

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X080624W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Wed Aug 07 04:53:59 2024
 Response Via : Initial Calibration

Calibration Files

5 =VX042859.D 20 =VX042860.D 50 =VX042861.D 100 =VX042862.D 150 =VX042863.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.736	1.747	1.663	1.893	1.782	1.764	4.77
3) M	Chloromethane	1.710	1.445	1.521	1.744	1.677	1.619	8.01
4) M	Vinyl Chloride	1.826	1.625	1.638	1.819	1.735	1.729	5.54
5) M	Bromomethane	1.152	1.008	0.963	1.118	1.026	1.054	7.50
6) M	Chloroethane	1.189	1.008	0.983	1.022	0.938	1.028	9.30
7) M	Trichlorofluorom...	3.273	2.927	2.406	2.643	2.534	2.757	12.59
8) T	Diethyl Ether	1.018	1.051	1.041	1.194	1.113	1.083	6.55
9)	1,1,2-Trichlorot...	1.912	1.830	1.778	2.012	1.866	1.879	4.72
10) M	1,1-Dichloroethene	1.935	1.717	1.677	1.833	1.814	1.795	5.67
11)	Methyl Iodide	1.345	1.390	1.605	2.002	1.918	1.652	18.11
12)	Methyl Acetate	2.413	4.304	4.107	4.569	4.230	3.924	21.95
13) M	Acrolein	0.181	0.078	0.095	0.109	0.105	0.113	34.70
14) M	Acrylonitrile	1.052	1.157	1.164	1.324	1.269	1.193	8.90
15) M	Acetone	0.592	0.369	0.313	0.346	0.314	0.387	30.20
16) M	Carbon Disulfide	4.268	3.546	3.347	3.815	3.703	3.736	9.25
17)	Allyl chloride	2.953	3.029	2.761	3.012	2.770	2.905	4.49
18) M	Methylene Chloride	2.104	1.963	1.993	2.197	2.154	2.082	4.86
19) M	trans-1,2-Dichlo...	1.889	1.804	1.727	1.908	1.812	1.828	3.97
20) T	Diisopropyl ether	5.758	6.305	6.246	6.934	6.486	6.346	6.70
21) M	1,1-Dichloroethane	3.384	3.582	3.521	3.946	3.610	3.609	5.76
22) M	cis-1,2-Dichloro...	2.173	2.181	2.264	2.482	2.371	2.294	5.74
23) M	tert-Butyl Alcohol	0.605	0.524	0.498	0.561	0.562	0.550	7.47
24) M	Methyl tert-Buty...	5.944	6.237	6.352	7.124	6.831	6.498	7.29
25) M	Chloroform	3.744	3.787	3.772	4.233	3.987	3.905	5.31
26)	Cyclohexane	3.101	2.671	2.660	2.992	2.809	2.847	6.88
27) s	1,2-Dichloroetha...	2.603	2.735	2.746	2.798	2.969	2.770	4.78
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.407	0.376	0.374	0.405	0.371	0.387	4.67
30) M	2-Butanone	0.327	0.281	0.267	0.284	0.264	0.285	8.82
31)	2,2-Dichloropropane	0.443	0.443	0.444	0.480	0.448	0.452	3.58
32) M	1,1,1-Trichloroe...	0.541	0.518	0.522	0.566	0.529	0.535	3.57
33) M	Carbon Tetrachlo...	0.455	0.447	0.445	0.486	0.455	0.458	3.62
34) M	Benzene	1.298	1.197	1.208	1.293	1.193	1.238	4.27
35)	Methacrylonitrile	0.243	0.268	0.269	0.290	0.275	0.269	6.33
36) M	1,2-Dichloroethane	0.454	0.450	0.449	0.483	0.447	0.457	3.27
37) M	Trichloroethene	0.340	0.304	0.301	0.321	0.301	0.313	5.39
38)	Methylcyclohexane	0.545	0.455	0.451	0.492	0.454	0.479	8.41
39) M	1,2-Dichloropropane	0.318	0.309	0.308	0.334	0.309	0.316	3.45
40)	Dibromomethane	0.239	0.236	0.233	0.251	0.233	0.238	3.18
41) M	Bromodichloromet...	0.465	0.462	0.458	0.505	0.473	0.472	3.97
42) M	Vinyl Acetate	0.860	0.804	0.821	0.876	0.802	0.833	4.01
43)	Ethyl Acetate	0.499	0.462	0.453	0.510	0.465	0.478	5.27
44)	Isopropyl Acetate	0.733	0.761	0.747	0.823	0.779	0.769	4.52
45) T	1,4-Dioxane	0.007	0.008	0.008	0.009	0.009	0.008	9.01
46)	Methyl methacrylate	0.346	0.377	0.379	0.417	0.391	0.382	6.70
47)	n-amyl Acetate	0.605	0.617	0.635	0.724	0.707	0.658	8.23
48) M	t-1,3-Dichloropr...	0.413	0.449	0.433	0.492	0.476	0.453	7.05
49) T	cis-1,3-Dichloro...	0.461	0.485	0.479	0.530	0.497	0.490	5.24
50) M	1,1,2-Trichloroe...	0.318	0.324	0.316	0.345	0.322	0.325	3.54
51)	Ethyl methacrylate	0.485	0.513	0.520	0.584	0.556	0.532	7.28
52)	1,3-Dichloropropane	0.545	0.532	0.520	0.551	0.518	0.533	2.72
53) M	Dibromochloromet...	0.361	0.366	0.368	0.406	0.390	0.378	4.99
54) M	1,2-Dibromoethane	0.331	0.336	0.330	0.357	0.336	0.338	3.23
55) M	2-Chloroethyl vi...	0.200	0.241	0.263	0.267	0.256	0.246	11.16
56) M	Bromoform	0.238	0.260	0.259	0.302	0.296	0.271	9.91

