

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N072722W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Wed Jul 27 18:07:26 2022
 Response Via : Initial Calibration

Calibration Files

5 =VN073599.D 20 =VN073600.D 50 =VN073601.D 100 =VN073602.D 150 =VN073603.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	2.061	2.048	2.015	2.154	1.918	2.039	4.18
3) M	Chloromethane	2.853	2.828	2.738	2.705	2.356	2.696	7.41
4) M	Vinyl Chloride	3.466	3.340	3.314	3.464	2.961	3.309	6.24
5) M	Bromomethane	1.972	1.946	1.840	1.839	0.809	1.681	29.22
6) M	Chloroethane	2.569	2.284	2.185	2.230	1.940	2.242	10.05
7) M	Trichlorofluorom...	3.557	3.219	3.125	3.338	3.034	3.255	6.24
8) T	Diethyl Ether	1.376	1.244	1.269	1.404	1.256	1.310	5.66
9)	1,1,2-Trichlorot...	2.169	1.931	1.870	2.024	1.818	1.962	7.06
10) M	1,1-Dichloroethene	1.931	1.817	1.817	2.006	1.821	1.878	4.60
11)	Methyl Iodide	1.721	1.967	2.142	2.571	2.432	2.166	15.87
12)	Methyl Acetate	3.265	3.168	3.148	3.371	3.008	3.192	4.25
13) M	Acrolein	0.532	0.561	0.548	0.597	0.567	0.561	4.31
14) M	Acrylonitrile	1.397	1.489	1.466	1.599	1.415	1.473	5.40
15) M	Acetone	0.456	0.407	0.389	0.422	0.374	0.410	7.67
16) M	Carbon Disulfide	5.187	4.963	5.002	5.473	5.038	5.133	4.05
17)	Allyl chloride	3.173	3.003	3.113	3.360	3.015	3.133	4.63
18) M	Methylene Chloride	2.777	2.305	2.230	2.411	2.176	2.380	10.04
19) M	trans-1,2-Dichlo...	2.064	2.037	2.073	2.227	2.011	2.082	4.05
20) T	Diisopropyl ether	6.722	6.735	6.794	7.367	6.457	6.815	4.92
21) M	1,1-Dichloroethane	4.278	3.951	3.927	4.217	3.735	4.022	5.56
22) M	cis-1,2-Dichloro...	2.497	2.377	2.468	2.727	2.456	2.505	5.27
23) M	tert-Butyl Alcohol	0.487	0.501	0.516	0.571	0.528	0.521	6.19
24) M	Methyl tert-Buty...	6.319	6.334	6.600	7.282	6.561	6.619	5.93
25) M	Chloroform	4.292	4.170	4.077	4.364	3.853	4.151	4.82
26)	Cyclohexane	3.431	3.340	3.493	3.777	3.303	3.469	5.42
27) s	1,2-Dichloroetha...	2.648	2.693	2.554	2.590	2.484	2.594	3.14
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.557	0.552	0.569	0.596	0.529	0.561	4.35
30) M	2-Butanone	0.401	0.390	0.390	0.403	0.354	0.387	5.03
31)	2,2-Dichloropropane	0.634	0.575	0.574	0.605	0.536	0.585	6.31
32) M	1,1,1-Trichloroe...	0.673	0.651	0.634	0.679	0.607	0.649	4.55
33) M	Carbon Tetrachlo...	0.577	0.542	0.547	0.586	0.528	0.556	4.41
34) M	Benzene	1.913	1.833	1.798	1.874	1.651	1.814	5.54
35)	Methacrylonitrile	0.324	0.355	0.315	0.333	0.246	0.315	13.03
36) M	1,2-Dichloroethane	0.651	0.613	0.590	0.606	0.531	0.598	7.34
37) M	Trichloroethene	0.458	0.432	0.437	0.474	0.430	0.446	4.34
38)	Methylcyclohexane	0.664	0.666	0.709	0.763	0.677	0.696	6.01
39) M	1,2-Dichloropropane	0.489	0.465	0.453	0.471	0.411	0.458	6.38
40)	Dibromomethane	0.327	0.313	0.307	0.320	0.285	0.311	5.10
41) M	Bromodichloromet...	0.644	0.608	0.594	0.630	0.563	0.608	5.26
42) M	Vinyl Acetate	1.056	1.109	1.140	1.207	1.071	1.117	5.40
43)	Ethyl Acetate	0.793	0.690	0.760	0.772	0.663	0.736	7.62
44)	Isopropyl Acetate	0.961	1.013	1.047	1.105	0.989	1.023	5.42
45) T	1,4-Dioxane	0.012	0.012	0.013	0.013	0.011	0.012	5.76
46)	Methyl methacrylate	0.437	0.446	0.460	0.496	0.449	0.457	5.03
47)	n-amyl Acetate	0.655	0.763	0.860	0.945	0.855	0.816	13.55
48) M	t-1,3-Dichloropr...	0.582	0.576	0.630	0.701	0.641	0.626	8.10
49) T	cis-1,3-Dichloro...	0.659	0.670	0.698	0.762	0.685	0.695	5.80
50) M	1,1,2-Trichloroe...	0.488	0.457	0.470	0.486	0.429	0.466	5.20
51)	Ethyl methacrylate	0.618	0.660	0.724	0.785	0.716	0.700	9.14
52)	1,3-Dichloropropane	0.819	0.770	0.791	0.821	0.724	0.785	5.14
53) M	Dibromochloromet...	0.445	0.454	0.473	0.521	0.468	0.472	6.22
54) M	1,2-Dibromoethane	0.464	0.460	0.478	0.513	0.458	0.475	4.83
55) M	2-Chloroethyl vi...	0.249	0.303	0.324	0.359	0.336	0.314	13.31
56) M	Bromoform	0.332	0.330	0.376	0.426	0.391	0.371	11.00

