

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N090624W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Sep 06 23:42:47 2024
 Response Via : Initial Calibration

Calibration Files

5 =VN083694.D 20 =VN083693.D 50 =VN083692.D 100 =VN083691.D 150 =VN083690.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.864	1.985	1.956	2.096	2.144	2.009	5.58
3) M	Chloromethane	2.076	2.050	1.995	2.159	2.157	2.087	3.38
4) M	Vinyl Chloride	2.079	2.101	2.069	2.261	2.219	2.146	4.11
5) M	Bromomethane	1.208	1.195	1.121	1.222	1.249	1.199	4.00
6) M	Chloroethane	1.551	1.376	1.303	1.472	1.482	1.437	6.76
7) M	Trichlorofluorom...	3.618	3.455	3.447	3.724	3.745	3.598	3.96
8) T	Diethyl Ether	1.160	1.187	1.170	1.284	1.311	1.222	5.72
9)	1,1,2-Trichlorot...	1.877	1.837	1.847	2.018	2.083	1.932	5.74
10) M	1,1-Dichloroethene	1.821	1.782	1.785	1.975	1.959	1.865	5.11
11)	Methyl Iodide	2.326	2.438	2.459	2.709	2.731	2.533	7.04
12)	Methyl Acetate	2.696	2.072	2.034	2.202	2.239	2.249	11.76
13) M	Acrolein	0.252	0.350	0.333	0.362	0.343	0.328	13.31
14) M	Acrylonitrile	0.921	0.871	0.861	0.940	0.958	0.910	4.69
15) M	Acetone	0.226	0.272	0.285	0.340	0.386	0.302	20.54
16) M	Carbon Disulfide	5.236	5.123	5.042	5.449	5.498	5.269	3.78
17)	Allyl chloride	3.058	3.113	3.156	3.494	3.528	3.270	6.82
18) M	Methylene Chloride	1.991	1.983	1.938	2.155	2.133	2.040	4.77
19) M	trans-1,2-Dichlo...	1.870	1.891	1.845	2.024	2.032	1.932	4.58
20) T	Diisopropyl ether	6.415	6.156	6.254	6.983	7.207	6.603	7.05
21) M	1,1-Dichloroethane	3.680	3.618	3.560	3.981	4.011	3.770	5.59
22) M	cis-1,2-Dichloro...	2.244	2.299	2.256	2.460	2.502	2.352	5.11
23) M	tert-Butyl Alcohol	0.320	0.329	0.316	0.347	0.357	0.334	5.31
24) M	Methyl tert-Buty...	6.233	6.456	6.327	6.990	7.123	6.626	6.10
25) M	Chloroform	3.833	3.886	3.823	4.201	4.234	3.995	5.12
26)	Cyclohexane	3.099	3.187	3.220	3.527	3.569	3.320	6.41
27) s	1,2-Dichloroetha...	2.665	2.768	2.747	2.739	2.793	2.742	1.75
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.478	0.448	0.454	0.503	0.496	0.476	5.14
30) M	2-Butanone	0.210	0.209	0.212	0.240	0.250	0.224	8.67
31)	2,2-Dichloropropane	0.578	0.565	0.579	0.655	0.657	0.607	7.46
32) M	1,1,1-Trichloroe...	0.636	0.600	0.608	0.672	0.662	0.635	5.00
33) M	Carbon Tetrachlo...	0.552	0.512	0.525	0.586	0.576	0.550	5.79
34) M	Benzene	1.417	1.373	1.356	1.502	1.491	1.428	4.65
35)	Methacrylonitrile	0.266	0.244	0.235	0.259	0.257	0.252	4.87
36) M	1,2-Dichloroethane	0.559	0.509	0.509	0.559	0.548	0.537	4.83
37) M	Trichloroethene	0.347	0.310	0.316	0.357	0.347	0.335	6.30
38)	Methylcyclohexane	0.539	0.525	0.549	0.614	0.621	0.570	7.81
39) M	1,2-Dichloropropane	0.349	0.324	0.327	0.362	0.355	0.344	4.99
40)	Dibromomethane	0.250	0.244	0.240	0.262	0.259	0.251	3.77
41) M	Bromodichloromet...	0.519	0.497	0.512	0.576	0.566	0.534	6.54
42) M	Vinyl Acetate	1.116	0.807	0.826	0.923	0.939	0.922	13.30
43)	Ethyl Acetate	0.462	0.430	0.425	0.466	0.474	0.451	4.97
44)	Isopropyl Acetate	0.758	0.735	0.746	0.837	0.829	0.781	6.19
45) T	1,4-Dioxane	0.006	0.006	0.006	0.006	0.006	0.006	3.14
46)	Methyl methacrylate	0.369	0.349	0.363	0.403	0.406	0.378	6.75
47)	n-amyl Acetate	0.597	0.641	0.682	0.771	0.767	0.692	11.09
48) M	t-1,3-Dichloropr...	0.551	0.521	0.534	0.607	0.597	0.562	6.78
49) T	cis-1,3-Dichloro...	0.566	0.538	0.557	0.635	0.626	0.584	7.42
50) M	1,1,2-Trichloroe...	0.316	0.302	0.306	0.341	0.333	0.320	5.37
51)	Ethyl methacrylate	0.499	0.526	0.525	0.594	0.588	0.546	7.71
52)	1,3-Dichloropropane	0.608	0.546	0.547	0.602	0.585	0.577	5.10
53) M	Dibromochloromet...	0.362	0.352	0.372	0.418	0.414	0.383	7.90
54) M	1,2-Dibromoethane	0.323	0.310	0.313	0.355	0.352	0.331	6.48
55) M	2-Chloroethyl vi...	0.224	0.229	0.197	0.208	0.230	0.218	6.61
56) M	Bromoform	0.224	0.223	0.237	0.269	0.265	0.244	8.99

