

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X030322W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Mar 04 01:00:22 2022
 Response Via : Initial Calibration

Calibration Files

5 =VX027273.D 20 =VX027274.D 50 =VX027275.D 100 =VX027276.D 150 =VX027277.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.834	1.997	1.982	1.855	1.934	1.920	3.82
3) M	Chloromethane	1.644	1.596	1.506	1.439	1.537	1.544	5.14
4) M	Vinyl Chloride	1.465	1.512	1.495	1.420	1.502	1.479	2.53
5) M	Bromomethane	0.947	0.873	0.756	0.658	0.739	0.795	14.41
6) M	Chloroethane	0.900	0.879	0.894	0.819	0.877	0.874	3.69
7) M	Trichlorofluorom...	2.412	2.548	2.598	2.487	2.602	2.530	3.19
8) T	Diethyl Ether	0.840	0.792	0.814	0.762	0.820	0.806	3.69
9)	1,1,2-Trichlorot...	1.776	1.801	1.797	1.687	1.780	1.768	2.64
10) M	1,1-Dichloroethene	1.722	1.718	1.735	1.668	1.747	1.718	1.76
11)	Methyl Iodide	1.307	1.746	2.228	2.308	2.423	2.002	23.30
12)	Methyl Acetate	2.163	2.238	2.311	2.192	2.272	2.235	2.65
13) M	Acrolein	0.343	0.341	0.374	0.339	0.381	0.356	5.68
14) M	Acrylonitrile	0.995	1.017	1.043	0.983	1.003	1.008	2.31
15) M	Acetone	0.303	0.305	0.296	0.270	0.272	0.289	5.92
16) M	Carbon Disulfide	4.514	4.528	4.592	4.444	4.731	4.562	2.37
17)	Allyl chloride	2.724	2.874	2.933	2.792	2.954	2.855	3.38
18) M	Methylene Chloride	2.121	1.956	1.927	1.813	1.882	1.940	5.92
19) M	trans-1,2-Dichlo...	1.920	1.858	1.891	1.766	1.856	1.858	3.12
20) T	Diisopropyl ether	5.542	5.560	5.605	5.268	5.472	5.489	2.42
21) M	1,1-Dichloroethane	3.145	3.240	3.286	3.125	3.258	3.211	2.23
22) M	cis-1,2-Dichloro...	2.149	2.150	2.162	2.059	2.151	2.134	1.99
23) M	tert-Butyl Alcohol	0.364	0.386	0.420	0.404	0.423	0.399	6.11
24) M	Methyl tert-Buty...	5.444	5.740	5.859	5.561	5.904	5.702	3.43
25) M	Chloroform	3.494	3.458	3.471	3.266	3.422	3.422	2.67
26)	Cyclohexane	2.824	2.884	3.004	2.840	2.904	2.891	2.45
27) s	1,2-Dichloroetha...	2.031	2.063	2.070	2.062	2.160	2.077	2.34

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.454	0.454	0.473	0.447	0.466	0.459	2.26
30) M	2-Butanone	0.265	0.263	0.267	0.247	0.252	0.259	3.34
31)	2,2-Dichloropropane	0.428	0.444	0.476	0.465	0.492	0.461	5.50
32) M	1,1,1-Trichloroe...	0.536	0.548	0.582	0.546	0.574	0.557	3.54
33) M	Carbon Tetrachlo...	0.494	0.495	0.524	0.499	0.529	0.508	3.33
34) M	Benzene	1.350	1.348	1.380	1.294	1.329	1.340	2.35
35)	Methacrylonitrile	0.262	0.274	0.279	0.261	0.277	0.271	3.19
36) M	1,2-Dichloroethane	0.486	0.492	0.503	0.467	0.492	0.488	2.72
37) M	Trichloroethene	0.414	0.393	0.411	0.401	0.405	0.405	2.06
38)	Methylcyclohexane	0.565	0.558	0.586	0.555	0.576	0.568	2.29
39) M	1,2-Dichloropropane	0.324	0.327	0.335	0.320	0.340	0.329	2.49
40)	Dibromomethane	0.250	0.241	0.251	0.239	0.249	0.246	2.32
41) M	Bromodichloromet...	0.452	0.464	0.499	0.466	0.489	0.474	4.10
42) M	Vinyl Acetate	0.820	0.872	0.906	0.855	0.887	0.868	3.77
43)	Ethyl Acetate	0.503	0.480	0.504	0.474	0.492	0.491	2.74
44)	Isopropyl Acetate	0.705	0.742	0.795	0.753	0.791	0.757	4.90
45) T	1,4-Dioxane	0.008	0.009	0.009	0.008	0.009	0.009	4.80
46)	Methyl methacrylate	0.343	0.373	0.393	0.375	0.395	0.376	5.57
47)	n-amyl Acetate	0.528	0.600	0.665	0.647	0.681	0.624	9.86
48) M	t-1,3-Dichloropr...	0.421	0.460	0.516	0.506	0.546	0.490	10.07
49) T	cis-1,3-Dichloro...	0.471	0.527	0.566	0.548	0.578	0.538	7.79
50) M	1,1,2-Trichloroe...	0.358	0.342	0.364	0.335	0.350	0.350	3.31
51)	Ethyl methacrylate	0.496	0.520	0.561	0.540	0.596	0.542	7.05
52)	1,3-Dichloropropane	0.598	0.572	0.604	0.562	0.584	0.584	2.98
53) M	Dibromochloromet...	0.349	0.365	0.397	0.389	0.410	0.382	6.51
54) M	1,2-Dibromoethane	0.362	0.365	0.389	0.386	0.395	0.379	3.86
55) M	2-Chloroethyl vi...	0.247	0.257	0.276	0.262	0.271	0.263	4.35
56) M	Bromoform	0.250	0.251	0.294	0.288	0.313	0.279	10.00

