

Method Path : Z:\VOASRV\HPCHEM1\MSV0A X\METHOD\
 Method File : 624X101619W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Thu Oct 17 03:05:35 2019
 Response Via : Initial Calibration

Calibration Files

5 =VX013086.D 20 =VX013087.D 50 =VX013088.D
 100 =VX013089.D 150 =VX013090.D

	Compound	5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	1.891	1.969	2.006	2.184	2.063	2.023	5.43
3) M	Chloromethane	1.953	1.889	1.948	2.056	2.080	1.985	4.04
4) M	Vinyl Chloride	1.908	1.835	1.935	2.159	2.065	1.980	6.56
5) M	Bromomethane	0.935	1.077	0.835	0.889	0.892	0.925	9.89
6) M	Chloroethane	1.260	1.238	1.181	1.263	1.146	1.218	4.25
7) M	Trichlorofluorometh	2.888	2.772	2.863	3.103	2.924	2.910	4.18
8) T	Diethyl Ether	1.027	1.050	1.044	1.149	1.085	1.071	4.54
9)	1,1,2-Trichlorotrif	1.896	1.710	1.799	1.948	1.818	1.834	5.00
10) M	1,1-Dichloroethene	1.762	1.705	1.770	1.953	1.833	1.804	5.25
11)	Methyl Iodide	1.614	1.912	2.288	2.665	2.555	2.207	19.96
12)	Methyl Acetate	2.425	2.362	2.512	2.719	2.598	2.523	5.61
13) M	Acrolein	0.294	0.337	0.378	0.412	0.394	0.363	13.16
14) M	Acrylonitrile	0.977	0.995	1.060	1.146	1.088	1.053	6.54
15) M	Acetone	0.311	0.411	0.393	0.392	0.357	0.373	10.69
16) M	Carbon Disulfide	4.630	4.500	4.815	5.328	5.125	4.880	7.03
17)	Allyl chloride	2.866	2.876	3.074	3.339	3.155	3.062	6.49
18) M	Methylene Chloride	2.089	1.963	1.993	2.163	2.057	2.053	3.86
19) M	trans-1,2-Dichloroe	1.866	1.845	1.895	2.077	1.977	1.932	4.94
20) T	Diisopropyl ether	5.633	5.745	5.850	6.284	5.862	5.875	4.19
21) M	1,1-Dichloroethane	3.206	3.258	3.373	3.654	3.449	3.388	5.21
22) M	cis-1,2-Dichloroeth	2.262	2.077	2.178	2.354	2.232	2.220	4.63
23) M	tert-Butyl Alcohol	0.541	0.497	0.513	0.569	0.541	0.532	5.23
24) M	Methyl tert-Butyl E	5.814	5.901	6.132	6.617	6.286	6.150	5.22
25) M	Chloroform	3.444	3.387	3.463	3.726	3.496	3.503	3.74
26)	Cyclohexane	3.066	2.935	2.990	3.296	3.106	3.079	4.50
27) s	1,2-Dichloroethane-	2.253	2.290	2.230	2.360	2.369	2.300	2.72

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.460	0.441	0.461	0.477	0.449	0.458	2.99
30) M	2-Butanone	0.249	0.275	0.281	0.281	0.263	0.270	5.15
31)	2,2-Dichloropropane	0.512	0.516	0.517	0.537	0.506	0.518	2.30
32) M	1,1,1-Trichloroetha	0.522	0.519	0.542	0.566	0.529	0.535	3.61
33) M	Carbon Tetrachlorid	0.432	0.444	0.468	0.489	0.463	0.459	4.85
34) M	Benzene	1.345	1.353	1.368	1.410	1.316	1.359	2.55
35)	Methacrylonitrile	0.253	0.258	0.269	0.275	0.267	0.264	3.38
36) M	1,2-Dichloroethane	0.507	0.486	0.488	0.504	0.471	0.491	2.92
37) M	Trichloroethene	0.361	0.353	0.367	0.379	0.355	0.363	2.87
38)	Methylcyclohexane	0.544	0.534	0.568	0.597	0.557	0.560	4.35
39) M	1,2-Dichloropropane	0.342	0.342	0.344	0.348	0.330	0.341	1.97
40)	Dibromomethane	0.225	0.223	0.236	0.245	0.230	0.232	3.85
41) M	Bromodichloromethan	0.424	0.445	0.467	0.496	0.468	0.460	5.87
42) M	Vinyl Acetate	0.825	0.873	0.908	0.934	0.874	0.883	4.68
43)	Ethyl Acetate	0.487	0.458	0.495	0.508	0.477	0.485	3.86
44)	Isopropyl Acetate	0.707	0.780	0.796	0.834	0.794	0.782	5.93
45) T	1,4-Dioxane	0.008	0.009	0.010	0.011	0.010	0.010#	8.64
46)	Methyl methacrylate	0.355	0.366	0.388	0.410	0.393	0.382	5.73
47)	n-amyl Acetate	0.568	0.617	0.686	0.754	0.706	0.666	11.10
48) M	t-1,3-Dichloroprope	0.441	0.473	0.521	0.568	0.543	0.509	10.12
49) T	cis-1,3-Dichloropro	0.505	0.539	0.577	0.608	0.579	0.562	7.17
50) M	1,1,2-Trichloroetha	0.353	0.339	0.350	0.361	0.345	0.350	2.35
51)	Ethyl methacrylate	0.486	0.519	0.559	0.601	0.585	0.550	8.58
52)	1,3-Dichloropropane	0.574	0.582	0.591	0.608	0.579	0.587	2.27

