

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X081324W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue Aug 13 13:22:56 2024
 Response Via : Initial Calibration

Calibration Files

5 =VX043005.D 20 =VX043006.D 50 =VX043007.D 100 =VX043008.D 150 =VX043009.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.610	1.638	1.692	1.744	1.865	1.710	5.89
3) M	Chloromethane	2.589	2.426	2.510	2.598	2.736	2.572	4.47
4) M	Vinyl Chloride	2.294	2.257	2.403	2.488	2.625	2.414	6.19
5) M	Bromomethane	0.643	0.557	0.610	0.654	0.677	0.628	7.37
6) M	Chloroethane	0.683	0.598	0.634	0.623	0.648	0.637	4.95
7) M	Trichlorofluorom...	2.265	2.249	2.263	2.230	2.294	2.260	1.05
8) T	Diethyl Ether	1.092	1.032	1.078	1.062	1.103	1.073	2.58
9)	1,1,2-Trichlorot...	2.002	1.898	1.972	2.008	2.118	2.000	3.96
10) M	1,1-Dichloroethene	2.002	2.015	2.065	2.044	2.211	2.067	4.05
11)	Methyl Iodide	2.049	2.150	2.381	2.439	2.435	2.291	7.86
12)	Methyl Acetate	3.532	3.663	3.791	3.786	3.901	3.735	3.78
13) M	Acrolein	0.636	0.558	0.618	0.614	0.645	0.614	5.51
14) M	Acrylonitrile	1.371	1.363	1.448	1.450	1.484	1.423	3.72
15) M	Acetone	0.400	0.411	0.386	0.376	0.406	0.396	3.67
16) M	Carbon Disulfide	6.086	5.694	6.055	6.224	6.493	6.110	4.75
17)	Allyl chloride	4.114	4.092	4.139	3.955	4.023	4.065	1.85
18) M	Methylene Chloride	2.295	2.336	2.391	2.413	2.533	2.394	3.78
19) M	trans-1,2-Dichlo...	2.143	2.015	2.183	2.214	2.302	2.172	4.85
20) T	Diisopropyl ether	7.784	7.816	8.155	7.905	8.061	7.944	2.01
21) M	1,1-Dichloroethane	4.188	4.013	4.240	4.278	4.508	4.245	4.20
22) M	cis-1,2-Dichloro...	2.373	2.496	2.645	2.672	2.823	2.602	6.64
23) M	tert-Butyl Alcohol	0.553	0.608	0.629	0.630	0.667	0.617	6.79
24) M	Methyl tert-Buty...	7.008	6.903	7.358	7.430	7.785	7.297	4.84
25) M	Chloroform	3.654	3.694	4.002	4.080	4.319	3.950	7.03
26)	Cyclohexane	3.835	3.642	3.876	3.958	4.185	3.899	5.06
27) s	1,2-Dichloroetha...	2.304	2.373	2.486	2.467	2.512	2.428	3.59
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.454	0.438	0.446	0.478	0.491	0.461	4.82
30) M	2-Butanone	0.335	0.324	0.325	0.332	0.333	0.330	1.49
31)	2,2-Dichloropropane	0.594	0.550	0.553	0.579	0.584	0.572	3.43
32) M	1,1,1-Trichloroe...	0.558	0.527	0.539	0.566	0.587	0.555	4.19
33) M	Carbon Tetrachlo...	0.443	0.427	0.448	0.470	0.484	0.454	4.98
34) M	Benzene	1.550	1.459	1.492	1.557	1.579	1.527	3.28
35)	Methacrylonitrile	0.329	0.332	0.335	0.353	0.370	0.344	5.02
36) M	1,2-Dichloroethane	0.456	0.447	0.461	0.489	0.503	0.471	5.05
37) M	Trichloroethene	0.342	0.328	0.335	0.352	0.360	0.344	3.71
38)	Methylcyclohexane	0.627	0.602	0.616	0.648	0.667	0.632	4.07
39) M	1,2-Dichloropropane	0.369	0.365	0.365	0.393	0.401	0.379	4.48
40)	Dibromomethane	0.256	0.242	0.250	0.259	0.266	0.255	3.52
41) M	Bromodichloromet...	0.509	0.481	0.495	0.523	0.533	0.508	4.16
42) M	Vinyl Acetate	1.550	1.505	1.526	1.479	1.435	1.499	2.95
43)	Ethyl Acetate	0.637	0.581	0.618	0.657	0.662	0.631	5.17
44)	Isopropyl Acetate	0.979	1.002	1.013	1.064	1.081	1.028	4.18
45) T	1,4-Dioxane	0.010	0.010	0.010	0.010	0.010	0.010	2.48
46)	Methyl methacrylate	0.492	0.456	0.474	0.498	0.509	0.486	4.31
47)	n-amyl Acetate	0.880	0.860	0.903	0.952	0.943	0.908	4.37
48) M	t-1,3-Dichloropr...	0.538	0.538	0.552	0.591	0.602	0.564	5.35
49) T	cis-1,3-Dichloro...	0.605	0.589	0.603	0.635	0.645	0.616	3.84
50) M	1,1,2-Trichloroe...	0.359	0.337	0.344	0.357	0.358	0.351	2.86
51)	Ethyl methacrylate	0.658	0.644	0.650	0.690	0.690	0.666	3.31
52)	1,3-Dichloropropane	0.626	0.595	0.599	0.628	0.629	0.616	2.73
53) M	Dibromochloromet...	0.381	0.361	0.371	0.396	0.396	0.381	4.07
54) M	1,2-Dibromoethane	0.372	0.351	0.358	0.369	0.371	0.364	2.56
55) M	2-Chloroethyl vi...	0.317	0.304	0.307	0.305	0.293	0.305	2.78
56) M	Bromoform	0.266	0.251	0.258	0.278	0.277	0.266	4.38

