

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X080321W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue Aug 03 12:05:42 2021
 Response Via : Initial Calibration

Calibration Files

5 =VX023518.D 20 =VX023519.D 50 =VX023520.D 100 =VX023521.D 150 =VX023522.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.758	1.709	1.747	1.906	1.739	1.772	4.35
3) M	Chloromethane	2.048	1.943	1.967	2.119	1.919	1.999	4.13
4) M	Vinyl Chloride	2.035	1.884	1.958	2.147	1.975	2.000	4.91
5) M	Bromomethane	1.291	1.281	1.112	1.169	1.014	1.173	9.96
6) M	Chloroethane	1.263	1.169	1.245	1.349	1.234	1.252	5.16
7) M	Trichlorofluorom...	3.275	3.055	3.165	3.463	3.187	3.229	4.72
8) T	Diethyl Ether	1.164	1.077	1.135	1.239	1.142	1.151	5.11
9)	1,1,2-Trichlorot...	1.899	1.713	1.757	1.913	1.738	1.804	5.24
10) M	1,1-Dichloroethene	1.759	1.621	1.733	1.858	1.720	1.738	4.88
11)	Methyl Iodide	1.956	2.165	2.569	2.874	2.647	2.442	15.28
12)	Methyl Acetate	2.584	2.473	2.545	2.787	2.572	2.592	4.53
13) M	Acrolein	0.369	0.250	0.268	0.282	0.258	0.285	16.89
14) M	Acrylonitrile	1.117	1.100	1.143	1.240	1.134	1.147	4.77
15) M	Acetone	0.349	0.383	0.344	0.349	0.313	0.348	7.14
16) M	Carbon Disulfide	3.986	3.857	4.256	4.818	4.521	4.288	9.13
17)	Allyl chloride	3.154	2.975	3.161	3.512	3.256	3.212	6.11
18) M	Methylene Chloride	2.217	1.919	1.983	2.127	1.975	2.044	6.03
19) M	trans-1,2-Dichlo...	1.892	1.722	1.839	1.997	1.851	1.860	5.34
20) T	Diisopropyl ether	6.254	6.066	6.310	6.913	6.524	6.413	5.04
21) M	1,1-Dichloroethane	3.491	3.260	3.443	3.771	3.500	3.493	5.25
22) M	cis-1,2-Dichloro...	2.126	2.031	2.136	2.350	2.181	2.165	5.41
23) M	tert-Butyl Alcohol	0.510	0.504	0.521	0.551	0.515	0.520	3.54
24) M	Methyl tert-Buty...	5.841	5.728	6.046	6.646	6.223	6.097	5.92
25) M	Chloroform	3.548	3.342	3.544	3.876	3.608	3.583	5.36
26)	Cyclohexane	3.052	2.987	3.149	3.459	3.211	3.172	5.75
27) s	1,2-Dichloroetha...	2.371	2.277	2.263	2.350	2.340	2.320	2.04
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.435	0.436	0.476	0.509	0.480	0.467	6.81
30) M	2-Butanone	0.292	0.322	0.317	0.327	0.307	0.313	4.42
31)	2,2-Dichloropropane	0.511	0.509	0.528	0.564	0.530	0.528	4.17
32) M	1,1,1-Trichloroe...	0.520	0.542	0.573	0.612	0.579	0.565	6.24
33) M	Carbon Tetrachlo...	0.446	0.466	0.495	0.539	0.511	0.492	7.42
34) M	Benzene	1.384	1.374	1.410	1.484	1.391	1.409	3.14
35)	Methacrylonitrile	0.308	0.296	0.311	0.334	0.326	0.315	4.77
36) M	1,2-Dichloroethane	0.536	0.520	0.534	0.566	0.536	0.538	3.13
37) M	Trichloroethene	0.381	0.363	0.384	0.406	0.380	0.383	4.07
38)	Methylcyclohexane	0.575	0.558	0.599	0.640	0.601	0.594	5.21
39) M	1,2-Dichloropropane	0.349	0.356	0.373	0.393	0.372	0.369	4.63
40)	Dibromomethane	0.258	0.253	0.259	0.277	0.261	0.261	3.53
41) M	Bromodichloromet...	0.420	0.441	0.485	0.526	0.501	0.475	9.16
42) M	Vinyl Acetate	0.943	0.993	1.036	1.094	1.034	1.020	5.52
43)	Ethyl Acetate	0.526	0.573	0.589	0.621	0.595	0.581	6.07
44)	Isopropyl Acetate	0.858	0.879	0.922	1.005	0.960	0.925	6.46
45) T	1,4-Dioxane	0.009	0.010	0.010	0.010	0.010	0.010	3.28
46)	Methyl methacrylate	0.394	0.425	0.448	0.493	0.470	0.446	8.63
47)	n-amyl Acetate	0.678	0.740	0.806	0.866	0.844	0.787	9.83
48) M	t-1,3-Dichloropr...	0.464	0.509	0.563	0.627	0.608	0.554	12.29
49) T	cis-1,3-Dichloro...	0.522	0.553	0.596	0.648	0.619	0.588	8.62
50) M	1,1,2-Trichloroe...	0.355	0.359	0.385	0.404	0.385	0.378	5.39
51)	Ethyl methacrylate	0.513	0.545	0.610	0.668	0.642	0.595	10.97
52)	1,3-Dichloropropane	0.586	0.597	0.624	0.666	0.626	0.620	5.01
53) M	Dibromochloromet...	0.309	0.343	0.391	0.435	0.420	0.380	13.91
54) M	1,2-Dibromoethane	0.360	0.380	0.402	0.441	0.414	0.400	7.82
55) M	2-Chloroethyl vi...	0.243	0.283	0.313	0.336	0.312	0.297	11.95
56) M	Bromoform	0.222	0.246	0.275	0.313	0.306	0.272	14.27

