

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X061424W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Sat Jun 15 04:02:59 2024
 Response Via : Initial Calibration

Calibration Files

5 =VX041872.D 20 =VX041873.D 50 =VX041874.D 100 =VX041875.D 150 =VX041876.D

	Compound	5	20	50	100	150	Avg	%RSD
1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.746	1.972	1.944	2.063	1.985	1.942	6.08
3) M	Chloromethane	2.080	2.196	2.170	2.217	2.190	2.171	2.46
4) M	Vinyl Chloride	2.026	2.053	2.126	2.254	2.156	2.123	4.25
5) M	Bromomethane	1.152	1.089	1.116	1.178	1.139	1.135	2.98
6) M	Chloroethane	0.910	0.906	0.926	0.909	0.883	0.907	1.69
7) M	Trichlorofluorom...	2.818	2.703	2.575	2.744	2.527	2.674	4.50
8) T	Diethyl Ether	1.143	1.123	1.129	1.227	1.162	1.157	3.64
9)	1,1,2-Trichlorot...	1.811	1.766	1.766	1.914	1.830	1.818	3.34
10) M	1,1-Dichloroethene	1.774	1.779	1.796	1.943	1.875	1.833	4.01
11)	Methyl Iodide	2.039	2.356	2.481	2.622	2.432	2.386	9.09
12)	Methyl Acetate	2.366	2.323	2.301	2.431	2.267	2.338	2.72
13) M	Acrolein	0.464	0.443	0.458	0.499	0.493	0.471	5.10
14) M	Acrylonitrile	1.032	1.103	1.117	1.174	1.120	1.109	4.58
15) M	Acetone	0.331	0.323	0.306	0.316	0.312	0.317	2.97
16) M	Carbon Disulfide	3.241	3.506	4.005	4.662	4.677	4.018	16.30
17)	Allyl chloride	2.560	2.788	2.831	2.949	2.794	2.784	5.06
18) M	Methylene Chloride	2.233	2.102	2.036	2.123	2.022	2.103	4.00
19) M	trans-1,2-Dichlo...	1.737	1.778	1.813	1.975	1.880	1.837	5.10
20) T	Diisopropyl ether	5.486	5.610	5.697	6.058	5.766	5.723	3.74
21) M	1,1-Dichloroethane	3.162	3.165	3.230	3.479	3.310	3.269	4.03
22) M	cis-1,2-Dichloro...	2.087	2.144	2.213	2.381	2.291	2.223	5.25
23) M	tert-Butyl Alcohol	0.313	0.415	0.416	0.449	0.469	0.412	14.53
24) M	Methyl tert-Buty...	5.336	5.504	5.607	6.087	5.824	5.671	5.15
25) M	Chloroform	3.247	3.262	3.245	3.513	3.346	3.322	3.43
26)	Cyclohexane	2.657	2.739	2.817	3.057	2.927	2.840	5.54
27) s	1,2-Dichloroetha...	2.051	2.025	2.097	2.119	2.034	2.065	1.98
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.379	0.382	0.383	0.405	0.409	0.392	3.56
30) M	2-Butanone	0.245	0.274	0.263	0.267	0.260	0.262	4.01
31)	2,2-Dichloropropane	0.411	0.418	0.420	0.453	0.443	0.429	4.16
32) M	1,1,1-Trichloroe...	0.474	0.487	0.486	0.520	0.515	0.496	4.03
33) M	Carbon Tetrachlo...	0.381	0.421	0.423	0.456	0.459	0.428	7.45
34) M	Benzene	1.302	1.327	1.270	1.323	1.300	1.304	1.76
35)	Methacrylonitrile	0.235	0.264	0.268	0.272	0.275	0.263	6.19
36) M	1,2-Dichloroethane	0.407	0.413	0.398	0.411	0.403	0.406	1.49
37) M	Trichloroethene	0.352	0.347	0.346	0.369	0.366	0.356	3.03
38)	Methylcyclohexane	0.492	0.506	0.509	0.544	0.542	0.519	4.48
39) M	1,2-Dichloropropane	0.298	0.313	0.310	0.320	0.313	0.311	2.54
40)	Dibromomethane	0.229	0.229	0.224	0.235	0.232	0.230	1.76
41) M	Bromodichloromet...	0.366	0.400	0.409	0.441	0.443	0.412	7.75
42) M	Vinyl Acetate	0.799	0.884	0.882	0.917	0.897	0.876	5.13
43)	Ethyl Acetate	0.473	0.487	0.496	0.500	0.496	0.491	2.20
44)	Isopropyl Acetate	0.672	0.731	0.729	0.766	0.775	0.735	5.55
45) T	1,4-Dioxane	0.009	0.009	0.009	0.009	0.009	0.009	3.01
46)	Methyl methacrylate	0.303	0.363	0.362	0.383	0.386	0.359	9.31
47)	n-amyl Acetate	0.538	0.639	0.673	0.715	0.732	0.659	11.66
48) M	t-1,3-Dichloropr...	0.342	0.403	0.425	0.466	0.483	0.424	13.20
49) T	cis-1,3-Dichloro...	0.393	0.466	0.480	0.519	0.520	0.476	10.92
50) M	1,1,2-Trichloroe...	0.331	0.338	0.331	0.335	0.335	0.334	0.91
51)	Ethyl methacrylate	0.462	0.517	0.534	0.570	0.571	0.531	8.49
52)	1,3-Dichloropropane	0.549	0.554	0.537	0.550	0.541	0.546	1.25
53) M	Dibromochloromet...	0.302	0.351	0.371	0.397	0.408	0.366	11.51
54) M	1,2-Dibromoethane	0.332	0.360	0.352	0.356	0.362	0.352	3.42
55) M	2-Chloroethyl vi...	0.221	0.259	0.254	0.253	0.249	0.247	6.20
56) M	Bromoform	0.231	0.278	0.301	0.330	0.351	0.298	15.60

