

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\
 Method File : 624X070920W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Thu Jul 09 12:25:06 2020
 Response Via : Initial Calibration

Calibration Files

5 =VX017298.D 20 =VX017299.D 50 =VX017300.D
 100 =VX017301.D 150 =VX017302.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	1.574	1.253	1.354	1.312	1.064	1.311	14.02
3) M	Chloromethane	1.452	1.314	1.378	1.414	1.428	1.397	3.86
4) M	Vinyl Chloride	1.591	1.315	1.449	1.474	1.369	1.440	7.35
5) M	Bromomethane	1.190	0.982	0.972	0.828	0.826	0.960	15.55
6) M	Chloroethane	1.049	0.900	0.949	0.939	0.922	0.952	6.05
7) M	Trichlorofluorometh	2.861	2.496	2.641	2.578	2.209	2.557	9.27
8) T	Diethyl Ether	1.014	0.853	0.879	0.876	0.914	0.907	7.00
9)	1,1,2-Trichlorotrif	1.613	1.340	1.445	1.428	1.164	1.398	11.72
10) M	1,1-Dichloroethene	1.531	1.269	1.389	1.387	1.317	1.379	7.19
11)	Methyl Iodide	1.140	1.299	1.763	1.904	2.010	1.623	23.58
12)	Methyl Acetate	1.921	1.819	1.935	1.916	2.013	1.921	3.59
13) M	Acrolein	0.211	0.245	0.250	0.257	0.279	0.248	9.87
14) M	Acrylonitrile	0.881	0.815	0.864	0.856	0.917	0.867	4.26
15) M	Acetone	0.224	0.197	0.220	0.219	0.234	0.219	6.27
16) M	Carbon Disulfide	3.667	3.663	3.857	3.887	3.623	3.739	3.28
17)	Allyl chloride	2.795	2.329	2.549	2.553	2.598	2.565	6.46
18) M	Methylene Chloride	2.000	1.579	1.637	1.617	1.657	1.698	10.08
19) M	trans-1,2-Dichloroe	1.728	1.566	1.605	1.612	1.549	1.612	4.34
20) T	Diisopropyl ether	5.467	4.883	5.106	5.074	5.107	5.128	4.12
21) M	1,1-Dichloroethane	3.135	2.707	2.858	2.829	2.842	2.874	5.48
22) M	cis-1,2-Dichloroeth	2.016	1.708	1.794	1.825	1.852	1.839	6.14
23) M	tert-Butyl Alcohol	0.343	0.327	0.358	0.368	0.393	0.358	6.98
24) M	Methyl tert-Butyl E	5.503	4.871	5.271	5.235	5.437	5.263	4.68
25) M	Chloroform	3.276	2.883	3.060	3.029	3.063	3.062	4.59
26)	Cyclohexane	2.334	2.173	2.359	2.357	1.972	2.239	7.51
27) s	1,2-Dichloroethane-	2.195	2.161	2.115	2.108	2.202	2.156	2.01

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.420	0.392	0.434	0.427	0.395	0.414	4.56
30) M	2-Butanone	0.216	0.214	0.233	0.227	0.241	0.226	5.05
31)	2,2-Dichloropropane	0.577	0.486	0.530	0.512	0.486	0.518	7.25
32) M	1,1,1-Trichloroetha	0.565	0.510	0.558	0.542	0.518	0.539	4.44
33) M	Carbon Tetrachlorid	0.536	0.470	0.515	0.504	0.458	0.497	6.47
34) M	Benzene	1.288	1.154	1.259	1.225	1.228	1.231	4.07
35)	Methacrylonitrile	0.250	0.233	0.260	0.251	0.272	0.253	5.70
36) M	1,2-Dichloroethane	0.506	0.455	0.489	0.479	0.495	0.485	3.99
37) M	Trichloroethene	0.399	0.348	0.377	0.368	0.360	0.370	5.15
38)	Methylcyclohexane	0.437	0.415	0.474	0.476	0.377	0.436	9.56
39) M	1,2-Dichloropropane	0.332	0.298	0.326	0.322	0.329	0.322	4.23
40)	Dibromomethane	0.246	0.213	0.233	0.229	0.238	0.232	5.31
41) M	Bromodichloromethan	0.500	0.446	0.490	0.479	0.503	0.484	4.78
42) M	Vinyl Acetate	0.851	0.804	0.897	0.870	0.901	0.865	4.60
43)	Ethyl Acetate	0.419	0.423	0.466	0.448	0.470	0.445	5.26
44)	Isopropyl Acetate	0.719	0.677	0.755	0.747	0.804	0.741	6.33
45) T	1,4-Dioxane	0.007	0.006	0.007	0.007	0.008	0.007#	9.05
46)	Methyl methacrylate	0.323	0.330	0.374	0.373	0.403	0.361	9.27
47)	n-amyl Acetate	0.582	0.566	0.680	0.708	0.742	0.656	11.89
48) M	t-1,3-Dichloroprope	0.535	0.471	0.537	0.548	0.578	0.534	7.30
49) T	cis-1,3-Dichloropro	0.555	0.513	0.568	0.570	0.587	0.559	4.96
50) M	1,1,2-Trichloroetha	0.365	0.316	0.347	0.337	0.352	0.343	5.41
51)	Ethyl methacrylate	0.451	0.439	0.516	0.523	0.572	0.500	10.98
52)	1,3-Dichloropropane	0.567	0.519	0.564	0.558	0.587	0.559	4.46