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.721	0.696	0.690	0.692	0.671	0.694	2.58
59) M	2-Hexanone	0.558	0.547	0.538	0.543	0.522	0.542	2.46
60) S	4-Bromofluoroben...	0.492	0.496	0.508	0.534	0.517	0.509	3.32
61) M	Tetrachloroethene	0.335	0.307	0.314	0.313	0.313	0.316	3.33
62) M	Toluene	1.754	1.680	1.676	1.735	1.724	1.714	2.01
63) S	Toluene-d8	1.362	1.401	1.375	1.382	1.370	1.378	1.07
64) M	Chlorobenzene	1.057	1.024	1.029	1.071	1.073	1.051	2.20
65)	1,1,1,2-Tetrachl...	0.365	0.342	0.350	0.366	0.362	0.357	2.95
66) M	Ethyl Benzene	1.890	1.822	1.822	1.892	1.885	1.862	1.98
67) M	m/p-Xylenes	0.732	0.687	0.682	0.701	0.680	0.696	3.09
68) M	o-Xylene	0.745	0.688	0.692	0.707	0.691	0.704	3.36
69) M	Styrene	1.176	1.148	1.175	1.201	1.170	1.174	1.61
70)	Isopropylbenzene	1.789	1.708	1.738	1.774	1.729	1.748	1.90
71) M	1,1,2,2-Tetrachl...	0.658	0.629	0.634	0.661	0.655	0.647	2.30
72)	1,2,3-Trichlorop...	0.616	0.515	0.534	0.558	0.548	0.554	6.88
73)	Bromobenzene	0.406	0.386	0.390	0.417	0.407	0.401	3.17
74)	n-propylbenzene	2.016	1.975	2.070	2.152	2.099	2.062	3.37
75)	2-Chlorotoluene	1.292	1.230	1.259	1.305	1.292	1.276	2.41
76)	1,3,5-Trimethylb...	1.475	1.406	1.404	1.443	1.399	1.425	2.30
77)	t-1,4-Dichloro-2...	0.257	0.244	0.249	0.271	0.272	0.259	4.93
78)	4-Chlorotoluene	1.370	1.336	1.387	1.437	1.395	1.385	2.66
79)	tert-butylbenzene	1.500	1.420	1.429	1.474	1.435	1.452	2.34
80)	1,2,4-Trimethylb...	1.476	1.410	1.430	1.489	1.461	1.453	2.26
81)	sec-Butylbenzene	1.865	1.747	1.806	1.897	1.854	1.834	3.20
82)	p-Isopropyltoluene	1.466	1.423	1.470	1.548	1.513	1.484	3.24
83) M	1,3-Dichlorobenzene	0.722	0.695	0.730	0.779	0.771	0.740	4.74
84) M	1,4-Dichlorobenzene	0.742	0.699	0.723	0.769	0.770	0.741	4.11
85)	n-Butylbenzene	1.234	1.228	1.326	1.425	1.394	1.321	6.81
86) T	Hexachloroethane	0.307	0.292	0.303	0.325	0.325	0.310	4.71
87) M	1,2-Dichlorobenzene	0.754	0.712	0.726	0.752	0.734	0.736	2.46
88)	1,2-Dibromo-3-Ch...	0.146	0.139	0.145	0.160	0.163	0.151	7.04
89)	1,2,4-Trichlorob...	0.394	0.395	0.428	0.475	0.484	0.435	9.82
90)	Hexachlorobutadiene	0.160	0.149	0.157	0.173	0.172	0.162	6.39
91) M	Naphthalene	1.585	1.600	1.677	1.819	1.822	1.701	6.74
92)	1,2,3-Trichlorob...	0.411	0.409	0.439	0.480	0.480	0.444	7.94

(#) = Out of Range