

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N101222W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Thu Oct 13 07:52:24 2022
 Response Via : Initial Calibration

Calibration Files

5 =VN074868.D 20 =VN074869.D 50 =VN074870.D 100 =VN074871.D 150 =VN074872.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	2.072	1.706	1.576	1.469	1.507	1.666	14.66
3) M	Chloromethane	3.537	2.845	2.638	2.268	2.184	2.694	20.14
4) M	Vinyl Chloride	4.824	4.322	3.990	3.414	3.288	3.967	16.08
5) M	Bromomethane	3.637	3.266	3.144	2.981	2.699	3.146	11.04
6) M	Chloroethane	3.668	3.409	2.835	2.580	2.385	2.975	18.36
7) M	Trichlorofluorom...	3.638	3.101	2.838	2.634	2.578	2.958	14.60
8) T	Diethyl Ether	1.550	1.481	1.335	1.246	1.284	1.379	9.48
9)	1,1,2-Trichlorot...	2.156	1.956	1.844	1.692	1.658	1.861	10.96
10) M	1,1-Dichloroethene	2.304	1.826	1.754	1.621	1.649	1.831	15.12
11)	Methyl Iodide	2.585	2.351	2.199	2.087	2.205	2.285	8.40
12)	Methyl Acetate	5.809	4.474	4.206	3.860	3.715	4.413	18.92
13) M	Acrolein	0.742	0.618	0.607	0.583	0.567	0.624	11.07
14) M	Acrylonitrile	1.816	1.689	1.658	1.520	1.546	1.646	7.23
15) M	Acetone	0.571	0.463	0.436	0.394	0.392	0.451	16.22
16) M	Carbon Disulfide	5.377	4.799	4.596	4.216	4.531	4.704	9.16
17)	Allyl chloride	4.495	4.062	3.389	3.144	3.136	3.645	16.64
18) M	Methylene Chloride	2.866	2.481	2.305	2.088	2.129	2.374	13.32
19) M	trans-1,2-Dichlo...	2.291	1.990	2.005	1.817	1.945	2.010	8.64
20) T	Diisopropyl ether	9.463	8.480	8.370	8.049	8.185	8.509	6.56
21) M	1,1-Dichloroethane	4.948	4.460	4.218	3.969	4.052	4.329	9.09
22) M	cis-1,2-Dichloro...	2.844	2.524	2.513	2.318	2.384	2.517	8.06
23) M	tert-Butyl Alcohol	0.901	0.700	0.687	0.583	0.597	0.694	18.31
24) M	Methyl tert-Buty...	8.625	7.641	7.481	7.150	7.334	7.646	7.54
25) M	Chloroform	5.030	4.156	4.257	3.986	4.065	4.299	9.80
26)	Cyclohexane	4.145	3.847	3.797	3.620	3.605	3.803	5.76
27) s	1,2-Dichloroetha...	2.993	2.700	2.914	2.792	2.644	2.809	5.17
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.575	0.536	0.548	0.503	0.544	0.541	4.79
30) M	2-Butanone	0.485	0.446	0.435	0.391	0.401	0.432	8.71
31)	2,2-Dichloropropane	0.735	0.660	0.654	0.608	0.656	0.663	6.92
32) M	1,1,1-Trichloroe...	0.670	0.659	0.654	0.608	0.654	0.649	3.63
33) M	Carbon Tetrachlo...	0.533	0.556	0.541	0.500	0.536	0.533	3.89
34) M	Benzene	1.961	1.846	1.792	1.637	1.710	1.789	6.96
35)	Methacrylonitrile	0.498	0.463	0.435	0.401	0.423	0.444	8.45
36) M	1,2-Dichloroethane	0.622	0.603	0.609	0.548	0.597	0.596	4.80
37) M	Trichloroethene	0.402	0.375	0.376	0.348	0.360	0.372	5.44
38)	Methylcyclohexane	0.660	0.639	0.680	0.640	0.669	0.658	2.70
39) M	1,2-Dichloropropane	0.481	0.488	0.470	0.429	0.451	0.464	5.13
40)	Dibromomethane	0.346	0.310	0.303	0.280	0.298	0.307	7.95
41) M	Bromodichloromet...	0.608	0.607	0.604	0.571	0.603	0.599	2.59
42) M	Vinyl Acetate	1.347	1.359	1.216	1.151	1.360	1.287	7.56
43)	Ethyl Acetate	0.930	0.835	0.852	0.780	0.802	0.840	6.84
44)	Isopropyl Acetate	1.388	1.314	1.315	1.200	1.275	1.299	5.29
45) T	1,4-Dioxane	0.012	0.012	0.013	0.011	0.011	0.012	7.54
46)	Methyl methacrylate	0.555	0.571	0.575	0.533	0.577	0.562	3.30
47)	n-amyl Acetate	1.015	1.101	1.180	1.140	1.244	1.136	7.57
48) M	t-1,3-Dichloropr...	0.652	0.672	0.707	0.677	0.725	0.687	4.25
49) T	cis-1,3-Dichloro...	0.759	0.703	0.735	0.698	0.746	0.728	3.67
50) M	1,1,2-Trichloroe...	0.516	0.460	0.441	0.408	0.437	0.452	8.84
51)	Ethyl methacrylate	0.793	0.735	0.778	0.737	0.802	0.769	4.08
52)	1,3-Dichloropropane	0.806	0.821	0.788	0.727	0.761	0.781	4.81
53) M	Dibromochloromet...	0.406	0.443	0.457	0.441	0.469	0.443	5.39
54) M	1,2-Dibromoethane	0.431	0.420	0.456	0.417	0.449	0.435	3.98
55) M	2-Chloroethyl vi...	0.338	0.284	0.300	0.270	0.313	0.301	8.75
56) M	Bromoform	0.279	0.285	0.332	0.335	0.366	0.319	11.50

