9.669	8.117	8.160	8.215	7.362	8.304	10.10
17)	Allyl chloride	6.342	5.086	5.274	5.216	4.580	5.299	12.15
18) M	Methylene Chloride	4.550	3.690	3.530	3.412	3.503	3.737	12.45
19) M	trans-1,2-Dichlo...	3.894	3.080	3.288	3.213	3.127	3.320	9.95
20) T	Diisopropyl ether	1.398	1.262	1.262	1.211	1.133	1.253	E1 7.69
21) M	1,1-Dichloroethane	7.780	6.517	6.504	6.230	5.743	6.555	11.50
22) M	cis-1,2-Dichloro...	4.143	3.816	3.920	3.729	3.438	3.810	6.79
23) M	tert-Butyl Alcohol	0.561	0.559	0.542	0.544	0.485	0.538	5.75
24) M	Methyl tert-Buty...	1.106	1.024	1.036	1.019	0.937	1.024	E1 5.86
25) M	Chloroform	6.986	6.560	6.539	6.213	5.841	6.428	6.66
26)	Cyclohexane	6.274	6.065	5.977	5.768	5.208	5.858	6.93
27) s	1,2-Dichloroetha...	2.958	2.756	2.717	2.536	2.752	2.744	5.47
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.742	0.688	0.705	0.704	0.583	0.684	8.77
30) M	2-Butanone	0.420	0.423	0.403	0.390	0.361	0.399	6.32
31)	2,2-Dichloropropane	0.786	0.718	0.705	0.734	0.632	0.715	7.82
32) M	1,1,1-Trichloroe...	0.893	0.781	0.790	0.810	0.699	0.794	8.76
33) M	Carbon Tetrachlo...	0.743	0.691	0.686	0.717	0.605	0.688	7.53
34) M	Benzene	2.501	2.225	2.143	2.152	1.902	2.185	9.83
35)	Methacrylonitrile	0.485	0.432	0.435	0.440	0.385	0.435	8.13
36) M	1,2-Dichloroethane	0.829	0.760	0.709	0.713	0.645	0.731	9.31
37) M	Trichloroethene	0.567	0.493	0.510	0.520	0.450	0.508	8.36
38)	Methylcyclohexane	0.903	0.878	0.866	0.895	0.763	0.861	6.57
39) M	1,2-Dichloropropane	0.670	0.563	0.557	0.553	0.496	0.568	11.09
40)	Dibromomethane	0.405	0.369	0.358	0.362	0.317	0.362	8.67
41) M	Bromodichloromet...	0.807	0.739	0.729	0.732	0.625	0.726	8.97
42) M	Vinyl Acetate	1.169	1.158	1.196	1.231	1.030	1.157	6.60
43)	Ethyl Acetate	0.807	0.776	0.756	0.769	0.694	0.760	5.44
44)	Isopropyl Acetate	1.307	1.301	1.254	1.298	1.100	1.252	6.99
45) T	1,4-Dioxane	0.012	0.010	0.010	0.011	0.010	0.011	6.06
46)	Methyl methacrylate	0.581	0.587	0.586	0.604	0.516	0.575	5.92
47)	n-amyl Acetate	1.052	1.129	1.180	1.235	0.932	1.105	10.67
48) M	t-1,3-Dichloropr...	0.743	0.746	0.769	0.807	0.618	0.737	9.62
49) T	cis-1,3-Dichloro...	0.889	0.843	0.847	0.882	0.732	0.838	7.49
50) M	1,1,2-Trichloroe...	0.599	0.538	0.518	0.520	0.456	0.526	9.69
51)	Ethyl methacrylate	0.764	0.783	0.818	0.838	0.618	0.764	11.31
52)	1,3-Dichloropropane	1.015	0.925	0.901	0.901	0.782	0.905	9.20
53) M	Dibromochloromet...	0.575	0.542	0.564	0.582	0.441	0.541	10.72