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		-----ISTD-----							
57) I	Chlorobenzene-d5								
58) M	4-Methyl-2-Penta...	0.485	0.458	0.456	0.492	0.487	0.476		3.68
59) M	2-Hexanone	0.352	0.340	0.343	0.377	0.386	0.359		5.75
60) S	4-Bromofluoroben...	0.503	0.503	0.519	0.524	0.537	0.517		2.84
61) M	Tetrachloroethene	0.348	0.291	0.296	0.330	0.323	0.317		7.55
62) M	Toluene	1.782	1.633	1.661	1.783	1.762	1.724		4.16
63) S	Toluene-d8	1.429	1.385	1.381	1.374	1.376	1.389		1.65
64) M	Chlorobenzene	1.156	1.014	1.008	1.094	1.067	1.068		5.72
65)	1,1,1,2-Tetrachl...	0.379	0.349	0.360	0.389	0.383	0.372		4.51
66) M	Ethyl Benzene	2.010	1.799	1.879	2.073	2.043	1.961		5.95
67) M	m/p-Xylenes	0.718	0.673	0.697	0.762	0.757	0.721		5.32
68) M	o-Xylene	0.672	0.665	0.683	0.741	0.730	0.698		4.96
69) M	Styrene	1.145	1.102	1.147	1.272	1.233	1.180		5.94
70)	Isopropylbenzene	1.792	1.700	1.809	1.981	1.931	1.843		6.13
71) M	1,1,2,2-Tetrachl...	0.510	0.484	0.482	0.529	0.511	0.503		4.03
72)	1,2,3-Trichlorop...	0.462	0.423	0.417	0.454	0.450	0.441		4.48
73)	Bromobenzene	0.457	0.396	0.408	0.435	0.420	0.423		5.65
74)	n-propylbenzene	2.102	1.989	2.106	2.323	2.266	2.157		6.27
75)	2-Chlorotoluene	1.393	1.256	1.297	1.423	1.363	1.346		5.11
76)	1,3,5-Trimethylb...	1.478	1.453	1.522	1.653	1.590	1.539		5.32
77)	t-1,4-Dichloro-2...	0.169	0.171	0.180	0.206	0.207	0.187		10.02
78)	4-Chlorotoluene	1.445	1.263	1.298	1.433	1.386	1.365		5.94
79)	tert-butylbenzene	1.321	1.283	1.282	1.456	1.388	1.346		5.58
80)	1,2,4-Trimethylb...	1.509	1.444	1.535	1.676	1.613	1.555		5.82
81)	sec-Butylbenzene	1.792	1.667	1.798	2.000	1.935	1.839		7.13
82)	p-Isopropyltoluene	1.451	1.403	1.524	1.704	1.653	1.547		8.35
83) M	1,3-Dichlorobenzene	0.893	0.755	0.772	0.843	0.809	0.815		6.83
84) M	1,4-Dichlorobenzene	0.885	0.756	0.771	0.843	0.816	0.814		6.45
85)	n-Butylbenzene	1.314	1.208	1.306	1.505	1.492	1.365		9.43
86) T	Hexachloroethane	0.269	0.267	0.292	0.324	0.313	0.293		8.70
87) M	1,2-Dichlorobenzene	0.826	0.729	0.764	0.827	0.807	0.791		5.43
88)	1,2-Dibromo-3-Ch...	0.110	0.104	0.109	0.115	0.115	0.111		4.30
89)	1,2,4-Trichlorob...	0.464	0.396	0.411	0.452	0.443	0.433		6.62
90)	Hexachlorobutadiene	0.190	0.160	0.174	0.187	0.186	0.179		7.11
91) M	Naphthalene	1.428	1.300	1.365	1.518	1.468	1.416		6.05
92)	1,2,3-Trichlorob...	0.464	0.396	0.411	0.452	0.443	0.433		6.62

(#) = Out of Range