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.766	0.800	0.777	0.814	0.723	0.776	4.53
59) M	2-Hexanone	0.581	0.608	0.610	0.630	0.559	0.597	4.65
60) S	4-Bromofluoroben...	0.491	0.522	0.541	0.554	0.547	0.531	4.78
61) M	Tetrachloroethene	0.492	0.460	0.447	0.473	0.425	0.460	5.56
62) M	Toluene	2.204	2.101	2.061	2.156	1.910	2.086	5.39
63) S	Toluene-d8	1.761	1.750	1.687	1.641	1.608	1.689	3.95
64) M	Chlorobenzene	1.282	1.207	1.230	1.323	1.190	1.246	4.42
65)	1,1,1,2-Tetrachl...	0.464	0.448	0.455	0.498	0.449	0.463	4.52
66) M	Ethyl Benzene	2.116	2.168	2.254	2.431	2.182	2.230	5.50
67) M	m/p-Xylenes	0.772	0.840	0.874	0.935	0.842	0.852	6.95
68) M	o-Xylene	0.780	0.819	0.862	0.935	0.837	0.847	6.82
69) M	Styrene	1.191	1.358	1.443	1.568	1.418	1.396	9.85
70)	Isopropylbenzene	1.915	2.114	2.240	2.396	2.158	2.165	8.14
71) M	1,1,2,2-Tetrachl...	0.799	0.764	0.760	0.791	0.692	0.761	5.54
72)	1,2,3-Trichlorop...	0.685	0.575	0.676	0.706	0.536	0.636	11.83
73)	Bromobenzene	0.500	0.508	0.547	0.595	0.539	0.538	7.00
74)	n-propylbenzene	2.246	2.426	2.610	2.810	2.503	2.519	8.33
75)	2-Chlorotoluene	1.429	1.490	1.529	1.642	1.462	1.510	5.45
76)	1,3,5-Trimethylb...	1.629	1.791	1.867	1.991	1.788	1.813	7.27
77)	t-1,4-Dichloro-2...	0.192	0.211	0.235	0.272	0.249	0.232	13.54
78)	4-Chlorotoluene	1.324	1.401	1.480	1.606	1.442	1.451	7.18
79)	tert-butylbenzene	1.368	1.499	1.621	1.761	1.590	1.568	9.31
80)	1,2,4-Trimethylb...	1.524	1.764	1.877	1.999	1.816	1.796	9.79
81)	sec-Butylbenzene	1.951	2.146	2.330	2.536	2.291	2.251	9.69
82)	p-Isopropyltoluene	1.459	1.730	1.933	2.162	1.956	1.848	14.38
83) M	1,3-Dichlorobenzene	0.895	0.924	1.003	1.096	1.003	0.984	7.97
84) M	1,4-Dichlorobenzene	0.823	0.900	0.970	1.076	0.978	0.949	9.95
85)	n-Butylbenzene	1.127	1.330	1.574	1.802	1.658	1.498	17.95
86) T	Hexachloroethane	0.314	0.316	0.339	0.379	0.346	0.339	7.76
87) M	1,2-Dichlorobenzene	0.918	0.972	1.009	1.084	0.993	0.995	6.07
88)	1,2-Dibromo-3-Ch...	0.157	0.161	0.163	0.181	0.170	0.166	5.51
89)	1,2,4-Trichlorob...	0.405	0.463	0.567	0.674	0.629	0.548	20.51
90)	Hexachlorobutadiene	0.248	0.252	0.274	0.314	0.298	0.277	10.35
91) M	Naphthalene	1.176	1.582	1.927	2.237	2.069	1.798	23.53
92)	1,2,3-Trichlorob...	0.423	0.500	0.589	0.676	0.625	0.563	18.00

(#) = Out of Range