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	Compound	5	20	50	100	150	Avg	%RSD
53) M	Dibromochloromethan	0.428	0.377	0.419	0.421	0.450	0.419	6.28
54) M	1,2-Dibromoethane	0.373	0.333	0.371	0.371	0.387	0.367	5.43
55) M	2-Chloroethyl vinyl	0.089	0.236	0.280	0.269	0.289	0.233	35.49
56) M	Bromoform	0.330	0.282	0.329	0.338	0.355	0.327	8.23
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.453	0.457	0.491	0.481	0.494	0.475	4.06
59) M	2-Hexanone	0.346	0.344	0.373	0.373	0.376	0.362	4.38
60) S	4-Bromofluorobenzene	0.492	0.509	0.514	0.527	0.516	0.512	2.50
61) M	Tetrachloroethene	0.450	0.372	0.389	0.368	0.332	0.382	11.30
62) M	Toluene	1.513	1.356	1.460	1.418	1.354	1.420	4.82
63) S	Toluene-d8	1.308	1.308	1.278	1.242	1.209	1.269	3.40
64) M	Chlorobenzene	1.015	0.878	0.971	0.945	0.929	0.948	5.36
65)	1,1,1,2-Tetrachloro	0.419	0.353	0.387	0.387	0.390	0.387	5.98
66) M	Ethyl Benzene	1.624	1.480	1.650	1.647	1.591	1.598	4.39
67) M	m/p-Xylenes	0.620	0.579	0.643	0.633	0.612	0.617	3.98
68) M	o-Xylene	0.571	0.530	0.613	0.617	0.602	0.587	6.20
69) M	Styrene	0.985	0.941	1.090	1.104	1.084	1.041	7.02
70)	Isopropylbenzene	1.623	1.498	1.678	1.682	1.567	1.610	4.86
71) M	1,1,2,2-Tetrachloro	0.519	0.473	0.514	0.509	0.510	0.505	3.64
72)	1,2,3-Trichloroprop	0.527	0.475	0.510	0.481	0.485	0.496	4.48
73)	Bromobenzene	0.469	0.419	0.451	0.461	0.461	0.452	4.34
74)	n-propylbenzene	1.900	1.706	1.946	1.960	1.811	1.864	5.69
75)	2-Chlorotoluene	1.170	1.057	1.166	1.173	1.116	1.137	4.44
76)	1,3,5-Trimethylbenz	1.350	1.279	1.440	1.464	1.371	1.381	5.34
77)	t-1,4-Dichloro-2-bu	0.173	0.172	0.196	0.199	0.205	0.189	8.17
78)	4-Chlorotoluene	1.392	1.243	1.392	1.381	1.329	1.347	4.74
79)	tert-butylbenzene	1.296	1.218	1.420	1.444	1.322	1.340	6.93
80)	1,2,4-Trimethylbenz	1.361	1.292	1.470	1.469	1.373	1.393	5.49
81)	sec-Butylbenzene	1.550	1.414	1.607	1.667	1.484	1.544	6.45
82)	p-Isopropyltoluene	1.442	1.337	1.542	1.574	1.408	1.460	6.66
83) M	1,3-Dichlorobenzene	0.879	0.748	0.822	0.818	0.802	0.814	5.77
84) M	1,4-Dichlorobenzene	0.912	0.748	0.841	0.820	0.796	0.823	7.32
85)	n-Butylbenzene	1.240	1.120	1.308	1.323	1.179	1.234	6.94
86) T	Hexachloroethane	0.290	0.255	0.294	0.298	0.276	0.283	6.28
87) M	1,2-Dichlorobenzene	0.830	0.714	0.791	0.783	0.773	0.778	5.42
88)	1,2-Dibromo-3-Chlor	0.117	0.113	0.125	0.126	0.130	0.122	5.72
89)	1,2,4-Trichlorobenz	0.547	0.466	0.525	0.567	0.534	0.528	7.20
90)	Hexachlorobutadiene	0.257	0.195	0.214	0.207	0.186	0.212	12.95
91) M	Naphthalene	1.453	1.439	1.698	1.749	1.752	1.618	9.80
92)	1,2,3-Trichlorobenz	0.544	0.478	0.534	0.540	0.529	0.525	5.12

(#) = Out of Range