

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N032421W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Thu Mar 25 05:52:50 2021
 Response Via : Initial Calibration

Calibration Files

5 =VN066309.D 10 =VN066310.D 20 =VN066311.D 50 =VN066312.D 100 =VN066313.D

Compound		5	10	20	50	100	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.971	1.647	1.667	1.629	1.475	1.678	10.76
3) M	Chloromethane	2.408	2.188	2.077	2.034	1.839	2.109	9.92
4) M	Vinyl Chloride	2.443	2.274	2.204	2.186	1.979	2.217	7.54
5) M	Bromomethane	1.838	1.598	1.505	1.499	1.404	1.569	10.55
6) M	Chloroethane	1.591	1.426	1.399	1.402	1.282	1.420	7.82
7) M	Trichlorofluorom...	3.586	3.251	3.093	3.136	2.922	3.198	7.73
8) T	Diethyl Ether	1.167	1.087	1.082	1.074	0.991	1.080	5.77
9)	1,1,2-Trichlorot...	1.750	1.582	1.554	1.528	1.411	1.565	7.81
10) M	1,1-Dichloroethene	1.690	1.619	1.498	1.523	1.416	1.549	6.90
11)	Methyl Iodide	2.157	2.236	2.284	2.321	2.144	2.228	3.48
12)	Methyl Acetate	2.238	2.479	2.496	2.465	2.345	2.405	4.61
13) M	Acrolein	0.314	0.130	0.139	0.133	0.118	0.167	49.79
14) M	Acrylonitrile	1.013	1.006	1.000	1.006	0.935	0.992	3.22
15) M	Acetone	0.370	0.295	0.271	0.268	0.241	0.289	17.07
16) M	Carbon Disulfide	4.894	4.235	4.255	4.206	3.864	4.291	8.70
17)	Allyl chloride	2.917	2.710	2.977	2.628	2.763	2.799	5.18
18) M	Methylene Chloride	2.065	1.876	1.854	1.822	1.639	1.851	8.20
19) M	trans-1,2-Dichlo...	1.897	1.686	1.677	1.679	1.580	1.704	6.84
20) T	Diisopropyl ether	6.289	6.195	6.159	6.177	5.895	6.143	2.40
21) M	1,1-Dichloroethane	3.544	3.369	3.342	3.292	3.080	3.325	5.01
22) M	cis-1,2-Dichloro...	2.216	2.043	2.034	2.009	1.898	2.040	5.59
23) M	tert-Butyl Alcohol	0.409	0.429	0.426	0.411	0.362	0.407	6.62
24) M	Methyl tert-Buty...	6.238	5.987	5.905	5.878	5.542	5.910	4.23
25) M	Chloroform	3.547	3.366	3.384	3.363	3.135	3.359	4.37
26)	Cyclohexane	3.240	2.902	2.938	2.931	2.735	2.949	6.19
27) s	1,2-Dichloroetha...	2.357	2.295	2.338	2.296	2.243	2.306	1.91
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.481	0.441	0.435	0.453	0.432	0.449	4.43
30) M	2-Butanone	0.275	0.265	0.257	0.266	0.252	0.263	3.35
31)	2,2-Dichloropropane	0.601	0.562	0.545	0.551	0.520	0.556	5.30
32) M	1,1,1-Trichloroe...	0.580	0.552	0.529	0.542	0.517	0.544	4.41
33) M	Carbon Tetrachlo...	0.489	0.450	0.450	0.465	0.443	0.459	4.00
34) M	Benzene	1.421	1.374	1.347	1.384	1.311	1.367	3.02
35)	Methacrylonitrile	0.226	0.229	0.207	0.213	0.238	0.222	5.61
36) M	1,2-Dichloroethane	0.521	0.498	0.502	0.504	0.480	0.501	2.96
37) M	Trichloroethene	0.376	0.362	0.348	0.357	0.341	0.357	3.85
38)	Methylcyclohexane	0.601	0.549	0.538	0.558	0.529	0.555	5.04
39) M	1,2-Dichloropropane	0.394	0.371	0.365	0.371	0.350	0.370	4.29
40)	Dibromomethane	0.243	0.239	0.234	0.245	0.228	0.238	2.82
41) M	Bromodichloromet...	0.517	0.513	0.496	0.510	0.481	0.504	2.91
42) M	Vinyl Acetate	1.031	0.978	0.975	1.009	0.962	0.991	2.85
43)	Ethyl Acetate	0.459	0.509	0.510	0.530	0.524	0.506	5.51
44)	Isopropyl Acetate	0.903	0.910	0.902	0.923	0.884	0.904	1.54
45) T	1,4-Dioxane	0.006	0.006	0.006	0.006	0.005	0.006#	5.34
46)	Methyl methacrylate	0.417	0.422	0.416	0.438	0.418	0.422	2.09
47)	n-amyl Acetate	0.102	0.190	0.381	0.563	0.593	0.366	59.74
48) M	t-1,3-Dichloropr...	0.553	0.540	0.536	0.569	0.538	0.547	2.54
49) T	cis-1,3-Dichloro...	0.591	0.592	0.576	0.609	0.572	0.588	2.50
50) M	1,1,2-Trichloroe...	0.349	0.340	0.339	0.351	0.324	0.341	3.07
51)	Ethyl methacrylate	0.514	0.530	0.530	0.560	0.531	0.533	3.12
52)	1,3-Dichloropropane	0.582	0.567	0.563	0.581	0.545	0.568	2.68
53) M	Dibromochloromet...	0.376	0.381	0.381	0.399	0.376	0.383	2.45
54) M	1,2-Dibromoethane	0.343	0.356	0.350	0.366	0.337	0.351	3.21
55) M	2-Chloroethyl vi...	0.077	0.075	0.083	0.084	0.077	0.079	5.00
56) M	Bromoform	0.274	0.276	0.278	0.301	0.275	0.281	4.06

