

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X100623W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Sat Oct 07 06:30:32 2023
 Response Via : Initial Calibration

Calibration Files

5 =VX038144.D 20 =VX038145.D 50 =VX038146.D 100 =VX038147.D 150 =VX038148.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	3.877	3.755	3.694	3.388	3.337	3.610	6.55
3) M	Chloromethane	4.301	3.716	3.558	3.275	3.029	3.576	13.52
4) M	Vinyl Chloride	4.864	4.419	4.210	3.791	3.658	4.189	11.64
5) M	Bromomethane	5.575	4.541	5.495	5.179	4.550	5.068	9.85
6) M	Chloroethane	4.366	3.471	3.552	3.189	3.249	3.565	13.24
7) M	Trichlorofluorom...	1.022	0.910	0.899	0.823	0.807	0.892	E1 9.60
8) T	Diethyl Ether	3.670	3.397	3.247	2.997	2.960	3.254	9.04
9)	1,1,2-Trichlorot...	3.864	3.504	3.367	3.107	3.195	3.407	8.75
10) M	1,1-Dichloroethene	3.557	3.471	3.328	3.050	3.192	3.320	6.18
11)	Methyl Iodide	5.296	5.105	5.017	4.610	4.707	4.947	5.74
12)	Methyl Acetate	1.502	1.084	1.071	1.000	0.991	1.130	E1 18.80
13) M	Acrolein	0.583	0.744	0.741	0.722	0.751	0.708	10.04
14) M	Acrylonitrile	2.857	2.699	2.703	2.515	2.467	2.648	5.96
15) M	Acetone	0.810	0.716	0.712	0.644	0.643	0.705	9.70
16) M	Carbon Disulfide	8.921	8.778	8.956	8.656	9.042	8.870	1.72
17)	Allyl chloride	5.810	5.490	5.762	5.408	5.423	5.579	3.45
18) M	Methylene Chloride	5.070	4.423	4.207	3.959	3.983	4.328	10.52
19) M	trans-1,2-Dichlo...	4.545	4.148	4.119	3.977	3.997	4.157	5.51
20) T	Diisopropyl ether	1.246	1.249	1.270	1.191	1.164	1.224	E1 3.62
21) M	1,1-Dichloroethane	8.029	7.614	7.592	7.086	6.932	7.451	5.94
22) M	cis-1,2-Dichloro...	5.262	4.910	4.947	4.696	4.665	4.896	4.90
23) M	tert-Butyl Alcohol	1.203	1.153	1.213	1.132	1.118	1.164	3.63
24) M	Methyl tert-Buty...	1.325	1.314	1.318	1.279	1.279	1.303	E1 1.70
25) M	Chloroform	8.853	8.506	8.769	8.214	7.958	8.460	4.44
26)	Cyclohexane	6.655	6.341	6.582	6.049	5.886	6.302	5.27
27) s	1,2-Dichloroetha...	4.332	4.217	4.200	3.934	3.809	4.098	5.31
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.791	0.802	0.827	0.781	0.768	0.794	2.81
30) M	2-Butanone	0.536	0.521	0.531	0.489	0.474	0.510	5.35
31)	2,2-Dichloropropane	0.577	0.572	0.605	0.584	0.593	0.586	2.23
32) M	1,1,1-Trichloroe...	0.915	0.928	0.982	0.952	0.964	0.948	2.85
33) M	Carbon Tetrachlo...	0.741	0.780	0.838	0.823	0.835	0.804	5.20
34) M	Benzene	2.409	2.396	2.430	2.260	2.244	2.348	3.77
35)	Methacrylonitrile	0.453	0.493	0.501	0.477	0.464	0.478	4.09
36) M	1,2-Dichloroethane	0.945	0.934	0.952	0.873	0.850	0.911	5.05
37) M	Trichloroethene	0.634	0.620	0.633	0.604	0.601	0.618	2.55
38)	Methylcyclohexane	0.951	0.927	0.975	0.943	0.932	0.945	2.02
39) M	1,2-Dichloropropane	0.601	0.598	0.615	0.566	0.562	0.589	3.93
40)	Dibromomethane	0.455	0.464	0.478	0.452	0.451	0.460	2.46
41) M	Bromodichloromet...	0.756	0.809	0.866	0.850	0.841	0.824	5.30
42) M	Vinyl Acetate	0.934	1.163	1.225	1.156	1.135	1.123	9.86
43)	Ethyl Acetate	0.896	0.956	0.990	0.910	0.914	0.933	4.18
44)	Isopropyl Acetate	1.263	1.417	1.502	1.428	1.415	1.405	6.20
45) T	1,4-Dioxane	0.018	0.018	0.019	0.017	0.016	0.018	5.66
46)	Methyl methacrylate	0.689	0.689	0.727	0.689	0.670	0.693	3.04
47)	n-amyl Acetate	0.890	1.205	1.404	1.341	1.258	1.220	16.33
48) M	t-1,3-Dichloropr...	0.695	0.786	0.926	0.910	0.921	0.847	12.19
49) T	cis-1,3-Dichloro...	0.823	0.842	0.949	0.934	0.943	0.898	6.72
50) M	1,1,2-Trichloroe...	0.657	0.637	0.681	0.645	0.628	0.649	3.14
51)	Ethyl methacrylate	0.840	0.947	1.052	1.025	0.998	0.972	8.59
52)	1,3-Dichloropropane	1.064	1.064	1.110	1.036	1.006	1.056	3.65
53) M	Dibromochloromet...	0.512	0.603	0.707	0.697	0.697	0.643	13.13
54) M	1,2-Dibromoethane	0.679	0.676	0.763	0.722	0.708	0.710	5.01
55) M	2-Chloroethyl vi...	0.454	0.501	0.497	0.502	0.500	0.491	4.22
56) M	Bromoform	0.374	0.415	0.532	0.544	0.538	0.481	16.66

