

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X031221W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Mar 12 12:55:27 2021
 Response Via : Initial Calibration

Calibration Files

5 =VX021172.D 10 =VX021173.D 20 =VX021174.D 50 =VX021175.D 100 =VX021176.D 200 =VX021177.D

	Compound	5	10	20	50	100	200	Avg	%RSD
1) I	Bromochloromethane	-----ISTD-----							
2) M	Dichlorodifluo...	2.130	1.821	1.827	2.028	2.017	1.992	1.969	6.20
3) M	Chloromethane	2.268	1.860	1.921	2.144	2.073	2.029	2.049	7.24
4) M	Vinyl Chloride	2.232	1.874	1.879	2.121	2.057	2.123	2.048	7.03
5) M	Bromomethane	1.447	1.166	1.157	1.239	1.134	1.152	1.216	9.78
6) M	Chloroethane	1.449	1.154	1.152	1.303	1.258	1.273	1.265	8.70
7) M	Trichlorofluor...	3.538	2.912	2.989	3.273	3.203	3.242	3.193	6.98
8) T	Diethyl Ether	1.130	0.980	1.008	1.131	1.100	1.108	1.076	6.06
9)	1,1,2-Trichlor...	1.930	1.531	1.554	1.747	1.758	1.799	1.720	8.86
10) M	1,1-Dichloroet...	1.812	1.432	1.512	1.744	1.715	1.760	1.663	9.20
11)	Methyl Iodide	2.087	1.710	1.957	2.388	2.432	2.626	2.200	15.53
12)	Methyl Acetate	2.597	2.593	2.698	3.033	2.921	2.998	2.807	7.17
13) M	Acrolein	0.409	0.312	0.305	0.362	0.366	0.378	0.355	11.23
14) M	Acrylonitrile	1.058	0.937	0.995	1.139	1.103	1.100	1.055	7.23
15) M	Acetone	0.310	0.280	0.256	0.291	0.277	0.281	0.283	6.19
16) M	Carbon Disulfide	5.319	4.346	4.458	5.033	5.000	5.137	4.882	7.98
17)	Allyl chloride	3.770	3.254	3.207	3.666	3.621	3.677	3.532	6.77
18) M	Methylene Chlo...	2.185	1.834	1.881	2.105	2.040	2.066	2.018	6.68
19) M	trans-1,2-Dich...	1.980	1.633	1.702	1.906	1.915	1.938	1.846	7.70
20) T	Diisopropyl ether	7.210	5.996	6.398	7.236	7.179	7.247	6.877	7.89
21) M	1,1-Dichloroet...	3.816	3.368	3.415	3.837	3.749	3.815	3.667	5.88
22) M	cis-1,2-Dichlo...	2.217	1.917	1.983	2.268	2.211	2.278	2.146	7.23
23) M	tert-Butyl Alc...	0.540	0.446	0.441	0.475	0.454	0.457	0.469	7.87
24) M	Methyl tert-Bu...	6.349	5.687	5.925	6.730	6.624	6.782	6.349	7.14
25) M	Chloroform	3.998	3.426	3.570	4.034	3.910	3.993	3.822	6.76
26)	Cyclohexane	3.493	2.865	3.015	3.368	3.385	3.411	3.256	7.77
27) s	1,2-Dichloroet...	2.902	2.793	2.724	2.823	2.606	2.720	2.761	3.69
28) I	1,4-Difluorobenzene	-----ISTD-----							
29)	1,1-Dichloropr...	0.510	0.445	0.468	0.513	0.543	0.522	0.500	7.25
30) M	2-Butanone	0.277	0.258	0.266	0.291	0.300	0.285	0.279	5.69
31)	2,2-Dichloropr...	0.570	0.498	0.531	0.573	0.605	0.593	0.561	7.17
32) M	1,1,1-Trichlor...	0.638	0.538	0.571	0.625	0.654	0.635	0.610	7.44
33) M	Carbon Tetrach...	0.534	0.474	0.506	0.549	0.586	0.560	0.535	7.49
34) M	Benzene	1.462	1.279	1.361	1.473	1.539	1.484	1.433	6.63
35)	Methacrylonitrile	0.317	0.275	0.301	0.328	0.350	0.336	0.318	8.41
36) M	1,2-Dichloroet...	0.642	0.567	0.601	0.626	0.651	0.623	0.618	4.91
37) M	Trichloroethene	0.388	0.340	0.353	0.378	0.404	0.390	0.375	6.49
38)	Methylcyclohexane	0.584	0.485	0.524	0.580	0.617	0.602	0.565	8.90
39) M	1,2-Dichloropr...	0.394	0.353	0.369	0.394	0.419	0.403	0.389	6.16
40)	Dibromomethane	0.288	0.247	0.259	0.280	0.293	0.285	0.275	6.62
41) M	Bromodichlorom...	0.589	0.506	0.547	0.588	0.617	0.606	0.575	7.27
42) M	Vinyl Acetate	1.068	0.921	1.000	1.100	1.149	1.108	1.057	7.91
43)	Ethyl Acetate	0.579	0.524	0.525	0.561	0.589	0.567	0.558	4.89
44)	Isopropyl Acetate	0.909	0.819	0.864	0.968	1.024	0.986	0.928	8.43
45) T	1,4-Dioxane	0.009	0.008	0.009	0.009	0.009	0.008	0.009#	4.50
46)	Methyl methacr...	0.501	0.433	0.463	0.523	0.546	0.522	0.498	8.48
47)	n-amyl Acetate	0.739	0.684	0.780	0.864	0.900	0.897	0.811	11.09
48) M	t-1,3-Dichloro...	0.551	0.496	0.543	0.622	0.673	0.664	0.592	12.17
49) T	cis-1,3-Dichlo...	0.624	0.528	0.584	0.656	0.702	0.687	0.630	10.43
50) M	1,1,2-Trichlor...	0.368	0.328	0.345	0.383	0.403	0.380	0.368	7.41
51)	Ethyl methacry...	0.551	0.497	0.552	0.621	0.655	0.623	0.583	10.19
52)	1,3-Dichloropr...	0.643	0.568	0.608	0.662	0.694	0.665	0.640	7.09
53) M	Dibromochlorom...	0.423	0.356	0.396	0.445	0.475	0.456	0.425	10.24
54) M	1,2-Dibromoethane	0.381	0.341	0.367	0.410	0.429	0.407	0.389	8.31
55) M	2-Chloroethyl ...	0.293	0.274	0.296	0.321	0.339	0.317	0.307	7.67
56) M	Bromoform	0.282	0.265	0.277	0.324	0.327	0.327	0.300	9.51

