

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X111022W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Nov 11 05:24:06 2022
 Response Via : Initial Calibration

Calibration Files

5 =VX032746.D 20 =VX032747.D 50 =VX032748.D 100 =VX032749.D 150 =VX032750.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	2.508	2.848	2.652	2.634	2.633	2.655	4.59
3) M	Chloromethane	2.837	2.779	2.510	2.545	2.503	2.635	6.09
4) M	Vinyl Chloride	3.091	3.146	2.889	2.895	2.874	2.979	4.34
5) M	Bromomethane	3.105	2.700	2.457	2.488	2.475	2.645	10.41
6) M	Chloroethane	2.475	2.387	2.275	2.441	2.187	2.353	5.10
7) M	Trichlorofluorom...	6.001	6.003	5.598	5.615	5.497	5.743	4.19
8) T	Diethyl Ether	1.912	1.916	1.803	1.819	1.835	1.857	2.86
9)	1,1,2-Trichlorot...	3.192	3.171	2.980	2.972	2.959	3.055	3.79
10) M	1,1-Dichloroethene	3.057	2.975	2.812	2.845	2.903	2.918	3.39
11)	Methyl Iodide	2.363	2.943	3.245	3.525	3.611	3.138	16.12
12)	Methyl Acetate	4.417	4.466	4.118	4.287	4.328	4.323	3.12
13) M	Acrolein	0.629	0.563	0.552	0.570	0.569	0.576	5.22
14) M	Acrylonitrile	1.622	1.562	1.486	1.542	1.536	1.550	3.18
15) M	Acetone	0.427	0.420	0.384	0.394	0.390	0.403	4.81
16) M	Carbon Disulfide	7.281	7.204	7.023	7.325	7.493	7.265	2.37
17)	Allyl chloride	4.676	4.625	4.502	4.659	4.725	4.637	1.81
18) M	Methylene Chloride	3.901	3.441	3.121	3.164	3.202	3.366	9.62
19) M	trans-1,2-Dichlo...	3.307	3.232	3.098	3.201	3.237	3.215	2.37
20) T	Diisopropyl ether	1.030	1.031	1.027	1.053	1.058	1.040	E1 1.41
21) M	1,1-Dichloroethane	5.897	6.012	5.666	5.791	5.820	5.837	2.20
22) M	cis-1,2-Dichloro...	3.825	3.759	3.677	3.739	3.768	3.754	1.41
23) M	tert-Butyl Alcohol	0.504	0.565	0.531	0.519	0.396	0.503	12.69
24) M	Methyl tert-Buty...	1.057	1.042	1.007	1.057	1.063	1.045	E1 2.18
25) M	Chloroform	6.683	6.488	6.360	6.483	6.538	6.510	1.79
26)	Cyclohexane	5.232	5.116	5.017	5.137	4.987	5.098	1.93
27) s	1,2-Dichloroetha...	2.942	2.916	2.821	2.955	2.836	2.894	2.13
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.675	0.670	0.670	0.654	0.659	0.665	1.32
30) M	2-Butanone	0.323	0.313	0.310	0.304	0.301	0.310	2.71
31)	2,2-Dichloropropane	0.550	0.572	0.571	0.572	0.580	0.569	1.98
32) M	1,1,1-Trichloroe...	0.806	0.839	0.853	0.842	0.844	0.837	2.13
33) M	Carbon Tetrachlo...	0.696	0.729	0.759	0.742	0.749	0.735	3.31
34) M	Benzene	1.907	1.897	1.885	1.837	1.847	1.875	1.67
35)	Methacrylonitrile	0.339	0.350	0.358	0.358	0.353	0.351	2.20
36) M	1,2-Dichloroethane	0.779	0.794	0.787	0.751	0.748	0.772	2.73
37) M	Trichloroethene	0.542	0.530	0.531	0.507	0.511	0.524	2.77
38)	Methylcyclohexane	0.754	0.751	0.758	0.744	0.720	0.745	2.01
39) M	1,2-Dichloropropane	0.490	0.475	0.483	0.464	0.461	0.475	2.59
40)	Dibromomethane	0.371	0.367	0.365	0.355	0.355	0.362	1.95
41) M	Bromodichloromet...	0.645	0.682	0.707	0.704	0.715	0.691	4.08
42) M	Vinyl Acetate	1.129	1.188	1.226	1.211	1.206	1.192	3.18
43)	Ethyl Acetate	0.586	0.642	0.632	0.634	0.626	0.624	3.54
44)	Isopropyl Acetate	0.977	1.033	1.084	1.062	1.073	1.046	4.09
45) T	1,4-Dioxane	0.010	0.010	0.010	0.010	0.010	0.010	3.22
46)	Methyl methacrylate	0.492	0.524	0.548	0.535	0.534	0.526	3.95
47)	n-amyl Acetate	0.795	0.925	1.004	0.977	0.948	0.930	8.73
48) M	t-1,3-Dichloropr...	0.604	0.682	0.741	0.748	0.767	0.708	9.36
49) T	cis-1,3-Dichloro...	0.659	0.731	0.776	0.782	0.792	0.748	7.36
50) M	1,1,2-Trichloroe...	0.491	0.489	0.509	0.499	0.504	0.498	1.68
51)	Ethyl methacrylate	0.667	0.735	0.781	0.761	0.775	0.744	6.24
52)	1,3-Dichloropropane	0.800	0.831	0.824	0.809	0.808	0.814	1.55
53) M	Dibromochloromet...	0.467	0.521	0.569	0.572	0.579	0.542	8.83
54) M	1,2-Dibromoethane	0.506	0.526	0.557	0.550	0.544	0.537	3.82
55) M	2-Chloroethyl vi...	0.347	0.358	0.364	0.363	0.365	0.360	2.03
56) M	Bromoform	0.329	0.367	0.404	0.419	0.421	0.388	10.17

