

Method Path : Z:\VOASRV\HPCHEM1\MSV0A X\METHOD\
 Method File : 624X050119W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Thu May 02 06:46:57 2019
 Response Via : Initial Calibration

Calibration Files

5 =VX009256.D 20 =VX009251.D 50 =VX009252.D
 100 =VX009253.D 150 =VX009254.D

	Compound	5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	1.527	1.581	1.572	1.620	1.671	1.594	3.41
3) M	Chloromethane	2.150	2.103	2.061	2.120	2.279	2.143	3.87
4) M	Vinyl Chloride	2.105	2.121	2.065	2.163	2.235	2.138	3.02
5) M	Bromomethane	1.581	1.203	1.227	1.326	1.438	1.355	11.57
6) M	Chloroethane	1.427	1.423	1.348	1.356	1.455	1.402	3.37
7) M	Trichlorofluorometh	2.700	2.580	2.554	2.666	2.697	2.640	2.58
8) T	Diethyl Ether	1.260	1.199	1.173	1.231	1.265	1.226	3.23
9)	1,1,2-Trichlorotrif	1.629	1.615	1.587	1.660	1.679	1.634	2.23
10) M	1,1-Dichloroethene	1.620	1.622	1.595	1.665	1.702	1.641	2.58
11)	Methyl Iodide	1.082	1.636	1.891	2.107	2.203	1.784	25.17
12)	Methyl Acetate	3.517	2.964	2.885	3.010	3.078	3.091	8.03
13) M	Acrolein	0.511	0.387	0.384	0.404	0.434	0.424	12.39
14) M	Acrylonitrile	1.379	1.308	1.302	1.339	1.378	1.341	2.74
15) M	Acetone	0.400	0.389	0.374	0.378	0.385	0.385	2.64
16) M	Carbon Disulfide	4.076	4.351	4.352	4.645	4.774	4.440	6.19
17)	Allyl chloride	3.874	3.825	3.839	4.029	4.130	3.939	3.40
18) M	Methylene Chloride	2.064	1.933	1.919	1.969	2.030	1.983	3.15
19) M	trans-1,2-Dichloroe	1.723	1.710	1.722	1.772	1.820	1.750	2.62
20) T	Diisopropyl ether	8.009	7.607	7.496	7.794	7.883	7.758	2.67
21) M	1,1-Dichloroethane	3.870	3.640	3.620	3.779	3.862	3.754	3.17
22) M	cis-1,2-Dichloroeth	2.140	2.061	2.036	2.128	2.173	2.107	2.71
23) M	tert-Butyl Alcohol	0.591	0.533	0.547	0.573	0.592	0.567	4.67
24) M	Methyl tert-Butyl E	6.569	6.182	6.239	6.498	6.620	6.422	3.09
25) M	Chloroform	3.494	3.364	3.316	3.453	3.503	3.426	2.40
26)	Cyclohexane	3.362	3.468	3.417	3.586	3.661	3.499	3.51
27) s	1,2-Dichloroethane-	2.457	2.469	2.423	2.525	2.570	2.489	2.34

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.436	0.436	0.444	0.445	0.440	0.440	1.02
30) M	2-Butanone	0.355	0.341	0.345	0.342	0.341	0.345	1.69
31)	2,2-Dichloropropane	0.488	0.476	0.487	0.489	0.486	0.485	1.14
32) M	1,1,1-Trichloroetha	0.481	0.458	0.481	0.484	0.482	0.477	2.30
33) M	Carbon Tetrachlorid	0.399	0.389	0.399	0.405	0.405	0.399	1.62
34) M	Benzene	1.382	1.351	1.360	1.352	1.340	1.357	1.16
35)	Methacrylonitrile	0.360	0.357	0.365	0.363	0.358	0.361	0.84
36) M	1,2-Dichloroethane	0.520	0.487	0.488	0.489	0.480	0.492	3.16
37) M	Trichloroethene	0.340	0.316	0.324	0.327	0.326	0.327	2.64
38)	Methylcyclohexane	0.543	0.533	0.548	0.551	0.544	0.544	1.31
39) M	1,2-Dichloropropane	0.395	0.379	0.385	0.388	0.385	0.386	1.52
40)	Dibromomethane	0.222	0.216	0.219	0.220	0.220	0.219	0.97
41) M	Bromodichloromethan	0.439	0.433	0.450	0.460	0.459	0.448	2.68
42) M	Vinyl Acetate	1.120	1.130	1.152	1.151	1.136	1.138	1.23
43)	Ethyl Acetate	0.607	0.631	0.623	0.629	0.625	0.623	1.56
44)	Isopropyl Acetate	1.027	0.971	0.999	1.024	1.025	1.009	2.42
45) T	1,4-Dioxane	0.010	0.010	0.010	0.010	0.010	0.010#	2.98
46)	Methyl methacrylate	0.499	0.491	0.502	0.510	0.517	0.504	2.03
47)	n-amyl Acetate	0.864	0.867	0.920	0.944	0.951	0.909	4.58
48) M	t-1,3-Dichloroprope	0.481	0.495	0.532	0.549	0.558	0.523	6.45
49) T	cis-1,3-Dichloropro	0.556	0.551	0.578	0.593	0.592	0.574	3.46
50) M	1,1,2-Trichloroetha	0.346	0.332	0.333	0.334	0.336	0.336	1.73
51)	Ethyl methacrylate	0.607	0.602	0.615	0.631	0.650	0.621	3.18
52)	1,3-Dichloropropane	0.616	0.589	0.589	0.595	0.593	0.596	1.87

