

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N042021W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue Apr 20 12:52:17 2021
 Response Via : Initial Calibration

Calibration Files

5 =VN066672.D 20 =VN066673.D 50 =VN066674.D 100 =VN066675.D 150 =VN066676.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.374	1.386	1.551	1.554	1.522	1.477	6.08
3) M	Chloromethane	2.207	2.175	2.380	2.366	2.363	2.298	4.30
4) M	Vinyl Chloride	1.980	2.027	2.337	2.329	2.279	2.190	7.91
5) M	Bromomethane	1.221	1.243	1.410	1.433	1.131	1.288	10.06
6) M	Chloroethane	1.194	1.249	1.433	1.430	1.378	1.337	8.17
7) M	Trichlorofluorom...	2.221	2.254	2.608	2.571	2.546	2.440	7.64
8) T	Diethyl Ether	0.937	0.979	1.149	1.176	1.174	1.083	10.68
9)	1,1,2-Trichlorot...	1.435	1.409	1.649	1.636	1.605	1.547	7.46
10) M	1,1-Dichloroethene	1.378	1.399	1.670	1.688	1.662	1.559	10.02
11)	Methyl Iodide	1.928	2.131	2.568	2.594	2.586	2.361	13.20
12)	Methyl Acetate	2.088	2.014	2.208	2.177	2.142	2.126	3.60
13) M	Acrolein	0.264	0.284	0.312	0.318	0.325	0.301	8.54
14) M	Acrylonitrile	0.782	0.868	1.013	1.006	1.001	0.934	11.14
15) M	Acetone	0.230	0.236	0.259	0.253	0.248	0.245	4.94
16) M	Carbon Disulfide	4.186	4.384	5.145	5.174	5.151	4.808	10.04
17)	Allyl chloride	2.664	2.824	3.063	3.477	3.426	3.091	11.61
18) M	Methylene Chloride	1.836	1.832	2.134	2.099	2.075	1.995	7.45
19) M	trans-1,2-Dichlo...	1.528	1.614	1.889	1.914	1.883	1.765	10.24
20) T	Diisopropyl ether	5.317	5.903	7.087	7.100	7.100	6.502	12.92
21) M	1,1-Dichloroethane	3.149	3.155	3.774	3.719	3.677	3.495	9.01
22) M	cis-1,2-Dichloro...	1.724	1.852	2.208	2.246	2.207	2.048	11.80
23) M	tert-Butyl Alcohol	0.311	0.295	0.328	0.319	0.337	0.318	5.08
24) M	Methyl tert-Buty...	4.476	4.844	5.939	5.973	5.959	5.438	13.28
25) M	Chloroform	3.012	3.063	3.599	3.566	3.496	3.347	8.53
26)	Cyclohexane	2.339	2.625	3.272	3.399	3.395	3.006	16.36
27) s	1,2-Dichloroetha...	2.192	2.192	2.156	2.153	2.116	2.162	1.47
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.394	0.423	0.513	0.516	0.516	0.472	12.57
30) M	2-Butanone	0.203	0.214	0.245	0.238	0.240	0.228	7.99
31)	2,2-Dichloropropane	0.508	0.500	0.583	0.568	0.562	0.544	6.86
32) M	1,1,1-Trichloroe...	0.498	0.491	0.570	0.557	0.550	0.533	6.81
33) M	Carbon Tetrachlo...	0.409	0.410	0.486	0.479	0.469	0.450	8.43
34) M	Benzene	1.356	1.399	1.643	1.620	1.594	1.522	8.81
35)	Methacrylonitrile	0.192	0.208	0.229	0.232	0.236	0.220	8.68
36) M	1,2-Dichloroethane	0.469	0.470	0.528	0.519	0.513	0.500	5.65
37) M	Trichloroethene	0.323	0.324	0.392	0.386	0.384	0.362	9.68
38)	Methylcyclohexane	0.448	0.484	0.616	0.633	0.634	0.563	15.96
39) M	1,2-Dichloropropane	0.367	0.386	0.448	0.439	0.437	0.416	8.77
40)	Dibromomethane	0.226	0.233	0.265	0.261	0.260	0.249	7.27
41) M	Bromodichloromet...	0.465	0.487	0.564	0.551	0.550	0.523	8.51
42) M	Vinyl Acetate	0.844	0.938	1.131	1.109	1.088	1.022	12.23
43)	Ethyl Acetate	0.423	0.475	0.575	0.513	0.520	0.501	11.25
44)	Isopropyl Acetate	0.741	0.764	0.898	0.888	0.892	0.837	9.23
45) T	1,4-Dioxane	0.005	0.006	0.006	0.006	0.007	0.006#	7.71
46)	Methyl methacrylate	0.291	0.345	0.418	0.422	0.436	0.382	16.24
47)	n-amyl Acetate		0.126	0.423	0.620	0.679	0.462	54.03
48) M	t-1,3-Dichloropr...	0.471	0.511	0.615	0.623	0.639	0.572	13.17
49) T	cis-1,3-Dichloro...	0.531	0.564	0.686	0.684	0.693	0.632	12.29
50) M	1,1,2-Trichloroe...	0.333	0.342	0.395	0.381	0.381	0.366	7.37
51)	Ethyl methacrylate	0.379	0.444	0.568	0.590	0.606	0.517	19.38
52)	1,3-Dichloropropane	0.547	0.574	0.676	0.661	0.660	0.624	9.39
53) M	Dibromochloromet...	0.342	0.367	0.422	0.423	0.426	0.396	9.88
54) M	1,2-Dibromoethane	0.314	0.342	0.394	0.393	0.395	0.367	10.19
55) M	2-Chloroethyl vi...	0.054	0.065	0.082	0.093	0.102	0.079	25.15
56) M	Bromoform	0.242	0.262	0.304	0.308	0.312	0.286	11.09

