

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N030823W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Thu Mar 09 04:16:54 2023
 Response Via : Initial Calibration

Calibration Files

5 =VN076883.D 20 =VN076885.D 50 =VN076886.D 100 =VN076887.D 10 =VN076884.D

Compound		5	20	50	100	10	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	3.805	3.507	3.877	3.701	4.305	3.839	7.70
3) M	Chloromethane	3.874	3.121	3.448	3.120	3.980	3.509	11.58
4) M	Vinyl Chloride	3.393	2.881	3.192	2.905	3.627	3.200	9.98
5) M	Bromomethane	2.503	1.774	1.831	1.759	2.365	2.046	17.49
6) M	Chloroethane	2.139	1.660	1.846	1.633	2.124	1.880	12.95
7) M	Trichlorofluorom...	6.580	5.329	5.937	5.523	6.519	5.977	9.48
8) T	Diethyl Ether	2.348	1.984	2.327	2.191	2.358	2.242	7.10
9)	1,1,2-Trichlorot...	3.555	3.046	3.475	3.162	3.694	3.386	8.05
10) M	1,1-Dichloroethene	3.442	2.949	3.320	3.104	3.619	3.287	8.09
11)	Methyl Iodide	3.637	3.541	4.396	4.131	4.097	3.960	9.08
12)	Methyl Acetate	5.539	4.855	5.472	5.068	6.096	5.406	8.85
13) M	Acrolein	0.816	0.706	0.795	0.803	0.875	0.799	7.59
14) M	Acrylonitrile	1.878	1.578	1.782	1.691	1.975	1.781	8.73
15) M	Acetone	0.507	0.436	0.472	0.438	0.571	0.485	11.57
16) M	Carbon Disulfide	9.603	8.101	9.304	8.745	9.816	9.114	7.62
17)	Allyl chloride	5.094	4.305	5.109	4.742	5.399	4.930	8.52
18) M	Methylene Chloride	4.314	3.379	3.789	3.459	4.282	3.845	11.49
19) M	trans-1,2-Dichlo...	3.553	3.060	3.546	3.264	3.894	3.463	9.16
20) T	Diisopropyl ether	1.123	1.016	1.176	1.065	1.180	1.112	E1 6.41
21) M	1,1-Dichloroethane	6.874	5.857	6.721	6.186	7.453	6.618	9.37
22) M	cis-1,2-Dichloro...	3.986	3.613	4.067	3.769	4.410	3.969	7.67
23) M	tert-Butyl Alcohol	0.560	0.461	0.510	0.462	0.594	0.517	11.48
24) M	Methyl tert-Buty...	1.068	0.966	1.129	1.051	1.144	1.072	E1 6.62
25) M	Chloroform	7.445	5.970	6.757	6.214	7.608	6.799	10.67
26)	Cyclohexane	6.018	5.507	6.387	5.701	6.599	6.043	7.55
27) s	1,2-Dichloroetha...	2.628	2.811	2.826	2.777	2.746	2.757	2.85
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.764	0.604	0.709	0.661	0.795	0.707	10.88
30) M	2-Butanone	0.349	0.277	0.312	0.294	0.380	0.322	12.97
31)	2,2-Dichloropropane	0.741	0.607	0.697	0.678	0.778	0.700	9.25
32) M	1,1,1-Trichloroe...	0.875	0.714	0.813	0.776	0.942	0.824	10.69
33) M	Carbon Tetrachlo...	0.812	0.622	0.716	0.677	0.816	0.729	11.64
34) M	Benzene	2.386	1.856	2.117	1.975	2.498	2.166	12.50
35)	Methacrylonitrile	0.394	0.305	0.371	0.347	0.396	0.363	10.44
36) M	1,2-Dichloroethane	0.804	0.622	0.702	0.655	0.848	0.726	13.30
37) M	Trichloroethene	0.579	0.461	0.530	0.504	0.595	0.534	10.27
38)	Methylcyclohexane	0.903	0.763	0.904	0.865	0.963	0.880	8.40
39) M	1,2-Dichloropropane	0.622	0.490	0.541	0.504	0.627	0.557	11.57
40)	Dibromomethane	0.393	0.309	0.346	0.324	0.400	0.355	11.51
41) M	Bromodichloromet...	0.797	0.631	0.718	0.690	0.798	0.727	9.87
42) M	Vinyl Acetate	1.036	0.864	1.043	0.983	1.099	1.005	8.84
43)	Ethyl Acetate	0.695	0.564	0.625	0.610	0.758	0.651	11.75
44)	Isopropyl Acetate	1.100	0.917	1.072	1.014	1.170	1.054	9.00
45) T	1,4-Dioxane	0.010	0.008	0.009	0.008	0.011	0.009	13.38
46)	Methyl methacrylate	0.548	0.450	0.514	0.496	0.559	0.514	8.50
47)	n-amyl Acetate	0.868	0.721	0.909	0.881	0.911	0.858	9.17
48) M	t-1,3-Dichloropr...	0.770	0.614	0.740	0.744	0.772	0.728	9.00
49) T	cis-1,3-Dichloro...	0.865	0.709	0.846	0.823	0.891	0.827	8.50
50) M	1,1,2-Trichloroe...	0.602	0.439	0.503	0.474	0.580	0.519	13.40
51)	Ethyl methacrylate	0.765	0.662	0.800	0.777	0.824	0.766	8.12
52)	1,3-Dichloropropane	0.999	0.773	0.876	0.831	1.007	0.897	11.52
53) M	Dibromochloromet...	0.577	0.453	0.526	0.509	0.585	0.530	10.15
54) M	1,2-Dibromoethane	0.537	0.428	0.499	0.485	0.557	0.501	9.96
55) M	2-Chloroethyl vi...	0.265	0.234	0.287	0.318	0.238	0.269	12.99
56) M	Bromoform	0.366	0.303	0.362	0.355	0.386	0.355	8.76