54) M	1,2-Dibromoethane	0.542	0.520	0.530	0.541	0.428	0.512	9.35
55) M	2-Chloroethyl vi...	0.353	0.332	0.357	0.363	0.289	0.339	8.90
56) M	Bromoform	0.380	0.366	0.404	0.428	0.284	0.372	14.75

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.757	0.758	0.701	0.701	0.651	0.714	6.30
59) M	2-Hexanone	0.546	0.570	0.526	0.518	0.493	0.531	5.50
60) S	4-Bromofluoroben...	0.514	0.541	0.542	0.538	0.518	0.531	2.51
61) M	Tetrachloroethene	0.442	0.368	0.377	0.379	0.329	0.379	10.70
62) M	Toluene	2.383	2.161	2.042	2.032	1.865	2.097	9.14
63) S	Toluene-d8	1.091	1.073	1.029	1.005	1.056	1.051	3.24
64) M	Chlorobenzene	1.386	1.259	1.259	1.252	1.088	1.249	8.48
65)	1,1,1,2-Tetrachl...	0.510	0.460	0.455	0.459	0.405	0.458	8.12
66) M	Ethyl Benzene	2.373	2.292	2.272	2.260	1.948	2.229	7.32
67) M	m/p-Xylenes	0.903	0.918	0.899	0.884	0.754	0.872	7.67
68) M	o-Xylene	0.903	0.890	0.888	0.868	0.745	0.859	7.56
69) M	Styrene	1.381	1.434	1.466	1.463	1.150	1.379	9.62
70)	Isopropylbenzene	2.179	2.314	2.296	2.303	1.864	2.191	8.71
71) M	1,1,2,2-Tetrachl...	0.784	0.746	0.711	0.702	0.642	0.717	7.40
72)	1,2,3-Trichlorop...	0.644	0.682	0.589	0.667	0.575	0.632	7.54
73)	Bromobenzene	0.494	0.537	0.533	0.529	0.449	0.508	7.32
74)	n-propylbenzene	2.672	2.740	2.726	2.754	2.157	2.610	9.77
75)	2-Chlorotoluene	1.659	1.623	1.577	1.552	1.354	1.553	7.65
76)	1,3,5-Trimethylb...	1.832	1.914	1.914	1.904	1.573	1.828	7.99
77)	t-1,4-Dichloro-2...	0.206	0.206	0.210	0.230	0.162	0.203	12.35
78)	4-Chlorotoluene	1.542	1.558	1.538	1.536	1.270	1.489	8.24
79)	tert-butylbenzene	1.619	1.710	1.740	1.702	1.319	1.618	10.68
80)	1,2,4-Trimethylb...	1.779	1.920	1.944	1.911	1.519	1.815	9.77
81)	sec-Butylbenzene	2.236	2.486	2.475	2.497	1.924	2.324	10.69
82)	p-Isopropyltoluene	1.790	2.001	2.043	2.081	1.505	1.884	12.74
83) M	1,3-Dichlorobenzene	0.998	0.987	1.023	1.027	0.823	0.972	8.73
84) M	1,4-Dichlorobenzene	0.956	0.982	0.988	1.045	0.767	0.948	11.19
85)	n-Butylbenzene	1.447	1.639	1.769	1.863	1.265	1.597	15.19
86) T	Hexachloroethane	0.387	0.376	0.377	0.383	0.299	0.365	10.08
87) M	1,2-Dichlorobenzene	0.990	0.991	1.038	1.045	0.821	0.977	9.32
88)	1,2-Dibromo-3-Ch...	0.132	0.144	0.134	0.142	0.111	0.133	9.81
89)	1,2,4-Trichlorob...	0.419	0.485	0.564	0.614	0.410	0.498	17.90
90)	Hexachlorobutadiene	0.237	0.233	0.258	0.271	0.201	0.240	11.19
91) M	Naphthalene	1.257	1.606	1.843	1.955	1.350	1.602	18.85
92)	1,2,3-Trichlorob...	0.467	0.490	0.554	0.587	0.431	0.506	12.58

(#) = Out of Range