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X031221W.M

		-----ISTD-----							
57) I	Chlorobenzene-d5								
58) M	4-Methyl-2-Pen...	0.599	0.553	0.592	0.636	0.644	0.622	0.607	5.51
59) M	2-Hexanone	0.449	0.423	0.442	0.482	0.479	0.472	0.458	5.16
60) S	4-Bromofluorob...	0.542	0.561	0.557	0.539	0.535	0.558	0.549	2.05
61) M	Tetrachloroethene	0.397	0.357	0.357	0.408	0.405	0.409	0.389	6.44
62) M	Toluene	1.678	1.480	1.577	1.699	1.770	1.773	1.663	6.90
63) S	Toluene-d8	1.368	1.360	1.380	1.328	1.351	1.378	1.361	1.42
64) M	Chlorobenzene	1.043	0.911	0.962	1.066	1.101	1.082	1.028	7.26
65) S	1,1,1,2-Tetrac...	0.395	0.336	0.370	0.404	0.423	0.414	0.390	8.22
66) M	Ethyl Benzene	1.936	1.680	1.792	1.971	2.076	2.020	1.913	7.78
67) M	m/p-Xylenes	0.675	0.611	0.658	0.711	0.750	0.726	0.689	7.40
68) M	o-Xylene	0.666	0.583	0.635	0.701	0.720	0.694	0.667	7.55
69) M	Styrene	1.086	0.996	1.066	1.196	1.226	1.216	1.131	8.38
70) S	Isopropylbenzene	1.838	1.622	1.716	1.899	1.928	1.933	1.823	6.98
71) M	1,1,2,2-Tetrac...	0.587	0.541	0.543	0.593	0.599	0.605	0.578	4.90
72) S	1,2,3-Trichlor...	0.611	0.555	0.572	0.604	0.602	0.588	0.588	3.66
73) S	Bromobenzene	0.408	0.382	0.413	0.456	0.464	0.469	0.432	8.27
74) S	n-propylbenzene	2.101	1.911	2.024	2.278	2.359	2.314	2.164	8.28
75) S	2-Chlorotoluene	1.304	1.181	1.242	1.367	1.367	1.359	1.303	5.95
76) S	1,3,5-Trimethy...	1.527	1.375	1.469	1.616	1.669	1.646	1.550	7.38
77) S	t-1,4-Dichloro...	0.177	0.158	0.174	0.205	0.217	0.228	0.193	14.31
78) S	4-Chlorotoluene	1.512	1.315	1.448	1.580	1.629	1.623	1.518	7.97
79) S	tert-butylbenzene	1.396	1.251	1.361	1.499	1.529	1.580	1.436	8.52
80) S	1,2,4-Trimethy...	1.561	1.347	1.467	1.615	1.676	1.677	1.557	8.33
81) S	sec-Butylbenzene	1.667	1.496	1.649	1.797	1.881	1.891	1.730	8.91
82) S	p-Isopropyltol...	1.500	1.339	1.471	1.676	1.696	1.747	1.572	10.13
83) M	1,3-Dichlorobe...	0.707	0.692	0.743	0.807	0.825	0.866	0.773	9.01
84) M	1,4-Dichlorobe...	0.721	0.682	0.746	0.817	0.819	0.870	0.776	9.12
85) S	n-Butylbenzene	1.365	1.214	1.343	1.546	1.606	1.668	1.457	12.09
86) T	Hexachloroethane	0.277	0.244	0.272	0.299	0.319	0.330	0.290	11.10
87) M	1,2-Dichlorobe...	0.714	0.695	0.722	0.770	0.815	0.830	0.758	7.43
88) S	1,2-Dibromo-3-...	0.133	0.125	0.135	0.149	0.158	0.163	0.144	10.65
89) S	1,2,4-Trichlor...	0.406	0.380	0.446	0.482	0.554	0.592	0.477	17.45
90) S	Hexachlorobuta...	0.205	0.187	0.180	0.226	0.219	0.229	0.208	9.88
91) M	Naphthalene	1.208	1.260	1.405	1.676	1.801	1.897	1.541	18.84
92) S	1,2,3-Trichlor...	0.393	0.370	0.430	0.485	0.529	0.577	0.464	17.41

(#) = Out of Range