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.656	0.545	0.590	0.549	0.691	0.606	10.75
59) M	2-Hexanone	0.459	0.388	0.420	0.395	0.490	0.431	10.09
60) S	4-Bromofluoroben...	0.549	0.573	0.567	0.588	0.561	0.568	2.54
61) M	Tetrachloroethene	0.502	0.421	0.470	0.450	0.525	0.474	8.72
62) M	Toluene	2.289	1.841	2.007	1.893	2.305	2.067	10.57
63) S	Toluene-d8	1.059	1.088	1.031	1.019	1.079	1.055	2.81
64) M	Chlorobenzene	1.333	1.083	1.174	1.134	1.361	1.217	10.15
65)	1,1,1,2-Tetrachl...	0.507	0.401	0.439	0.420	0.518	0.457	11.50
66) M	Ethyl Benzene	2.319	2.006	2.271	2.163	2.462	2.244	7.62
67) M	m/p-Xylenes	0.872	0.776	0.848	0.811	0.943	0.850	7.47
68) M	o-Xylene	0.863	0.748	0.831	0.787	0.921	0.830	8.10
69) M	Styrene	1.352	1.228	1.383	1.321	1.447	1.346	6.01
70)	Isopropylbenzene	2.184	1.958	2.187	2.109	2.360	2.160	6.74
71) M	1,1,2,2-Tetrachl...	0.743	0.578	0.611	0.574	0.750	0.651	13.53
72)	1,2,3-Trichlorop...	0.675	0.519	0.557	0.542	0.694	0.597	13.54
73)	Bromobenzene	0.521	0.429	0.481	0.465	0.540	0.487	9.08
74)	n-propylbenzene	2.497	2.304	2.631	2.523	2.790	2.549	7.02
75)	2-Chlorotoluene	1.630	1.414	1.574	1.510	1.754	1.576	8.11
76)	1,3,5-Trimethylb...	1.869	1.695	1.895	1.809	2.078	1.869	7.49
77)	t-1,4-Dichloro-2...	0.190	0.164	0.183	0.190	0.186	0.182	5.98
78)	4-Chlorotoluene	1.544	1.355	1.528	1.481	1.689	1.520	7.93
79)	tert-butylbenzene	1.590	1.395	1.600	1.521	1.709	1.563	7.38
80)	1,2,4-Trimethylb...	1.852	1.682	1.872	1.793	1.986	1.837	6.07
81)	sec-Butylbenzene	2.211	2.036	2.310	2.227	2.399	2.236	6.03
82)	p-Isopropyltoluene	1.698	1.661	1.897	1.826	1.957	1.808	7.00
83) M	1,3-Dichlorobenzene	0.961	0.806	0.896	0.864	0.981	0.902	7.93
84) M	1,4-Dichlorobenzene	0.905	0.779	0.888	0.865	0.942	0.876	6.95
85)	n-Butylbenzene	1.363	1.363	1.678	1.677	1.579	1.532	10.41
86) T	Hexachloroethane	0.330	0.283	0.324	0.325	0.351	0.323	7.63
87) M	1,2-Dichlorobenzene	0.963	0.810	0.886	0.858	0.980	0.899	7.97
88)	1,2-Dibromo-3-Ch...	0.133	0.109	0.129	0.128	0.135	0.127	8.24
89)	1,2,4-Trichlorob...	0.426	0.419	0.516	0.534	0.503	0.480	11.16
90)	Hexachlorobutadiene	0.265	0.224	0.252	0.258	0.267	0.253	6.89
91) M	Naphthalene	1.337	1.355	1.668	1.709	1.538	1.521	11.31
92)	1,2,3-Trichlorob...	0.458	0.432	0.510	0.514	0.489	0.481	7.31

(#) = Out of Range