

Method Path : Z:\VOASRV\HPCHEM1\MSV0A X\METHOD\
 Method File : 624X030819W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Mar 08 12:01:36 2019
 Response Via : Initial Calibration

Calibration Files

5 =VX007920.D 20 =VX007921.D 50 =VX007922.D
 100 =VX007923.D 150 =VX007924.D

	Compound	5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	1.925	1.802	1.726	1.737	1.715	1.781	4.91
3) M	Chloromethane	2.414	1.963	1.872	1.865	1.787	1.980	12.65
4) M	Vinyl Chloride	2.397	1.847	1.816	1.880	1.868	1.962	12.45
5) M	Bromomethane	1.252	1.049	0.842	0.867	0.880	0.978	17.77
6) M	Chloroethane	1.470	1.111	1.053	1.075	1.019	1.146	16.11
7) M	Trichlorofluorometh	3.133	2.291	2.216	2.305	2.270	2.443	15.85
8) T	Diethyl Ether	1.292	1.256	1.207	1.281	1.255	1.258	2.58
9)	1,1,2-Trichlorotrif	1.987	1.817	1.760	1.829	1.790	1.837	4.79
10) M	1,1-Dichloroethene	1.802	1.741	1.661	1.761	1.740	1.741	2.94
11)	Methyl Iodide	2.522	2.714	2.707	2.854	2.828	2.725	4.81
12)	Methyl Acetate	3.405	2.646	2.533	2.614	2.568	2.753	13.33
13) M	Acrolein	0.397	0.297	0.287	0.312	0.322	0.323	13.40
14) M	Acrylonitrile	1.231	1.193	1.131	1.157	1.132	1.169	3.67
15) M	Acetone	0.465	0.488	0.417	0.385	0.354	0.422	13.08
16) M	Carbon Disulfide	5.481	5.506	5.287	5.540	5.494	5.462	1.84
17)	Allyl chloride	3.635	3.560	3.447	3.627	3.576	3.569	2.12
18) M	Methylene Chloride	2.253	1.994	1.862	1.924	1.882	1.983	8.03
19) M	trans-1,2-Dichloroe	1.945	1.839	1.762	1.840	1.824	1.842	3.57
20) T	Diisopropyl ether	6.858	6.617	6.262	6.501	6.408	6.529	3.45
21) M	1,1-Dichloroethane	3.789	3.551	3.382	3.555	3.477	3.551	4.25
22) M	cis-1,2-Dichloroeth	2.232	2.105	2.024	2.148	2.114	2.125	3.55
23) M	tert-Butyl Alcohol	0.489	0.492	0.456	0.468	0.452	0.471	3.87
24) M	Methyl tert-Butyl E	6.314	5.962	5.706	6.012	5.932	5.985	3.65
25) M	Chloroform	3.601	3.352	3.179	3.336	3.290	3.352	4.63
26)	Cyclohexane	3.334	3.245	3.175	3.346	3.307	3.281	2.17
27) s	1,2-Dichloroethane-	2.002	1.969	1.920	1.974	1.994	1.972	1.63

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.494	0.480	0.464	0.476	0.464	0.476	2.66
30) M	2-Butanone	0.339	0.352	0.321	0.304	0.288	0.321	8.07
31)	2,2-Dichloropropane	0.442	0.429	0.430	0.453	0.444	0.439	2.32
32) M	1,1,1-Trichloroetha	0.524	0.515	0.503	0.520	0.510	0.514	1.62
33) M	Carbon Tetrachlorid	0.457	0.451	0.449	0.466	0.458	0.456	1.48
34) M	Benzene	1.558	1.480	1.420	1.436	1.395	1.458	4.39
35)	Methacrylonitrile	0.334	0.319	0.307	0.304	0.299	0.313	4.57
36) M	1,2-Dichloroethane	0.526	0.486	0.456	0.458	0.445	0.474	6.88
37) M	Trichloroethene	0.424	0.395	0.384	0.390	0.382	0.395	4.28
38)	Methylcyclohexane	0.619	0.597	0.596	0.613	0.598	0.605	1.76
39) M	1,2-Dichloropropane	0.399	0.384	0.375	0.375	0.368	0.380	3.25
40)	Dibromomethane	0.258	0.242	0.235	0.238	0.233	0.241	4.18
41) M	Bromodichloromethan	0.459	0.453	0.449	0.464	0.454	0.456	1.29
42) M	Vinyl Acetate	1.025	1.082	1.041	1.042	1.002	1.039	2.82
43)	Ethyl Acetate	0.603	0.570	0.549	0.544	0.527	0.559	5.22
44)	Isopropyl Acetate	0.849	0.862	0.849	0.860	0.843	0.853	0.95
45) T	1,4-Dioxane	0.009	0.010	0.009	0.009	0.008	0.009#	4.76
46)	Methyl methacrylate	0.453	0.458	0.449	0.448	0.434	0.448	1.98
47)	n-amyl Acetate	0.727	0.757	0.730	0.726	0.734	0.735	1.71
48) M	t-1,3-Dichloroprope	0.431	0.480	0.499	0.531	0.528	0.494	8.25
49) T	cis-1,3-Dichloropro	0.523	0.549	0.561	0.584	0.578	0.559	4.37
50) M	1,1,2-Trichloroetha	0.409	0.376	0.357	0.353	0.342	0.368	7.11
51)	Ethyl methacrylate	0.553	0.566	0.562	0.558	0.547	0.557	1.36
52)	1,3-Dichloropropane	0.652	0.625	0.594	0.593	0.573	0.607	5.07

