

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N052622W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Thu May 26 16:18:39 2022
 Response Via : Initial Calibration

Calibration Files

5 =VN072629.D 20 =VN072630.D 50 =VN072631.D 100 =VN072632.D 150 =VN072633.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	2.084	2.259	2.050	1.957	1.900	2.050	6.72
3) M	Chloromethane	2.718	2.667	2.555	2.980	2.825	2.749	5.88
4) M	Vinyl Chloride	2.008	2.309	2.108	2.504	2.562	2.298	10.48
5) M	Bromomethane	1.053	1.035	1.053	1.164	1.283	1.118	9.46
6) M	Chloroethane	1.284	1.517	1.384	1.488	1.516	1.438	7.09
7) M	Trichlorofluorom...	3.527	3.697	3.487	2.891	2.865	3.293	11.76
8) T	Diethyl Ether	1.431	1.605	1.445	1.227	1.201	1.382	12.17
9)	1,1,2-Trichlorot...	1.996	2.135	1.988	1.549	1.531	1.840	15.22
10) M	1,1-Dichloroethene	1.861	2.108	1.964	1.572	1.527	1.807	13.89
11)	Methyl Iodide	1.415	1.956	2.050	1.638	1.590	1.730	15.32
12)	Methyl Acetate	3.569	3.855	3.689	3.358	3.257	3.545	6.84
13) M	Acrolein	0.504	0.408	0.415	0.364	0.338	0.406	15.60
14) M	Acrylonitrile	1.457	1.710	1.678	1.422	1.369	1.527	10.19
15) M	Acetone	0.402	0.449	0.420	0.352	0.343	0.393	11.48
16) M	Carbon Disulfide	5.083	5.544	5.295	4.493	4.362	4.955	10.31
17)	Allyl chloride	3.193	4.191	4.043	3.715	3.626	3.753	10.37
18) M	Methylene Chloride	2.660	2.820	2.512	1.999	1.885	2.375	17.34
19) M	trans-1,2-Dichlo...	2.041	2.340	2.178	1.685	1.637	1.976	15.55
20) T	Diisopropyl ether	8.216	9.125	8.612	9.662	7.415	8.606	9.99
21) M	1,1-Dichloroethane	4.236	4.691	4.415	4.883	3.678	4.381	10.61
22) M	cis-1,2-Dichloro...	2.413	2.802	2.642	2.663	2.028	2.510	12.08
23) M	tert-Butyl Alcohol	0.541	0.531	0.517	0.495	0.479	0.513	4.97
24) M	Methyl tert-Buty...	6.772	7.785	7.437	6.417	6.292	6.941	9.34
25) M	Chloroform	4.226	4.649	4.356	4.471	4.550	4.451	3.71
26)	Cyclohexane	3.741	4.176	3.984	4.089	4.667	4.132	8.25
27) s	1,2-Dichloroetha...	2.746	2.771	2.740	3.108	2.988	2.871	5.84
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.532	0.621	0.554	0.578	0.551	0.567	6.02
30) M	2-Butanone	0.377	0.435	0.402	0.384	0.313	0.382	11.70
31)	2,2-Dichloropropane	0.582	0.655	0.601	0.566	0.469	0.575	11.83
32) M	1,1,1-Trichloroe...	0.597	0.701	0.644	0.563	0.642	0.629	8.30
33) M	Carbon Tetrachlo...	0.546	0.611	0.542	0.564	0.531	0.559	5.64
34) M	Benzene	1.781	1.969	1.765	1.784	1.619	1.783	6.96
35)	Methacrylonitrile	0.382	0.393	0.391	0.386	0.397	0.390	1.52
36) M	1,2-Dichloroethane	0.583	0.637	0.574	0.574	0.530	0.580	6.63
37) M	Trichloroethene	0.406	0.460	0.411	0.424	0.421	0.424	5.02
38)	Methylcyclohexane	0.668	0.744	0.698	0.714	0.681	0.701	4.23
39) M	1,2-Dichloropropane	0.465	0.522	0.470	0.473	0.447	0.476	5.89
40)	Dibromomethane	0.306	0.330	0.302	0.298	0.273	0.302	6.72
41) M	Bromodichloromet...	0.580	0.657	0.601	0.609	0.575	0.605	5.40
42) M	Vinyl Acetate	1.170	1.392	1.314	1.331	1.027	1.247	11.81
43)	Ethyl Acetate	0.738	0.795	0.769	0.766	0.596	0.733	10.76
44)	Isopropyl Acetate	1.023	1.233	1.148	1.184	1.119	1.142	6.87
45) T	1,4-Dioxane	0.009	0.011	0.010	0.010	0.009	0.010#	8.97
46)	Methyl methacrylate	0.470	0.550	0.578	0.540	0.552	0.538	7.48
47)	n-amyl Acetate	0.640	0.872	0.934	0.842	0.871	0.832	13.50
48) M	t-1,3-Dichloropr...	0.585	0.686	0.669	0.635	0.690	0.653	6.68
49) T	cis-1,3-Dichloro...	0.649	0.785	0.737	0.752	0.675	0.719	7.81
50) M	1,1,2-Trichloroe...	0.452	0.493	0.452	0.380	0.439	0.443	9.15
51)	Ethyl methacrylate	0.659	0.805	0.787	0.712	0.775	0.748	8.09
52)	1,3-Dichloropropane	0.785	0.863	0.801	0.690	0.769	0.782	8.00
53) M	Dibromochloromet...	0.458	0.500	0.464	0.388	0.469	0.456	9.00
54) M	1,2-Dibromoethane	0.460	0.504	0.463	0.391	0.459	0.455	8.89
55) M	2-Chloroethyl vi...	0.296	0.322	0.345	0.353	0.319	0.327	6.92
56) M	Bromoform	0.298	0.363	0.315	0.327	0.342	0.329	7.52

