

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X032823W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue Mar 28 09:11:00 2023
 Response Via : Initial Calibration

Calibration Files

5 =VX034764.D 20 =VX034766.D 50 =VX034767.D 100 =VX034768.D 150 =VX034769.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	2.735	2.654	3.043	2.946	2.849	2.845	5.51
3) M	Chloromethane	3.864	3.719	3.864	3.617	3.383	3.689	5.44
4) M	Vinyl Chloride	3.798	3.523	3.826	3.620	3.433	3.640	4.69
5) M	Bromomethane	2.663	2.378	2.425	2.317	2.190	2.394	7.28
6) M	Chloroethane	2.608	2.273	2.444	2.369	2.150	2.369	7.32
7) M	Trichlorofluorom...	6.275	5.436	6.113	5.761	5.407	5.798	6.74
8) T	Diethyl Ether	2.272	2.054	2.151	2.042	1.919	2.087	6.32
9)	1,1,2-Trichlorot...	3.124	2.701	3.013	2.969	2.901	2.942	5.34
10) M	1,1-Dichloroethene	3.168	2.785	3.073	2.971	2.892	2.978	5.04
11)	Methyl Iodide	3.404	3.494	3.992	4.062	4.008	3.792	8.33
12)	Methyl Acetate	6.890	6.415	6.811	6.588	6.269	6.594	3.95
13) M	Acrolein	0.778	0.762	0.784	0.762	0.738	0.765	2.33
14) M	Acrylonitrile	1.863	1.786	1.875	1.839	1.716	1.816	3.61
15) M	Acetone	0.521	0.483	0.510	0.491	0.460	0.493	4.81
16) M	Carbon Disulfide	7.149	6.826	7.992	8.088	8.027	7.617	7.70
17)	Allyl chloride	5.689	5.401	6.000	5.963	5.758	5.762	4.18
18) M	Methylene Chloride	3.850	3.431	3.519	3.430	3.309	3.508	5.85
19) M	trans-1,2-Dichlo...	3.400	3.039	3.340	3.333	3.180	3.258	4.51
20) T	Diisopropyl ether	1.218	1.152	1.216	1.189	1.127	1.181	E1 3.38
21) M	1,1-Dichloroethane	6.409	6.049	6.522	6.429	6.153	6.312	3.19
22) M	cis-1,2-Dichloro...	3.824	3.615	3.914	3.885	3.738	3.795	3.20
23) M	tert-Butyl Alcohol	0.842	0.800	0.840	0.832	0.770	0.817	3.81
24) M	Methyl tert-Buty...	1.150	1.065	1.123	1.121	1.074	1.107	E1 3.25
25) M	Chloroform	6.567	6.023	6.622	6.581	6.310	6.420	3.95
26)	Cyclohexane	5.770	4.986	5.773	5.711	5.418	5.532	6.11
27) s	1,2-Dichloroetha...	2.861	2.797	3.012	2.892	2.850	2.883	2.78

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.680	0.637	0.700	0.727	0.707	0.690	4.93
30) M	2-Butanone	0.381	0.386	0.385	0.400	0.372	0.385	2.60
31)	2,2-Dichloropropane	0.661	0.652	0.697	0.748	0.740	0.700	6.31
32) M	1,1,1-Trichloroe...	0.761	0.756	0.810	0.864	0.858	0.809	6.34
33) M	Carbon Tetrachlo...	0.579	0.605	0.685	0.735	0.737	0.668	10.96
34) M	Benzene	2.029	1.974	2.006	2.053	1.965	2.005	1.84
35)	Methacrylonitrile	0.406	0.413	0.422	0.437	0.428	0.421	2.88
36) M	1,2-Dichloroethane	0.761	0.758	0.785	0.828	0.799	0.786	3.64
37) M	Trichloroethene	0.495	0.483	0.522	0.533	0.519	0.510	4.05
38)	Methylcyclohexane	0.744	0.699	0.764	0.790	0.772	0.754	4.63
39) M	1,2-Dichloropropane	0.511	0.509	0.527	0.541	0.518	0.521	2.50
40)	Dibromomethane	0.334	0.354	0.362	0.375	0.365	0.358	4.32
41) M	Bromodichloromet...	0.569	0.639	0.686	0.744	0.734	0.674	10.72
42) M	Vinyl Acetate	1.170	1.262	1.279	1.317	1.249	1.255	4.31
43)	Ethyl Acetate	0.681	0.751	0.764	0.782	0.753	0.746	5.16
44)	Isopropyl Acetate	1.157	1.247	1.281	1.340	1.292	1.263	5.40
45) T	1,4-Dioxane	0.012	0.013	0.013	0.013	0.012	0.013	4.62
46)	Methyl methacrylate	0.560	0.594	0.626	0.662	0.636	0.616	6.36
47)	n-amyl Acetate	0.915	1.054	1.156	1.218	1.149	1.098	10.75
48) M	t-1,3-Dichloropr...	0.553	0.671	0.769	0.845	0.837	0.735	16.78
49) T	cis-1,3-Dichloro...	0.693	0.762	0.830	0.886	0.865	0.807	9.78
50) M	1,1,2-Trichloroe...	0.488	0.484	0.502	0.520	0.500	0.499	2.85
51)	Ethyl methacrylate	0.725	0.783	0.826	0.869	0.846	0.810	7.05
52)	1,3-Dichloropropane	0.872	0.867	0.895	0.903	0.869	0.881	1.90
53) M	Dibromochloromet...	0.368	0.455	0.516	0.565	0.564	0.493	16.88
54) M	1,2-Dibromoethane	0.499	0.512	0.545	0.562	0.549	0.534	5.01
55) M	2-Chloroethyl vi...	0.404	0.430	0.443	0.443	0.409	0.426	4.34
56) M	Bromoform	0.237	0.294	0.354	0.408	0.409	0.340	21.99