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	Compound	5	20	50	100	150	Avg	%RSD
53) M	Dibromochloromethan	0.311	0.319	0.338	0.348	0.357	0.335	5.80
54) M	1,2-Dibromoethane	0.348	0.337	0.345	0.346	0.348	0.345	1.31
55) M	2-Chloroethyl vinyl	0.311	0.339	0.335	0.334	0.336	0.331	3.41
56) M	Bromoform	0.232	0.237	0.254	0.276	0.285	0.257	9.10
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.765	0.734	0.725	0.735	0.730	0.738	2.16
59) M	2-Hexanone	0.593	0.579	0.576	0.582	0.564	0.579	1.80
60) S	4-Bromofluorobenzene	0.497	0.515	0.505	0.511	0.520	0.510	1.75
61) M	Tetrachloroethene	0.357	0.330	0.333	0.323	0.311	0.331	5.03
62) M	Toluene	1.658	1.612	1.586	1.595	1.564	1.603	2.19
63) S	Toluene-d8	1.441	1.450	1.412	1.405	1.403	1.422	1.53
64) M	Chlorobenzene	1.010	0.951	0.944	0.958	0.961	0.965	2.72
65)	1,1,1,2-Tetrachloro	0.360	0.344	0.347	0.356	0.360	0.353	2.06
66) M	Ethyl Benzene	1.819	1.778	1.771	1.788	1.773	1.786	1.11
67) M	m/p-Xylenes	0.653	0.647	0.651	0.656	0.653	0.652	0.51
68) M	o-Xylene	0.662	0.629	0.631	0.642	0.642	0.641	2.01
69) M	Styrene	1.105	1.106	1.118	1.147	1.152	1.125	2.00
70)	Isopropylbenzene	1.781	1.715	1.711	1.705	1.708	1.724	1.85
71) M	1,1,2,2-Tetrachloro	0.648	0.617	0.633	0.634	0.625	0.631	1.87
72)	1,2,3-Trichloroprop	0.559	0.544	0.546	0.548	0.524	0.544	2.34
73)	Bromobenzene	0.434	0.422	0.416	0.428	0.429	0.426	1.68
74)	n-propylbenzene	1.971	1.970	1.991	2.024	2.035	1.998	1.50
75)	2-Chlorotoluene	1.238	1.186	1.177	1.194	1.197	1.198	1.95
76)	1,3,5-Trimethylbenz	1.465	1.440	1.443	1.474	1.480	1.461	1.22
77)	t-1,4-Dichloro-2-bu	0.197	0.201	0.217	0.240	0.243	0.220	9.82
78)	4-Chlorotoluene	1.358	1.328	1.336	1.385	1.400	1.361	2.29
79)	tert-butylbenzene	1.425	1.391	1.389	1.421	1.434	1.412	1.43
80)	1,2,4-Trimethylbenz	1.470	1.438	1.453	1.478	1.480	1.464	1.21
81)	sec-Butylbenzene	1.658	1.648	1.669	1.697	1.715	1.678	1.66
82)	p-Isopropyltoluene	1.487	1.495	1.524	1.560	1.564	1.526	2.33
83) M	1,3-Dichlorobenzene	0.780	0.732	0.742	0.776	0.774	0.761	2.92
84) M	1,4-Dichlorobenzene	0.777	0.721	0.741	0.779	0.772	0.758	3.41
85)	n-Butylbenzene	1.294	1.327	1.396	1.473	1.491	1.396	6.22
86) T	Hexachloroethane	0.239	0.254	0.253	0.275	0.278	0.260	6.38
87) M	1,2-Dichlorobenzene	0.782	0.748	0.752	0.778	0.770	0.766	2.00
88)	1,2-Dibromo-3-Chlor	0.144	0.142	0.152	0.148	0.148	0.147	2.54
89)	1,2,4-Trichlorobenz	0.533	0.512	0.555	0.560	0.569	0.546	4.21
90)	Hexachlorobutadiene	0.264	0.260	0.280	0.282	0.278	0.273	3.78
91) M	Naphthalene	1.764	1.754	1.827	1.783	1.809	1.787	1.71
92)	1,2,3-Trichlorobenz	0.563	0.539	0.559	0.553	0.562	0.555	1.78

(#) = Out of Range