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		-----ISTD-----							
57) I	Chlorobenzene-d5								
58) M	4-Methyl-2-Penta...	0.534	0.578	0.559	0.606	0.548	0.565		4.96
59) M	2-Hexanone	0.465	0.447	0.426	0.467	0.428	0.447		4.36
60) S	4-Bromofluoroben...	0.479	0.487	0.485	0.487	0.509	0.489		2.28
61) M	Tetrachloroethene	0.327	0.298	0.287	0.306	0.271	0.298		6.94
62) M	Toluene	1.560	1.455	1.430	1.529	1.373	1.469		5.13
63) S	Toluene-d8	1.369	1.375	1.367	1.345	1.319	1.355		1.71
64) M	Chlorobenzene	0.959	0.936	0.909	0.996	0.901	0.940		4.11
65)	1,1,1,2-Tetrachl...	0.323	0.338	0.336	0.369	0.341	0.341		5.03
66) M	Ethyl Benzene	1.642	1.620	1.585	1.749	1.570	1.633		4.33
67) M	m/p-Xylenes	0.621	0.611	0.600	0.661	0.594	0.617		4.30
68) M	o-Xylene	0.588	0.605	0.602	0.652	0.597	0.609		4.09
69) M	Styrene	1.006	1.026	1.030	1.139	1.038	1.048		4.99
70)	Isopropylbenzene	1.574	1.598	1.564	1.722	1.551	1.602		4.33
71) M	1,1,2,2-Tetrachl...	0.553	0.575	0.559	0.624	0.579	0.578		4.87
72)	1,2,3-Trichlorop...	0.483	0.452	0.464	0.500	0.461	0.472		4.08
73)	Bromobenzene	0.419	0.393	0.392	0.431	0.400	0.407		4.22
74)	n-propylbenzene	1.853	1.858	1.828	2.008	1.823	1.874		4.08
75)	2-Chlorotoluene	1.142	1.114	1.123	1.224	1.116	1.144		4.05
76)	1,3,5-Trimethylb...	1.343	1.318	1.327	1.467	1.334	1.358		4.55
77)	t-1,4-Dichloro-2...	0.127	0.157	0.169	0.197	0.189	0.168		16.51
78)	4-Chlorotoluene	1.325	1.267	1.273	1.405	1.289	1.312		4.34
79)	tert-butylbenzene	1.338	1.347	1.366	1.521	1.394	1.393		5.35
80)	1,2,4-Trimethylb...	1.250	1.296	1.326	1.477	1.349	1.340		6.38
81)	sec-Butylbenzene	1.668	1.677	1.661	1.841	1.692	1.708		4.41
82)	p-Isopropyltoluene	1.371	1.401	1.385	1.565	1.428	1.430		5.49
83) M	1,3-Dichlorobenzene	0.736	0.728	0.720	0.815	0.747	0.749		5.06
84) M	1,4-Dichlorobenzene	0.764	0.733	0.718	0.803	0.747	0.753		4.36
85)	n-Butylbenzene	1.224	1.256	1.240	1.409	1.314	1.289		5.86
86) T	Hexachloroethane	0.243	0.244	0.249	0.285	0.270	0.258		7.20
87) M	1,2-Dichlorobenzene	0.716	0.718	0.723	0.811	0.763	0.746		5.51
88)	1,2-Dibromo-3-Ch...	0.113	0.122	0.129	0.147	0.142	0.131		10.77
89)	1,2,4-Trichlorob...	0.454	0.465	0.469	0.530	0.510	0.486		6.71
90)	Hexachlorobutadiene	0.211	0.199	0.201	0.226	0.212	0.210		5.11
91) M	Naphthalene	1.389	1.544	1.616	1.846	1.777	1.635		11.19
92)	1,2,3-Trichlorob...	0.450	0.477	0.478	0.535	0.512	0.490		6.80

(#) = Out of Range