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.711	0.703	0.695	0.695	0.635	0.688	4.40
59) M	2-Hexanone	0.518	0.524	0.533	0.533	0.482	0.518	4.05
60) S	4-Bromofluoroben...	0.564	0.573	0.614	0.627	0.620	0.599	4.82
61) M	Tetrachloroethene	0.451	0.376	0.403	0.405	0.386	0.404	7.19
62) M	Toluene	2.057	1.900	1.974	1.994	1.883	1.962	3.63
63) S	Toluene-d8	1.042	1.016	1.019	1.014	1.006	1.020	1.32
64) M	Chlorobenzene	1.241	1.160	1.216	1.239	1.184	1.208	2.93
65)	1,1,1,2-Tetrachl...	0.378	0.411	0.446	0.470	0.454	0.432	8.57
66) M	Ethyl Benzene	2.202	2.077	2.250	2.270	2.125	2.185	3.77
67) M	m/p-Xylenes	0.845	0.778	0.848	0.870	0.816	0.831	4.29
68) M	o-Xylene	0.811	0.788	0.833	0.861	0.817	0.822	3.29
69) M	Styrene	1.267	1.273	1.388	1.459	1.389	1.355	6.11
70)	Isopropylbenzene	2.105	1.982	2.187	2.245	2.121	2.128	4.64
71) M	1,1,2,2-Tetrachl...	0.672	0.695	0.718	0.737	0.674	0.699	4.03
72)	1,2,3-Trichlorop...	0.611	0.633	0.604	0.697	0.639	0.637	5.78
73)	Bromobenzene	0.503	0.485	0.515	0.538	0.514	0.511	3.76
74)	n-propylbenzene	2.384	2.291	2.583	2.641	2.485	2.477	5.76
75)	2-Chlorotoluene	1.554	1.429	1.575	1.627	1.536	1.544	4.71
76)	1,3,5-Trimethylb...	1.733	1.662	1.840	1.915	1.805	1.791	5.44
77)	t-1,4-Dichloro-2...	0.128	0.165	0.208	0.241	0.236	0.196	24.70
78)	4-Chlorotoluene	1.726	1.608	1.820	1.907	1.790	1.770	6.31
79)	tert-butylbenzene	1.659	1.574	1.763	1.824	1.728	1.710	5.65
80)	1,2,4-Trimethylb...	1.722	1.644	1.844	1.907	1.783	1.780	5.77
81)	sec-Butylbenzene	2.001	1.885	2.146	2.224	2.101	2.072	6.36
82)	p-Isopropyltoluene	1.627	1.579	1.827	1.916	1.793	1.748	8.07
83) M	1,3-Dichlorobenzene	0.935	0.903	0.989	1.026	0.973	0.965	4.95
84) M	1,4-Dichlorobenzene	0.921	0.896	1.003	1.051	0.974	0.969	6.43
85)	n-Butylbenzene	1.353	1.332	1.584	1.674	1.590	1.507	10.23
86) T	Hexachloroethane	0.211	0.231	0.304	0.347	0.338	0.286	21.71
87) M	1,2-Dichlorobenzene	0.937	0.905	0.961	0.994	0.923	0.944	3.69
88)	1,2-Dibromo-3-Ch...	0.118	0.134	0.165	0.176	0.171	0.153	16.77
89)	1,2,4-Trichlorob...	0.536	0.519	0.587	0.610	0.581	0.566	6.67
90)	Hexachlorobutadiene	0.208	0.199	0.225	0.236	0.225	0.218	6.84
91) M	Naphthalene	1.889	1.934	2.065	2.128	1.991	2.001	4.84
92)	1,2,3-Trichlorob...	0.532	0.535	0.584	0.600	0.580	0.566	5.41

(#) = Out of Range