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.546	0.561	0.573	0.510	0.524	0.543	4.78
59) M	2-Hexanone	0.395	0.426	0.435	0.395	0.426	0.415	4.62
60) S	4-Bromofluoroben...	0.479	0.478	0.494	0.486	0.493	0.486	1.56
61) M	Tetrachloroethene	0.451	0.452	0.454	0.416	0.415	0.438	4.57
62) M	Toluene	1.682	1.658	1.713	1.538	1.579	1.634	4.46
63) S	Toluene-d8	1.320	1.411	1.290	1.246	1.290	1.311	4.69
64) M	Chlorobenzene	1.090	1.053	1.064	1.003	1.025	1.047	3.23
65)	1,1,1,2-Tetrachl...	0.399	0.390	0.407	0.389	0.403	0.397	2.07
66) M	Ethyl Benzene	1.854	1.862	1.902	1.760	1.832	1.842	2.85
67) M	m/p-Xylenes	0.729	0.731	0.749	0.693	0.705	0.721	3.06
68) M	o-Xylene	0.707	0.715	0.736	0.677	0.691	0.705	3.22
69) M	Styrene	1.135	1.186	1.224	1.130	1.186	1.172	3.39
70)	Isopropylbenzene	1.888	1.890	1.914	1.748	1.832	1.855	3.59
71) M	1,1,2,2-Tetrachl...	0.540	0.549	0.567	0.514	0.541	0.542	3.56
72)	1,2,3-Trichlorop...	0.518	0.536	0.570	0.502	0.507	0.526	5.24
73)	Bromobenzene	0.460	0.467	0.477	0.437	0.466	0.461	3.25
74)	n-propylbenzene	2.112	2.114	2.175	2.027	2.141	2.114	2.60
75)	2-Chlorotoluene	1.287	1.292	1.315	1.221	1.284	1.280	2.74
76)	1,3,5-Trimethylb...	1.531	1.590	1.615	1.489	1.564	1.558	3.17
77)	t-1,4-Dichloro-2...	0.113	0.142	0.170	0.169	0.186	0.156	18.56
78)	4-Chlorotoluene	1.474	1.464	1.493	1.394	1.459	1.457	2.57
79)	tert-butylbenzene	1.475	1.535	1.554	1.466	1.546	1.515	2.72
80)	1,2,4-Trimethylb...	1.532	1.563	1.600	1.503	1.563	1.552	2.36
81)	sec-Butylbenzene	1.979	1.907	1.964	1.845	1.941	1.927	2.77
82)	p-Isopropyltoluene	1.606	1.677	1.705	1.581	1.674	1.649	3.17
83) M	1,3-Dichlorobenzene	0.883	0.853	0.878	0.831	0.874	0.864	2.52
84) M	1,4-Dichlorobenzene	0.881	0.843	0.886	0.828	0.874	0.862	2.94
85)	n-Butylbenzene	1.271	1.307	1.411	1.324	1.410	1.345	4.70
86) T	Hexachloroethane	0.228	0.242	0.264	0.262	0.285	0.256	8.61
87) M	1,2-Dichlorobenzene	0.852	0.846	0.864	0.790	0.823	0.835	3.50
88)	1,2-Dibromo-3-Ch...	0.108	0.123	0.138	0.132	0.142	0.128	10.46
89)	1,2,4-Trichlorob...	0.533	0.528	0.557	0.555	0.568	0.549	3.07
90)	Hexachlorobutadiene	0.245	0.224	0.230	0.221	0.232	0.230	4.01
91) M	Naphthalene	1.646	1.805	1.941	1.813	1.934	1.828	6.58
92)	1,2,3-Trichlorob...	0.561	0.529	0.558	0.532	0.569	0.550	3.32

(#) = Out of Range