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.765	0.914	0.860	0.981	0.812	0.867	9.76
59) M	2-Hexanone	0.533	0.651	0.646	0.680	0.580	0.618	9.71
60) S	4-Bromofluoroben...	0.502	0.529	0.511	0.548	0.544	0.527	3.83
61) M	Tetrachloroethene	0.405	0.438	0.383	0.367	0.392	0.397	6.81
62) M	Toluene	2.092	2.311	2.066	2.153	1.908	2.106	6.93
63) S	Toluene-d8	1.712	1.734	1.662	1.776	1.646	1.706	3.12
64) M	Chlorobenzene	1.214	1.311	1.215	1.152	1.226	1.224	4.65
65)	1,1,1,2-Tetrachl...	0.449	0.514	0.456	0.524	0.467	0.482	7.21
66) M	Ethyl Benzene	2.033	2.409	2.287	2.594	2.293	2.323	8.80
67) M	m/p-Xylenes	0.775	0.911	0.852	0.827	0.858	0.844	5.86
68) M	o-Xylene	0.745	0.908	0.810	0.890	0.848	0.840	7.78
69) M	Styrene	1.091	1.397	1.330	1.431	1.407	1.331	10.45
70)	Isopropylbenzene	1.879	2.317	2.079	2.262	2.196	2.146	8.10
71) M	1,1,2,2-Tetrachl...	0.718	0.803	0.721	0.773	0.670	0.737	7.04
72)	1,2,3-Trichlorop...	0.614	0.980	0.636	0.547	0.619	0.679	25.24
73)	Bromobenzene	0.456	0.510	0.453	0.452	0.487	0.472	5.48
74)	n-propylbenzene	2.049	2.538	2.380	2.600	2.567	2.427	9.36
75)	2-Chlorotoluene	1.324	1.544	1.393	1.617	1.482	1.472	7.92
76)	1,3,5-Trimethylb...	1.529	1.798	1.619	1.803	1.719	1.694	6.99
77)	t-1,4-Dichloro-2...	0.198	0.248	0.244	0.270	0.254	0.243	11.06
78)	4-Chlorotoluene	1.192	1.415	1.297	1.388	1.409	1.340	7.13
79)	tert-butylbenzene	1.288	1.619	1.442	1.505	1.557	1.482	8.54
80)	1,2,4-Trimethylb...	1.380	1.761	1.577	1.781	1.676	1.635	10.02
81)	sec-Butylbenzene	1.758	2.192	2.047	2.518	2.206	2.144	12.87
82)	p-Isopropyltoluene	1.332	1.703	1.529	1.990	1.757	1.662	14.89
83) M	1,3-Dichlorobenzene	0.722	0.833	0.740	0.956	0.840	0.818	11.46
84) M	1,4-Dichlorobenzene	0.687	0.811	0.724	0.936	0.817	0.795	12.14
85)	n-Butylbenzene	0.966	1.311	1.308	1.713	1.533	1.366	20.52
86) T	Hexachloroethane	0.294	0.338	0.301	0.391	0.332	0.331	11.58
87) M	1,2-Dichlorobenzene	0.743	0.859	0.721	0.922	0.797	0.808	10.28
88)	1,2-Dibromo-3-Ch...	0.125	0.144	0.130	0.168	0.149	0.143	11.90
89)	1,2,4-Trichlorob...	0.286	0.398	0.342	0.508	0.460	0.399	22.33
90)	Hexachlorobutadiene	0.189	0.216	0.165	0.230	0.199	0.200	12.48
91) M	Naphthalene	0.796	1.331	1.349	1.843	1.679	1.399	28.74
92)	1,2,3-Trichlorob...	0.307	0.413	0.355	0.505	0.455	0.407	19.28

(#) = Out of Range