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.610	0.654	0.658	0.680	0.632	0.647	4.11
59) M	2-Hexanone	0.481	0.520	0.513	0.516	0.481	0.502	3.84
60) S	4-Bromofluoroben...	0.477	0.479	0.490	0.501	0.510	0.491	2.85
61) M	Tetrachloroethene	0.410	0.402	0.405	0.415	0.383	0.403	3.07
62) M	Toluene	1.642	1.659	1.700	1.788	1.673	1.692	3.39
63) S	Toluene-d8	1.372	1.376	1.346	1.316	1.341	1.350	1.83
64) M	Chlorobenzene	1.043	1.041	1.069	1.139	1.062	1.071	3.72
65)	1,1,1,2-Tetrachl...	0.378	0.375	0.396	0.427	0.406	0.396	5.34
66) M	Ethyl Benzene	1.748	1.792	1.904	2.026	1.895	1.873	5.79
67) M	m/p-Xylenes	0.667	0.699	0.730	0.785	0.741	0.724	6.14
68) M	o-Xylene	0.647	0.684	0.723	0.778	0.739	0.714	7.06
69) M	Styrene	1.044	1.112	1.197	1.290	1.242	1.177	8.43
70)	Isopropylbenzene	1.740	1.780	1.886	2.046	1.935	1.878	6.53
71) M	1,1,2,2-Tetrachl...	0.586	0.595	0.600	0.620	0.602	0.601	2.11
72)	1,2,3-Trichlorop...	0.556	0.572	0.567	0.578	0.550	0.565	2.06
73)	Bromobenzene	0.428	0.438	0.462	0.493	0.465	0.457	5.57
74)	n-propylbenzene	1.978	2.050	2.206	2.385	2.251	2.174	7.47
75)	2-Chlorotoluene	1.223	1.229	1.313	1.397	1.328	1.298	5.64
76)	1,3,5-Trimethylb...	1.432	1.486	1.581	1.685	1.602	1.557	6.40
77)	t-1,4-Dichloro-2...	0.147	0.188	0.212	0.232	0.228	0.202	17.47
78)	4-Chlorotoluene	1.363	1.375	1.478	1.600	1.516	1.466	6.76
79)	tert-butylbenzene	1.393	1.428	1.550	1.642	1.551	1.513	6.70
80)	1,2,4-Trimethylb...	1.432	1.496	1.573	1.652	1.562	1.543	5.39
81)	sec-Butylbenzene	1.764	1.826	1.982	2.113	2.001	1.937	7.27
82)	p-Isopropyltoluene	1.427	1.498	1.631	1.745	1.658	1.592	8.05
83) M	1,3-Dichlorobenzene	0.769	0.781	0.839	0.892	0.859	0.828	6.29
84) M	1,4-Dichlorobenzene	0.756	0.765	0.830	0.884	0.856	0.818	6.83
85)	n-Butylbenzene	1.230	1.295	1.444	1.561	1.512	1.408	10.04
86) T	Hexachloroethane	0.213	0.229	0.267	0.297	0.288	0.259	14.28
87) M	1,2-Dichlorobenzene	0.767	0.766	0.800	0.847	0.814	0.799	4.29
88)	1,2-Dibromo-3-Ch...	0.104	0.115	0.136	0.153	0.152	0.132	16.53
89)	1,2,4-Trichlorob...	0.417	0.446	0.505	0.556	0.546	0.494	12.34
90)	Hexachlorobutadiene	0.208	0.209	0.222	0.240	0.230	0.222	6.24
91) M	Naphthalene	1.342	1.567	1.771	1.936	1.872	1.697	14.32
92)	1,2,3-Trichlorob...	0.414	0.455	0.504	0.562	0.546	0.497	12.45

(#) = Out of Range