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	Compound	5	20	50	100	150	Avg	%RSD
53) M	Dibromochloromethan	0.364	0.377	0.379	0.390	0.381	0.378	2.42
54) M	1,2-Dibromoethane	0.400	0.397	0.379	0.377	0.368	0.384	3.56
55) M	2-Chloroethyl vinyl	0.276	0.254	0.257	0.260	0.250	0.259	3.92
56) M	Bromoform	0.282	0.296	0.307	0.310	0.313	0.302	4.14
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.614	0.661	0.621	0.608	0.585	0.618	4.45
59) M	2-Hexanone	0.491	0.539	0.484	0.470	0.454	0.488	6.59
60) S	4-Bromofluorobenzene	0.473	0.479	0.479	0.479	0.483	0.479	0.73
61) M	Tetrachloroethene	0.488	0.447	0.422	0.424	0.407	0.438	7.19
62) M	Toluene	1.821	1.775	1.703	1.757	1.703	1.752	2.86
63) S	Toluene-d8	1.365	1.373	1.371	1.382	1.373	1.373	0.43
64) M	Chlorobenzene	1.169	1.144	1.084	1.111	1.074	1.116	3.59
65)	1,1,1,2-Tetrachloro	0.392	0.399	0.396	0.412	0.401	0.400	1.92
66) M	Ethyl Benzene	1.916	1.890	1.846	1.907	1.848	1.882	1.74
67) M	m/p-Xylenes	0.730	0.729	0.714	0.730	0.706	0.721	1.54
68) M	o-Xylene	0.709	0.708	0.696	0.703	0.687	0.701	1.34
69) M	Styrene	1.141	1.175	1.149	1.166	1.141	1.154	1.34
70)	Isopropylbenzene	1.931	1.904	1.838	1.871	1.815	1.872	2.51
71) M	1,1,2,2-Tetrachloro	0.653	0.648	0.597	0.599	0.594	0.618	4.78
72)	1,2,3-Trichloroprop	0.604	0.608	0.579	0.572	0.550	0.583	4.08
73)	Bromobenzene	0.520	0.508	0.484	0.493	0.484	0.498	3.17
74)	n-propylbenzene	2.160	2.140	2.087	2.106	2.066	2.112	1.82
75)	2-Chlorotoluene	1.339	1.295	1.237	1.239	1.218	1.266	3.95
76)	1,3,5-Trimethylbenz	1.591	1.580	1.524	1.543	1.519	1.551	2.09
77)	t-1,4-Dichloro-2-bu	0.137	0.172	0.185	0.200	0.206	0.180	15.27
78)	4-Chlorotoluene	1.446	1.460	1.405	1.435	1.410	1.431	1.64
79)	tert-butylbenzene	1.662	1.684	1.654	1.677	1.647	1.665	0.92
80)	1,2,4-Trimethylbenz	1.602	1.599	1.557	1.569	1.546	1.575	1.59
81)	sec-Butylbenzene	1.916	1.867	1.841	1.865	1.836	1.865	1.70
82)	p-Isopropyltoluene	1.662	1.684	1.654	1.677	1.647	1.665	0.92
83) M	1,3-Dichlorobenzene	0.927	0.881	0.864	0.881	0.877	0.886	2.72
84) M	1,4-Dichlorobenzene	0.925	0.894	0.857	0.878	0.878	0.887	2.83
85)	n-Butylbenzene	1.370	1.394	1.415	1.468	1.472	1.424	3.17
86) T	Hexachloroethane	0.252	0.261	0.271	0.284	0.288	0.271	5.63
87) M	1,2-Dichlorobenzene	0.922	0.887	0.849	0.861	0.860	0.876	3.35
88)	1,2-Dibromo-3-Chlor	0.115	0.129	0.124	0.130	0.133	0.126	5.83
89)	1,2,4-Trichlorobenz	0.610	0.630	0.608	0.644	0.655	0.629	3.29
90)	Hexachlorobutadiene	0.358	0.356	0.338	0.341	0.343	0.347	2.58
91) M	Naphthalene	1.642	1.826	1.783	1.883	1.887	1.804	5.57
92)	1,2,3-Trichlorobenz	0.609	0.629	0.609	0.637	0.643	0.626	2.51

(#) = Out of Range