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.602	0.615	0.592	0.611	0.585	0.601	2.12
59) M	2-Hexanone	0.392	0.410	0.408	0.437	0.422	0.414	4.14
60) S	4-Bromofluoroben...	0.457	0.454	0.468	0.483	0.478	0.468	2.69
61) M	Tetrachloroethene	0.452	0.419	0.405	0.403	0.386	0.413	6.01
62) M	Toluene	1.763	1.674	1.608	1.655	1.604	1.661	3.88
63) S	Toluene-d8	1.410	1.411	1.392	1.398	1.429	1.408	1.02
64) M	Chlorobenzene	1.006	0.987	0.957	0.987	0.941	0.976	2.68
65)	1,1,1,2-Tetrachl...	0.392	0.392	0.373	0.385	0.373	0.383	2.52
66) M	Ethyl Benzene	1.815	1.799	1.744	1.835	1.752	1.789	2.21
67) M	m/p-Xylenes	0.679	0.663	0.647	0.683	0.653	0.665	2.39
68) M	o-Xylene	0.673	0.669	0.640	0.669	0.630	0.656	3.03
69) M	Styrene	1.044	1.015	1.030	1.109	1.059	1.052	3.43
70)	Isopropylbenzene	1.758	1.728	1.693	1.773	1.681	1.727	2.31
71) M	1,1,2,2-Tetrachl...	0.562	0.561	0.557	0.561	0.523	0.553	3.01
72)	1,2,3-Trichlorop...	0.531	0.538	0.541	0.549	0.510	0.534	2.78
73)	Bromobenzene	0.433	0.424	0.421	0.440	0.410	0.426	2.71
74)	n-propylbenzene	1.852	1.863	1.863	2.036	1.929	1.909	4.06
75)	2-Chlorotoluene	1.179	1.153	1.128	1.200	1.119	1.156	2.93
76)	1,3,5-Trimethylb...	1.426	1.412	1.384	1.487	1.395	1.421	2.83
77)	t-1,4-Dichloro-2...	0.139	0.152	0.176	0.202	0.197	0.173	15.92
78)	4-Chlorotoluene	1.076	1.097	1.120	1.215	1.159	1.134	4.86
79)	tert-butylbenzene	1.281	1.246	1.185	1.270	1.193	1.235	3.54
80)	1,2,4-Trimethylb...	1.350	1.372	1.327	1.453	1.390	1.378	3.48
81)	sec-Butylbenzene	1.521	1.538	1.535	1.691	1.599	1.577	4.47
82)	p-Isopropyltoluene	1.349	1.313	1.340	1.490	1.454	1.389	5.59
83) M	1,3-Dichlorobenzene	0.663	0.674	0.678	0.752	0.723	0.698	5.42
84) M	1,4-Dichlorobenzene	0.615	0.642	0.669	0.752	0.719	0.679	8.19
85)	n-Butylbenzene	1.033	1.044	1.096	1.245	1.247	1.133	9.35
86) T	Hexachloroethane	0.253	0.242	0.250	0.273	0.263	0.256	4.74
87) M	1,2-Dichlorobenzene	0.666	0.663	0.674	0.737	0.712	0.690	4.72
88)	1,2-Dibromo-3-Ch...	0.093	0.109	0.114	0.121	0.127	0.113	11.54
89)	1,2,4-Trichlorob...	0.425	0.415	0.418	0.461	0.485	0.441	6.98
90)	Hexachlorobutadiene	0.261	0.229	0.224	0.241	0.239	0.239	5.97
91) M	Naphthalene	1.298	1.287	1.296	1.380	1.446	1.341	5.18
92)	1,2,3-Trichlorob...	0.419	0.401	0.414	0.451	0.472	0.432	6.79

(#) = Out of Range