

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N051622W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Mon May 16 14:12:48 2022
 Response Via : Initial Calibration

Calibration Files

5 =VN072495.D 20 =VN072496.D 50 =VN072497.D 100 =VN072498.D 150 =VN072499.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	2.545	2.655	2.532	2.372	2.356	2.492	5.07
3) M	Chloromethane	2.314	2.378	2.225	2.120	2.217	2.251	4.39
4) M	Vinyl Chloride	1.970	2.010	1.880	1.785	1.856	1.900	4.74
5) M	Bromomethane	1.507	1.409	1.561	1.603	1.647	1.545	5.98
6) M	Chloroethane	1.322	1.285	1.236	1.141	1.219	1.241	5.55
7) M	Trichlorofluorom...	4.582	4.840	4.613	4.220	4.186	4.488	6.22
8) T	Diethyl Ether	1.348	1.410	1.379	1.272	1.341	1.350	3.82
9)	1,1,2-Trichlorot...	2.104	2.284	2.177	2.025	1.984	2.115	5.68
10) M	1,1-Dichloroethene	1.882	1.968	1.968	1.869	1.848	1.907	3.00
11)	Methyl Iodide	2.464	2.946	3.033	2.923	2.993	2.872	8.08
12)	Methyl Acetate	2.938	3.321	3.156	2.907	3.102	3.085	5.48
13) M	Acrolein	0.479	0.502	0.487	0.471	0.485	0.485	2.38
14) M	Acrylonitrile	1.233	1.332	1.350	1.252	1.341	1.301	4.21
15) M	Acetone	0.336	0.354	0.346	0.328	0.342	0.341	2.90
16) M	Carbon Disulfide	4.608	5.179	5.100	4.858	4.987	4.946	4.54
17)	Allyl chloride	3.187	3.546	3.548	3.397	3.531	3.442	4.53
18) M	Methylene Chloride	2.235	2.398	2.301	2.166	2.184	2.257	4.20
19) M	trans-1,2-Dichlo...	2.118	2.193	2.131	2.005	2.025	2.094	3.73
20) T	Diisopropyl ether	6.876	7.469	7.392	6.931	7.110	7.156	3.73
21) M	1,1-Dichloroethane	4.463	4.464	4.317	4.080	4.071	4.279	4.56
22) M	cis-1,2-Dichloro...	2.361	2.542	2.537	2.410	2.445	2.459	3.23
23) M	tert-Butyl Alcohol	0.545	0.575	0.573	0.551	0.611	0.571	4.50
24) M	Methyl tert-Buty...	7.095	8.186	8.121	7.846	7.866	7.823	5.55
25) M	Chloroform	4.519	4.877	4.776	4.441	4.463	4.615	4.29
26)	Cyclohexane	3.005	3.641	3.646	3.505	3.566	3.473	7.71
27) s	1,2-Dichloroetha...	3.377	3.668	3.345	3.349	3.139	3.376	5.60
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.567	0.586	0.648	0.580	0.607	0.597	5.34
30) M	2-Butanone	0.329	0.349	0.367	0.325	0.359	0.346	5.27
31)	2,2-Dichloropropane	0.711	0.713	0.814	0.720	0.747	0.741	5.82
32) M	1,1,1-Trichloroe...	0.876	0.841	0.903	0.803	0.838	0.852	4.51
33) M	Carbon Tetrachlo...	0.721	0.778	0.814	0.724	0.750	0.757	5.20
34) M	Benzene	1.700	1.711	1.799	1.594	1.684	1.698	4.30
35)	Methacrylonitrile	0.339	0.351	0.391	0.356	0.391	0.366	6.51
36) M	1,2-Dichloroethane	0.819	0.806	0.839	0.729	0.760	0.791	5.72
37) M	Trichloroethene	0.472	0.460	0.488	0.429	0.454	0.461	4.76
38)	Methylcyclohexane	0.599	0.684	0.768	0.688	0.716	0.691	8.86
39) M	1,2-Dichloropropane	0.419	0.438	0.453	0.400	0.427	0.428	4.67
40)	Dibromomethane	0.335	0.336	0.344	0.312	0.325	0.330	3.77
41) M	Bromodichloromet...	0.691	0.687	0.745	0.676	0.698	0.699	3.78
42) M	Vinyl Acetate	0.981	1.178	1.283	1.150	1.228	1.164	9.83
43)	Ethyl Acetate	0.692	0.652	0.684	0.648	0.700	0.675	3.54
44)	Isopropyl Acetate	1.018	1.071	1.150	1.033	1.132	1.081	5.41
45) T	1,4-Dioxane	0.009	0.010	0.011	0.010	0.011	0.010#	8.92
46)	Methyl methacrylate	0.480	0.469	0.583	0.490	0.535	0.512	9.22
47)	n-amyl Acetate	0.519	0.669	0.808	0.761	0.861	0.724	18.59
48) M	t-1,3-Dichloropr...	0.672	0.703	0.801	0.731	0.784	0.738	7.33
49) T	cis-1,3-Dichloro...	0.687	0.731	0.798	0.719	0.785	0.744	6.25
50) M	1,1,2-Trichloroe...	0.463	0.449	0.483	0.427	0.455	0.455	4.50
51)	Ethyl methacrylate	0.599	0.681	0.779	0.709	0.782	0.710	10.69
52)	1,3-Dichloropropane	0.784	0.781	0.837	0.743	0.789	0.787	4.23
53) M	Dibromochloromet...	0.511	0.554	0.586	0.528	0.570	0.550	5.55
54) M	1,2-Dibromoethane	0.468	0.467	0.522	0.462	0.503	0.484	5.49
55) M	2-Chloroethyl vi...	0.130	0.159	0.202	0.187	0.222	0.180	20.12
56) M	Bromoform	0.387	0.389	0.447	0.406	0.444	0.415	7.03