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.433	0.486	0.557	0.539	0.539	0.511	9.97
59) M	2-Hexanone	0.226	0.301	0.365	0.373	0.377	0.328	19.81
60) S	4-Bromofluoroben...	0.434	0.456	0.475	0.492	0.494	0.470	5.36
61) M	Tetrachloroethene	0.312	0.307	0.355	0.344	0.338	0.331	6.29
62) M	Toluene	1.518	1.559	1.845	1.812	1.780	1.703	8.95
63) S	Toluene-d8	1.398	1.397	1.391	1.363	1.353	1.380	1.51
64) M	Chlorobenzene	0.897	0.929	1.100	1.086	1.081	1.019	9.55
65)	1,1,1,2-Tetrachl...	0.343	0.349	0.411	0.407	0.401	0.382	8.70
66) M	Ethyl Benzene	1.457	1.611	2.010	2.021	1.998	1.819	14.64
67) M	m/p-Xylenes	0.535	0.613	0.755	0.756	0.756	0.683	15.12
68) M	o-Xylene	0.525	0.591	0.732	0.731	0.731	0.662	14.77
69) M	Styrene	0.741	0.918	1.192	1.230	1.243	1.065	21.09
70)	Isopropylbenzene	1.334	1.540	1.924	1.938	1.915	1.730	16.05
71) M	1,1,2,2-Tetrachl...	0.516	0.559	0.609	0.594	0.578	0.571	6.36
72)	1,2,3-Trichlorop...	0.375	0.444	0.538	0.555	0.574	0.497	17.00
73)	Bromobenzene	0.365	0.391	0.475	0.479	0.478	0.438	12.59
74)	n-propylbenzene	1.470	1.741	2.249	2.310	2.272	2.008	18.96
75)	2-Chlorotoluene	0.877	1.084	1.345	1.355	1.350	1.202	17.89
76)	1,3,5-Trimethylb...	1.115	1.309	1.617	1.639	1.636	1.463	16.35
77)	t-1,4-Dichloro-2...	0.083	0.123	0.180	0.196	0.202	0.157	32.85
78)	4-Chlorotoluene	0.793	1.013	1.326	1.387	1.375	1.179	22.44
79)	tert-butylbenzene	0.963	1.074	1.345	1.373	1.369	1.225	15.74
80)	1,2,4-Trimethylb...	0.990	1.206	1.579	1.620	1.622	1.403	20.64
81)	sec-Butylbenzene	1.145	1.401	1.827	1.895	1.884	1.630	20.83
82)	p-Isopropyltoluene	0.940	1.160	1.563	1.651	1.658	1.395	23.37
83) M	1,3-Dichlorobenzene	0.536	0.622	0.812	0.834	0.829	0.727	19.02
84) M	1,4-Dichlorobenzene	0.440	0.601	0.816	0.819	0.832	0.702	24.95
85)	n-Butylbenzene	0.730	0.889	1.292	1.429	1.458	1.160	28.48
86) T	Hexachloroethane	0.247	0.259	0.315	0.322	0.324	0.294	12.67
87) M	1,2-Dichlorobenzene	0.546	0.619	0.802	0.807	0.794	0.714	17.13
88)	1,2-Dibromo-3-Ch...	0.112	0.079	0.099	0.099	0.102	0.098	12.32
89)	1,2,4-Trichlorob...	0.298	0.326	0.463	0.483	0.493	0.413	22.48
90)	Hexachlorobutadiene	0.213	0.204	0.248	0.247	0.243	0.231	9.06
91) M	Naphthalene	0.634	0.816	1.109	1.172	1.228	0.992	25.78
92)	1,2,3-Trichlorob...	0.281	0.321	0.436	0.450	0.463	0.390	21.33

(#) = Out of Range