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		-----ISTD-----							
57) I	Chlorobenzene-d5								
58) M	4-Methyl-2-Penta...	0.986	0.983	0.954	0.851	0.891	0.933		6.38
59) M	2-Hexanone	0.742	0.761	0.742	0.661	0.684	0.718		5.98
60) S	4-Bromofluoroben...	0.457	0.505	0.558	0.557	0.582	0.532		9.49
61) M	Tetrachloroethene	0.366	0.332	0.319	0.280	0.302	0.320		10.16
62) M	Toluene	2.178	2.186	2.077	1.888	2.034	2.073		5.88
63) S	Toluene-d8	1.753	1.785	1.732	1.681	1.707	1.731		2.32
64) M	Chlorobenzene	1.195	1.241	1.196	1.085	1.173	1.178		4.89
65)	1,1,1,2-Tetrachl...	0.476	0.457	0.446	0.409	0.430	0.444		5.75
66) M	Ethyl Benzene	2.228	2.303	2.359	2.098	2.280	2.254		4.38
67) M	m/p-Xylenes	0.795	0.865	0.891	0.809	0.873	0.847		4.97
68) M	o-Xylene	0.832	0.871	0.890	0.823	0.888	0.861		3.67
69) M	Styrene	1.247	1.373	1.482	1.394	1.547	1.409		8.11
70)	Isopropylbenzene	1.995	2.225	2.333	2.175	2.371	2.220		6.69
71) M	1,1,2,2-Tetrachl...	0.902	0.856	0.838	0.763	0.793	0.830		6.56
72)	1,2,3-Trichlorop...	0.645	0.738	0.745	0.657	0.703	0.698		6.55
73)	Bromobenzene	0.450	0.474	0.485	0.442	0.475	0.465		3.97
74)	n-propylbenzene	2.244	2.549	2.781	2.584	2.783	2.588		8.53
75)	2-Chlorotoluene	1.387	1.516	1.598	1.487	1.582	1.514		5.58
76)	1,3,5-Trimethylb...	1.585	1.766	1.943	1.790	1.934	1.804		8.13
77)	t-1,4-Dichloro-2...	0.277	0.278	0.298	0.288	0.308	0.290		4.51
78)	4-Chlorotoluene	1.242	1.389	1.538	1.465	1.590	1.445		9.44
79)	tert-butylbenzene	1.543	1.563	1.686	1.548	1.684	1.605		4.58
80)	1,2,4-Trimethylb...	1.585	1.754	1.955	1.806	1.976	1.815		8.81
81)	sec-Butylbenzene	1.968	2.258	2.495	2.298	2.512	2.306		9.56
82)	p-Isopropyltoluene	1.462	1.753	2.002	1.882	2.062	1.832		13.00
83) M	1,3-Dichlorobenzene	0.812	0.874	0.970	0.905	0.978	0.908		7.62
84) M	1,4-Dichlorobenzene	0.753	0.843	0.937	0.876	0.950	0.872		9.12
85)	n-Butylbenzene	1.196	1.513	1.749	1.703	1.925	1.617		17.14
86) T	Hexachloroethane	0.318	0.364	0.385	0.347	0.380	0.359		7.63
87) M	1,2-Dichlorobenzene	0.746	0.897	0.977	0.895	0.991	0.901		10.82
88)	1,2-Dibromo-3-Ch...	0.169	0.164	0.175	0.161	0.169	0.168		3.21
89)	1,2,4-Trichlorob...	0.328	0.383	0.434	0.425	0.487	0.412		14.45
90)	Hexachlorobutadiene	0.209	0.192	0.204	0.190	0.208	0.201		4.51
91) M	Naphthalene	1.238	1.491	1.788	1.732	1.917	1.633		16.51
92)	1,2,3-Trichlorob...	0.385	0.417	0.439	0.433	0.477	0.431		7.79

(#) = Out of Range