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X061424W.M

		-----ISTD-----							
57) I	Chlorobenzene-d5								
58) M	4-Methyl-2-Penta...	0.506	0.561	0.538	0.550	0.532	0.538		3.87
59) M	2-Hexanone	0.376	0.431	0.421	0.432	0.415	0.415		5.51
60) S	4-Bromofluoroben...	0.444	0.468	0.473	0.468	0.468	0.464		2.49
61) M	Tetrachloroethene	0.382	0.389	0.364	0.382	0.370	0.377		2.73
62) M	Toluene	1.521	1.544	1.474	1.557	1.495	1.518		2.24
63) S	Toluene-d8	1.293	1.322	1.280	1.270	1.252	1.284		2.04
64) M	Chlorobenzene	1.028	1.047	1.008	1.053	1.033	1.034		1.71
65)	1,1,1,2-Tetrachl...	0.323	0.353	0.354	0.378	0.377	0.357		6.27
66) M	Ethyl Benzene	1.580	1.671	1.647	1.718	1.683	1.660		3.10
67) M	m/p-Xylenes	0.626	0.672	0.668	0.693	0.679	0.668		3.73
68) M	o-Xylene	0.626	0.675	0.662	0.689	0.677	0.666		3.65
69) M	Styrene	0.947	1.133	1.131	1.183	1.168	1.112		8.53
70)	Isopropylbenzene	1.569	1.700	1.675	1.735	1.688	1.674		3.74
71) M	1,1,2,2-Tetrachl...	0.558	0.595	0.575	0.592	0.576	0.579		2.62
72)	1,2,3-Trichlorop...	0.481	0.472	0.464	0.473	0.455	0.469		2.09
73)	Bromobenzene	0.469	0.488	0.477	0.507	0.500	0.488		3.17
74)	n-propylbenzene	1.655	1.840	1.853	1.930	1.914	1.838		5.96
75)	2-Chlorotoluene	1.134	1.183	1.159	1.185	1.175	1.167		1.82
76)	1,3,5-Trimethylb...	1.273	1.431	1.395	1.457	1.453	1.402		5.44
77)	t-1,4-Dichloro-2...	0.122	0.157	0.182	0.201	0.206	0.174		19.97
78)	4-Chlorotoluene	1.197	1.293	1.298	1.348	1.348	1.297		4.73
79)	tert-butylbenzene	1.355	1.497	1.491	1.559	1.539	1.488		5.36
80)	1,2,4-Trimethylb...	1.244	1.408	1.415	1.477	1.460	1.401		6.60
81)	sec-Butylbenzene	1.557	1.738	1.740	1.824	1.820	1.736		6.24
82)	p-Isopropyltoluene	1.313	1.509	1.539	1.628	1.617	1.521		8.33
83) M	1,3-Dichlorobenzene	0.814	0.864	0.859	0.905	0.910	0.870		4.51
84) M	1,4-Dichlorobenzene	0.791	0.849	0.857	0.920	0.915	0.866		6.12
85)	n-Butylbenzene	0.922	1.108	1.202	1.314	1.335	1.176		14.38
86) T	Hexachloroethane	0.197	0.233	0.248	0.277	0.288	0.248		14.54
87) M	1,2-Dichlorobenzene	0.817	0.880	0.868	0.924	0.911	0.880		4.76
88)	1,2-Dibromo-3-Ch...	0.096	0.114	0.123	0.133	0.133	0.120		13.14
89)	1,2,4-Trichlorob...	0.493	0.548	0.594	0.674	0.671	0.596		13.20
90)	Hexachlorobutadiene	0.280	0.285	0.286	0.303	0.313	0.294		4.72
91) M	Naphthalene	1.424	1.732	1.838	2.035	1.972	1.800		13.40
92)	1,2,3-Trichlorob...	0.531	0.586	0.609	0.685	0.674	0.617		10.35

(#) = Out of Range