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X111022W.M

		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.589	0.603	0.605	0.573	0.567	0.587	2.92
59) M	2-Hexanone	0.423	0.447	0.452	0.426	0.415	0.432	3.71
60) S	4-Bromofluoroben...	0.557	0.559	0.589	0.583	0.581	0.574	2.58
61) M	Tetrachloroethene	0.460	0.411	0.424	0.398	0.403	0.419	5.87
62) M	Toluene	1.996	1.939	1.975	1.901	1.944	1.951	1.87
63) S	Toluene-d8	1.021	1.003	1.031	1.000	1.007	1.012	1.30
64) M	Chlorobenzene	1.203	1.195	1.239	1.192	1.202	1.206	1.55
65)	1,1,1,2-Tetrachl...	0.428	0.456	0.480	0.458	0.476	0.459	4.51
66) M	Ethyl Benzene	2.178	2.172	2.254	2.159	2.181	2.189	1.71
67) M	m/p-Xylenes	0.829	0.840	0.880	0.847	0.862	0.852	2.30
68) M	o-Xylene	0.813	0.826	0.869	0.829	0.841	0.836	2.51
69) M	Styrene	1.281	1.373	1.450	1.409	1.433	1.389	4.81
70)	Isopropylbenzene	2.181	2.214	2.321	2.223	2.218	2.231	2.36
71) M	1,1,2,2-Tetrachl...	0.690	0.682	0.698	0.662	0.652	0.677	2.86
72)	1,2,3-Trichlorop...	0.589	0.611	0.561	0.597	0.581	0.588	3.15
73)	Bromobenzene	0.528	0.538	0.559	0.537	0.550	0.542	2.22
74)	n-propylbenzene	2.350	2.510	2.678	2.567	2.572	2.535	4.73
75)	2-Chlorotoluene	1.501	1.528	1.587	1.536	1.524	1.535	2.08
76)	1,3,5-Trimethylb...	1.784	1.879	1.971	1.892	1.906	1.886	3.57
77)	t-1,4-Dichloro-2...	0.129	0.167	0.193	0.201	0.206	0.179	17.68
78)	4-Chlorotoluene	1.673	1.749	1.846	1.786	1.787	1.768	3.60
79)	tert-butylbenzene	1.744	1.803	1.896	1.860	1.863	1.833	3.26
80)	1,2,4-Trimethylb...	1.726	1.864	1.947	1.843	1.842	1.844	4.29
81)	sec-Butylbenzene	2.061	2.178	2.335	2.237	2.225	2.207	4.52
82)	p-Isopropyltoluene	1.702	1.840	1.979	1.895	1.884	1.860	5.45
83) M	1,3-Dichlorobenzene	0.939	0.996	1.039	1.001	0.997	0.995	3.59
84) M	1,4-Dichlorobenzene	0.931	0.996	1.051	1.009	1.007	0.999	4.35
85)	n-Butylbenzene	1.394	1.547	1.664	1.641	1.637	1.576	7.06
86) T	Hexachloroethane	0.254	0.288	0.324	0.326	0.335	0.305	11.06
87) M	1,2-Dichlorobenzene	0.978	0.985	1.034	0.978	0.969	0.989	2.60
88)	1,2-Dibromo-3-Ch...	0.125	0.135	0.154	0.151	0.152	0.144	8.82
89)	1,2,4-Trichlorob...	0.562	0.592	0.636	0.616	0.632	0.607	5.07
90)	Hexachlorobutadiene	0.249	0.238	0.253	0.240	0.241	0.244	2.68
91) M	Naphthalene	1.878	2.038	2.161	2.057	2.113	2.049	5.25
92)	1,2,3-Trichlorob...	0.572	0.613	0.637	0.608	0.624	0.611	3.98

(#) = Out of Range