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	Compound	5	20	50	100	150	Avg	%RSD
53) M	Dibromochloromethan	0.312	0.341	0.368	0.392	0.382	0.359	9.00
54) M	1,2-Dibromoethane	0.359	0.367	0.366	0.382	0.364	0.368	2.38
55) M	2-Chloroethyl vinyl	0.206	0.240	0.254	0.262	0.248	0.242	8.91
56) M	Bromoform	0.194	0.231	0.256	0.287	0.282	0.250	15.50
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.506	0.546	0.559	0.583	0.534	0.546	5.23
59) M	2-Hexanone	0.375	0.431	0.445	0.464	0.415	0.426	7.90
60) S	4-Bromofluorobenzene	0.507	0.522	0.520	0.549	0.527	0.525	2.94
61) M	Tetrachloroethene	0.385	0.404	0.398	0.387	0.338	0.382	6.78
62) M	Toluene	1.605	1.629	1.654	1.712	1.552	1.630	3.64
63) S	Toluene-d8	1.379	1.397	1.369	1.369	1.328	1.369	1.84
64) M	Chlorobenzene	1.018	1.026	1.055	1.084	0.998	1.036	3.24
65)	1,1,1,2-Tetrachloro	0.353	0.377	0.390	0.406	0.377	0.381	5.05
66) M	Ethyl Benzene	1.783	1.812	1.907	1.987	1.816	1.861	4.54
67) M	m/p-Xylenes	0.663	0.690	0.719	0.746	0.683	0.700	4.66
68) M	o-Xylene	0.655	0.670	0.691	0.723	0.669	0.682	3.88
69) M	Styrene	1.068	1.133	1.197	1.281	1.188	1.174	6.75
70)	Isopropylbenzene	1.765	1.768	1.866	1.924	1.781	1.821	3.90
71) M	1,1,2,2-Tetrachloro	0.566	0.583	0.608	0.633	0.573	0.593	4.65
72)	1,2,3-Trichloroprop	0.559	0.467	0.492	0.503	0.443	0.493	8.83
73)	Bromobenzene	0.439	0.415	0.428	0.469	0.420	0.434	4.90
74)	n-propylbenzene	1.846	1.988	2.047	2.217	2.071	2.034	6.61
75)	2-Chlorotoluene	1.191	1.186	1.278	1.346	1.229	1.246	5.37
76)	1,3,5-Trimethylbenz	1.441	1.489	1.586	1.673	1.557	1.549	5.77
77)	t-1,4-Dichloro-2-bu	0.143	0.168	0.199	0.232	0.212	0.191	18.55
78)	4-Chlorotoluene	1.341	1.372	1.469	1.559	1.463	1.441	6.00
79)	tert-butylbenzene	1.317	1.403	1.461	1.617	1.489	1.458	7.61
80)	1,2,4-Trimethylbenz	1.402	1.505	1.580	1.687	1.552	1.545	6.75
81)	sec-Butylbenzene	1.642	1.671	1.752	1.931	1.782	1.756	6.47
82)	p-Isopropyltoluene	1.438	1.493	1.675	1.792	1.607	1.601	8.84
83) M	1,3-Dichlorobenzene	0.721	0.766	0.792	0.863	0.792	0.787	6.56
84) M	1,4-Dichlorobenzene	0.747	0.748	0.798	0.870	0.795	0.792	6.36
85)	n-Butylbenzene	1.196	1.270	1.412	1.510	1.445	1.367	9.50
86) T	Hexachloroethane	0.231	0.257	0.282	0.319	0.298	0.277	12.52
87) M	1,2-Dichlorobenzene	0.765	0.745	0.791	0.828	0.753	0.776	4.34
88)	1,2-Dibromo-3-Chlor	0.113	0.126	0.144	0.154	0.143	0.136	12.21
89)	1,2,4-Trichlorobenz	0.442	0.454	0.498	0.537	0.491	0.484	7.76
90)	Hexachlorobutadiene	0.222	0.209	0.222	0.261	0.235	0.230	8.56
91) M	Naphthalene	1.356	1.571	1.725	1.839	1.746	1.647	11.47
92)	1,2,3-Trichlorobenz	0.444	0.455	0.511	0.529	0.488	0.485	7.37

(#) = Out of Range