

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N090723W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Sep 08 05:09:17 2023
 Response Via : Initial Calibration

Calibration Files

5 =VN079175.D 20 =VN079173.D 50 =VN079172.D 10 =VN079174.D

	Compound	5	20	50	10	Avg	%RSD
1) I	Bromochloromethane	-----ISTD-----					
2) M	Dichlorodifluoro...	1.621	1.562	1.555	1.955	1.673	11.37
3) M	Chloromethane	1.669	1.585	1.587	1.870	1.678	7.99
4) M	Vinyl Chloride	1.820	1.555	1.622	1.643	1.660	6.80
5) M	Bromomethane	1.107	0.922	0.930	1.116	1.019	10.53
6) M	Chloroethane	1.022	0.944	0.918	1.182	1.017	11.68
7) M	Trichlorofluorom...	1.974	1.841	1.950	2.139	1.976	6.23
8) T	Diethyl Ether	0.680	0.713	0.733	0.772	0.725	5.29
9)	1,1,2-Trichlorot...	1.064	1.047	1.085	1.160	1.089	4.59
10) M	1,1-Dichloroethene	0.993	1.050	1.072	1.106	1.055	4.48
11)	Methyl Iodide	1.203	1.270	1.474	1.369	1.329	8.89
12)	Methyl Acetate	2.377	2.301	2.474	2.684	2.459	6.74
13) M	Acrolein	0.224	0.229	0.213	0.230	0.224	3.44
14) M	Acrylonitrile	0.708	0.682	0.730	0.765	0.721	4.91
15) M	Acetone	0.167	0.185	0.210	0.192	0.188	9.42
16) M	Carbon Disulfide	3.068	2.986	3.076	3.341	3.118	4.95
17)	Allyl chloride	1.544	1.718	1.870	1.650	1.696	8.06
18) M	Methylene Chloride	1.388	1.336	1.388	1.549	1.415	6.54
19) M	trans-1,2-Dichlo...	1.169	1.290	1.337	1.485	1.320	9.89
20) T	Diisopropyl ether	3.964	5.916	5.859	4.509	5.062	19.35
21) M	1,1-Dichloroethane	2.444	3.347	3.311	2.760	2.965	14.82
22) M	cis-1,2-Dichloro...	2.193	2.097	2.078	1.891	2.065	6.11
23) M	tert-Butyl Alcohol	0.284	0.256	0.266	0.304	0.278	7.54
24) M	Methyl tert-Buty...	3.875	4.101	4.343	4.339	4.165	5.37
25) M	Chloroform	3.657	3.439	3.337	3.870	3.576	6.63
26)	Cyclohexane	2.511	2.611	2.612	3.023	2.689	8.46
27) s	1,2-Dichloroetha...	2.247	2.174	2.151	2.444	2.254	5.90
28) I	1,4-Difluorobenzene	-----ISTD-----					
29)	1,1-Dichloropropene	0.470	0.452	0.524	0.478	0.481	6.41
30) M	2-Butanone	0.253	0.245	0.286	0.184	0.242	17.59
31)	2,2-Dichloropropane	0.477	0.483	0.569	0.390	0.480	15.28
32) M	1,1,1-Trichloroe...	0.567	0.534	0.602	0.564	0.567	4.92
33) M	Carbon Tetrachlo...	0.473	0.454	0.527	0.493	0.487	6.42
34) M	Benzene	1.502	1.434	1.624	1.553	1.528	5.24
35)	Methacrylonitrile	0.260	0.255	0.292	0.235	0.260	9.19
36) M	1,2-Dichloroethane	0.517	0.457	0.523	0.519	0.504	6.26
37) M	Trichloroethene	0.360	0.324	0.388	0.373	0.361	7.61
38)	Methylcyclohexane	0.452	0.451	0.537	0.483	0.481	8.38
39) M	1,2-Dichloropropane	0.369	0.370	0.422	0.416	0.394	7.25
40)	Dibromomethane	0.264	0.242	0.270	0.265	0.260	4.83
41) M	Bromodichloromet...	0.499	0.486	0.558	0.530	0.518	6.20
42) M	Vinyl Acetate	0.435	0.645	0.761	0.458	0.575	27.07
43)	Ethyl Acetate	0.448	0.486	0.522	0.381	0.459	13.07
44)	Isopropyl Acetate	0.826	0.762	0.877	0.840	0.827	5.79
45) T	1,4-Dioxane	0.008	0.007	0.009	0.009	0.008	7.70
46)	Methyl methacrylate	0.353	0.350	0.411	0.363	0.369	7.72
47)	n-amyl Acetate	0.515	0.522	0.709	0.579	0.581	15.44
48) M	t-1,3-Dichloropr...	0.549	0.516	0.618	0.560	0.561	7.57
49) T	cis-1,3-Dichloro...	0.578	0.531	0.665	0.566	0.585	9.80
50) M	1,1,2-Trichloroe...	0.375	0.345	0.361	0.378	0.365	4.15
51)	Ethyl methacrylate	0.518	0.541	0.643	0.551	0.563	9.72
52)	1,3-Dichloropropane	0.652	0.607	0.621	0.610	0.623	3.30
53) M	Dibromochloromet...	0.396	0.357	0.419	0.357	0.383	8.04
54) M	1,2-Dibromoethane	0.378	0.353	0.400	0.351	0.370	6.29
55) M	2-Chloroethyl vi...	0.203	0.186	0.231	0.180	0.200	11.31
56) M	Bromoform	0.263	0.238	0.302	0.264	0.267	9.93