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X100623W.M

		-----ISTD-----							
57) I	Chlorobenzene-d5								
58) M	4-Methyl-2-Penta...	0.780	0.772	0.774	0.732	0.696	0.751		4.79
59) M	2-Hexanone	0.604	0.627	0.638	0.596	0.553	0.604		5.44
60) S	4-Bromofluoroben...	0.603	0.608	0.649	0.644	0.621	0.625		3.31
61) M	Tetrachloroethene	0.435	0.403	0.412	0.396	0.403	0.410		3.74
62) M	Toluene	2.036	1.997	2.051	1.942	1.967	1.999		2.29
63) S	Toluene-d8	1.194	1.177	1.146	1.138	1.153	1.162		1.99
64) M	Chlorobenzene	1.301	1.238	1.285	1.222	1.214	1.252		3.10
65)	1,1,1,2-Tetrachl...	0.393	0.418	0.464	0.454	0.453	0.436		6.78
66) M	Ethyl Benzene	2.283	2.245	2.353	2.231	2.220	2.267		2.39
67) M	m/p-Xylenes	0.845	0.863	0.917	0.888	0.884	0.879		3.11
68) M	o-Xylene	0.815	0.823	0.901	0.862	0.865	0.853		4.09
69) M	Styrene	1.268	1.376	1.510	1.478	1.457	1.418		6.87
70)	Isopropylbenzene	2.155	2.217	2.368	2.274	2.237	2.250		3.50
71) M	1,1,2,2-Tetrachl...	0.831	0.838	0.883	0.820	0.775	0.829		4.67
72)	1,2,3-Trichlorop...	0.784	0.727	0.803	0.753	0.704	0.754		5.33
73)	Bromobenzene	0.574	0.529	0.582	0.559	0.542	0.557		3.94
74)	n-propylbenzene	2.685	2.684	2.882	2.765	2.656	2.734		3.36
75)	2-Chlorotoluene	1.597	1.595	1.682	1.614	1.545	1.607		3.07
76)	1,3,5-Trimethylb...	1.840	1.909	2.072	2.035	1.975	1.966		4.78
77)	t-1,4-Dichloro-2...	0.134	0.182	0.233	0.241	0.237	0.205		22.74
78)	4-Chlorotoluene	1.845	1.867	2.011	1.958	1.872	1.911		3.69
79)	tert-butylbenzene	1.757	1.782	1.999	1.932	1.869	1.868		5.42
80)	1,2,4-Trimethylb...	1.765	1.909	2.046	1.981	1.898	1.920		5.47
81)	sec-Butylbenzene	2.300	2.405	2.617	2.496	2.399	2.443		4.87
82)	p-Isopropyltoluene	1.852	1.965	2.169	2.094	2.019	2.020		6.02
83) M	1,3-Dichlorobenzene	1.087	1.068	1.134	1.102	1.042	1.087		3.18
84) M	1,4-Dichlorobenzene	1.094	1.083	1.161	1.117	1.077	1.106		3.11
85)	n-Butylbenzene	1.765	1.873	2.046	2.033	1.920	1.927		6.08
86) T	Hexachloroethane	0.278	0.297	0.369	0.365	0.361	0.334		12.86
87) M	1,2-Dichlorobenzene	1.038	1.022	1.105	1.071	1.029	1.053		3.26
88)	1,2-Dibromo-3-Ch...	0.155	0.186	0.216	0.205	0.198	0.192		12.08
89)	1,2,4-Trichlorob...	0.658	0.668	0.709	0.694	0.689	0.684		3.02
90)	Hexachlorobutadiene	0.288	0.260	0.288	0.276	0.263	0.275		4.89
91) M	Naphthalene	2.110	2.276	2.513	2.410	2.399	2.342		6.60
92)	1,2,3-Trichlorob...	0.643	0.642	0.700	0.682	0.679	0.669		3.88

(#) = Out of Range