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.653	0.721	0.735	0.688	0.737	0.707	5.10
59) M	2-Hexanone	0.451	0.528	0.546	0.514	0.558	0.519	8.01
60) S	4-Bromofluoroben...	0.531	0.573	0.585	0.617	0.623	0.586	6.33
61) M	Tetrachloroethene	0.478	0.464	0.460	0.423	0.422	0.449	5.69
62) M	Toluene	2.073	2.049	2.077	1.955	1.979	2.027	2.76
63) S	Toluene-d8	1.705	1.675	1.577	1.645	1.588	1.638	3.36
64) M	Chlorobenzene	1.274	1.239	1.298	1.234	1.276	1.264	2.13
65)	1,1,1,2-Tetrachl...	0.510	0.539	0.538	0.506	0.521	0.523	2.95
66) M	Ethyl Benzene	2.041	2.283	2.413	2.286	2.376	2.280	6.37
67) M	m/p-Xylenes	0.771	0.864	0.924	0.866	0.896	0.864	6.70
68) M	o-Xylene	0.760	0.854	0.895	0.862	0.900	0.854	6.61
69) M	Styrene	1.122	1.333	1.457	1.411	1.481	1.361	10.64
70)	Isopropylbenzene	1.897	2.258	2.439	2.329	2.412	2.267	9.65
71) M	1,1,2,2-Tetrachl...	0.663	0.714	0.710	0.680	0.695	0.692	3.06
72)	1,2,3-Trichlorop...	0.672	0.681	0.720	0.569	0.605	0.649	9.44
73)	Bromobenzene	0.503	0.533	0.570	0.547	0.574	0.546	5.33
74)	n-propylbenzene	1.951	2.384	2.691	2.623	2.759	2.482	13.24
75)	2-Chlorotoluene	1.408	1.610	1.699	1.612	1.688	1.603	7.28
76)	1,3,5-Trimethylb...	1.608	1.919	2.090	2.002	2.075	1.939	10.16
77)	t-1,4-Dichloro-2...	0.178	0.191	0.226	0.230	0.248	0.215	13.56
78)	4-Chlorotoluene	1.239	1.452	1.613	1.564	1.647	1.503	10.96
79)	tert-butylbenzene	1.424	1.678	1.860	1.752	1.804	1.704	9.99
80)	1,2,4-Trimethylb...	1.496	2.181	2.023	1.951	2.025	1.935	13.40
81)	sec-Butylbenzene	1.786	2.181	2.472	2.372	2.482	2.259	12.86
82)	p-Isopropyltoluene	1.378	1.807	2.062	2.014	2.085	1.869	15.81
83) M	1,3-Dichlorobenzene	0.798	0.889	0.995	0.963	1.013	0.931	9.50
84) M	1,4-Dichlorobenzene	0.779	0.863	0.953	0.947	0.990	0.906	9.35
85)	n-Butylbenzene	0.995	1.230	1.496	1.545	1.661	1.385	19.46
86) T	Hexachloroethane	0.311	0.318	0.357	0.357	0.379	0.344	8.35
87) M	1,2-Dichlorobenzene	0.780	0.899	0.978	0.924	0.971	0.911	8.78
88)	1,2-Dibromo-3-Ch...	0.129	0.159	0.172	0.168	0.186	0.163	13.05
89)	1,2,4-Trichlorob...	0.264	0.356	0.450	0.472	0.518	0.412	24.72
90)	Hexachlorobutadiene	0.248	0.258	0.274	0.244	0.251	0.255	4.56
91) M	Naphthalene	0.576	1.011	1.380	1.527	1.713	1.241	36.46
92)	1,2,3-Trichlorob...	0.276	0.376	0.457	0.476	0.513	0.420	22.63

(#) = Out of Range