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		-----ISTD-----					
57) I	Chlorobenzene-d5						
58) M	4-Methyl-2-Penta...	0.560	0.534	0.522	0.586	0.551	5.22
59) M	2-Hexanone	0.408	0.391	0.355	0.392	0.387	5.75
60) S	4-Bromofluoroben...	0.411	0.456	0.462	0.439	0.442	5.19
61) M	Tetrachloroethene	0.358	0.323	0.296	0.329	0.326	7.90
62) M	Toluene	1.793	1.680	1.662	1.852	1.747	5.20
63) S	Toluene-d8	1.407	1.396	1.378	1.427	1.402	1.46
64) M	Chlorobenzene	1.051	0.967	0.982	1.076	1.019	5.16
65)	1,1,1,2-Tetrachl...	0.397	0.370	0.371	0.423	0.390	6.46
66) M	Ethyl Benzene	1.695	1.724	1.794	1.821	1.759	3.35
67) M	m/p-Xylenes	0.618	0.655	0.677	0.698	0.662	5.17
68) M	o-Xylene	0.632	0.575	0.658	0.687	0.638	7.48
69) M	Styrene	0.954	0.948	1.110	1.060	1.018	7.87
70)	Isopropylbenzene	1.574	1.582	1.658	1.674	1.622	3.17
71) M	1,1,2,2-Tetrachl...	0.647	0.577	0.572	0.632	0.607	6.23
72)	1,2,3-Trichlorop...	0.587	0.467	0.459	0.529	0.511	11.75
73)	Bromobenzene	0.403	0.395	0.407	0.416	0.405	2.14
74)	n-propylbenzene	1.719	1.845	1.940	1.889	1.848	5.12
75)	2-Chlorotoluene	1.144	1.168	1.199	1.229	1.185	3.13
76)	1,3,5-Trimethylb...	1.259	1.349	1.384	1.373	1.341	4.23
77)	t-1,4-Dichloro-2...	0.174	0.178	0.188	0.180	0.180	3.44
78)	4-Chlorotoluene	1.039	1.101	1.178	1.158	1.119	5.60
79)	tert-butylbenzene	0.954	1.139	1.162	1.149	1.101	8.96
80)	1,2,4-Trimethylb...	1.112	1.307	1.373	1.332	1.281	9.04
81)	sec-Butylbenzene	1.396	1.526	1.569	1.535	1.506	5.03
82)	p-Isopropyltoluene	1.074	1.220	1.237	1.228	1.190	6.50
83) M	1,3-Dichlorobenzene	0.611	0.650	0.667	0.647	0.644	3.69
84) M	1,4-Dichlorobenzene	0.533	0.617	0.621	0.643	0.604	7.99
85)	n-Butylbenzene	0.785	0.933	1.004	0.904	0.906	10.05
86) T	Hexachloroethane	0.228	0.241	0.240	0.234	0.236	2.52
87) M	1,2-Dichlorobenzene	0.608	0.652	0.638	0.642	0.635	2.94
88)	1,2-Dibromo-3-Ch...	0.097	0.104	0.102	0.107	0.103	4.29
89)	1,2,4-Trichlorob...	0.223	0.261	0.322	0.281	0.272	15.11
90)	Hexachlorobutadiene	0.172	0.153	0.164	0.172	0.165	5.61
91) M	Naphthalene	0.541	0.689	0.929	0.682	0.710	22.68
92)	1,2,3-Trichlorob...	0.223	0.261	0.322	0.281	0.272	15.11

(#) = Out of Range