

Method Path : Z:\VOASRV\HPCHEM1\MSV0A_X\METHOD\
 Method File : 624X022120W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Feb 21 11:08:45 2020
 Response Via : Initial Calibration

Calibration Files

5 =VX014983.D 20 =VX014984.D 50 =VX014985.D
 100 =VX014986.D 150 =VX014987.D

	Compound	5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	1.546	1.231	1.319	1.313	1.289	1.340	8.99
3) M	Chloromethane	1.880	1.612	1.708	1.705	1.757	1.732	5.65
4) M	Vinyl Chloride	1.949	1.717	1.887	1.889	1.879	1.864	4.65
5) M	Bromomethane	1.367	1.162	1.244	1.372	1.384	1.306	7.54
6) M	Chloroethane	1.373	1.186	1.234	1.241	1.211	1.249	5.81
7) M	Trichlorofluorometh	2.855	2.531	2.742	2.741	2.698	2.713	4.32
8) T	Diethyl Ether	1.107	1.061	1.182	1.190	1.167	1.141	4.86
9)	1,1,2-Trichlorotrif	1.596	1.478	1.612	1.591	1.567	1.569	3.40
10) M	1,1-Dichloroethene	1.580	1.456	1.598	1.632	1.619	1.577	4.46
11)	Methyl Iodide	1.337	1.639	2.129	2.254	2.222	1.916	21.28
12)	Methyl Acetate	1.900	1.816	2.037	2.048	2.011	1.962	5.14
13) M	Acrolein	0.396	0.357	0.393	0.405	0.401	0.390	4.86
14) M	Acrylonitrile	0.832	0.814	0.925	0.931	0.930	0.886	6.58
15) M	Acetone	0.302	0.323	0.335	0.324	0.302	0.317	4.69
16) M	Carbon Disulfide	4.155	3.821	4.341	4.451	4.434	4.240	6.18
17)	Allyl chloride	2.630	2.504	2.831	2.902	2.850	2.743	6.17
18) M	Methylene Chloride	1.917	1.724	1.811	1.831	1.802	1.817	3.80
19) M	trans-1,2-Dichloroe	1.756	1.610	1.762	1.794	1.739	1.732	4.11
20) T	Diisopropyl ether	5.555	5.332	5.713	5.737	5.676	5.603	2.98
21) M	1,1-Dichloroethane	3.054	2.848	3.145	3.168	3.141	3.071	4.29
22) M	cis-1,2-Dichloroeth	1.897	1.880	2.036	2.057	2.041	1.982	4.34
23) M	tert-Butyl Alcohol	0.331	0.320	0.362	0.369	0.375	0.351	6.87
24) M	Methyl tert-Butyl E	5.107	4.864	5.389	5.473	5.402	5.247	4.87
25) M	Chloroform	3.115	2.916	3.181	3.164	3.110	3.097	3.42
26)	Cyclohexane	2.658	2.559	2.811	2.873	2.824	2.745	4.80
27) s	1,2-Dichloroethane-	2.128	2.102	2.066	2.086	2.048	2.086	1.49

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.415	0.391	0.441	0.438	0.437	0.424	5.07
30) M	2-Butanone	0.228	0.237	0.261	0.253	0.246	0.245	5.33
31)	2,2-Dichloropropane	0.459	0.429	0.482	0.482	0.478	0.466	4.88
32) M	1,1,1-Trichloroetha	0.483	0.442	0.496	0.496	0.492	0.482	4.79
33) M	Carbon Tetrachlorid	0.422	0.387	0.435	0.434	0.431	0.422	4.76
34) M	Benzene	1.296	1.195	1.321	1.304	1.286	1.280	3.87
35)	Methacrylonitrile	0.242	0.224	0.264	0.259	0.259	0.250	6.62
36) M	1,2-Dichloroethane	0.462	0.423	0.472	0.456	0.453	0.453	4.08
37) M	Trichloroethene	0.352	0.327	0.377	0.371	0.370	0.360	5.72
38)	Methylcyclohexane	0.514	0.479	0.547	0.550	0.541	0.526	5.71
39) M	1,2-Dichloropropane	0.330	0.304	0.339	0.339	0.337	0.330	4.51
40)	Dibromomethane	0.219	0.208	0.225	0.224	0.224	0.220	3.33
41) M	Bromodichloromethan	0.400	0.398	0.457	0.460	0.459	0.435	7.55
42) M	Vinyl Acetate	0.802	0.803	0.912	0.905	0.889	0.862	6.43
43)	Ethyl Acetate	0.409	0.414	0.465	0.465	0.462	0.443	6.54
44)	Isopropyl Acetate	0.691	0.680	0.783	0.781	0.789	0.745	7.29
45) T	1,4-Dioxane	0.006	0.006	0.007	0.007	0.007	0.007#	6.41
46)	Methyl methacrylate	0.330	0.331	0.392	0.394	0.396	0.369	9.40
47)	n-amyl Acetate	0.527	0.569	0.692	0.711	0.728	0.645	14.12
48) M	t-1,3-Dichloroprope	0.413	0.431	0.513	0.522	0.532	0.482	11.57
49) T	cis-1,3-Dichloropro	0.472	0.484	0.558	0.570	0.572	0.531	9.27
50) M	1,1,2-Trichloroetha	0.320	0.312	0.338	0.336	0.334	0.328	3.46
51)	Ethyl methacrylate	0.437	0.452	0.539	0.548	0.554	0.506	11.20
52)	1,3-Dichloropropane	0.553	0.520	0.570	0.566	0.565	0.555	3.67

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	Compound	5	20	50	100	150	Avg	%RSD
53) M	Dibromochloromethan	0.309	0.324	0.374	0.380	0.386	0.354	10.09
54) M	1,2-Dibromoethane	0.343	0.321	0.361	0.360	0.356	0.348	4.83
55) M	2-Chloroethyl vinyl	0.267	0.252	0.274	0.280	0.275	0.270	3.96
56) M	Bromoform	0.229	0.249	0.291	0.303	0.317	0.278	13.48
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.460	0.462	0.520	0.507	0.509	0.492	5.78
59) M	2-Hexanone	0.347	0.369	0.410	0.398	0.397	0.384	6.68
60) S	4-Bromofluorobenzene	0.456	0.469	0.471	0.465	0.475	0.467	1.60
61) M	Tetrachloroethene	0.427	0.387	0.415	0.397	0.389	0.403	4.33
62) M	Toluene	1.577	1.452	1.566	1.545	1.543	1.537	3.22
63) S	Toluene-d8	1.330	1.335	1.299	1.279	1.298	1.308	1.81
64) M	Chlorobenzene	0.986	0.917	1.007	0.992	1.002	0.981	3.73
65)	1,1,1,2-Tetrachloro	0.347	0.340	0.375	0.374	0.380	0.363	4.96
66) M	Ethyl Benzene	1.609	1.586	1.769	1.744	1.756	1.693	5.18
67) M	m/p-Xylenes	0.622	0.609	0.681	0.674	0.677	0.653	5.25
68) M	o-Xylene	0.607	0.586	0.656	0.650	0.660	0.632	5.26
69) M	Styrene	0.984	0.987	1.138	1.132	1.152	1.079	7.92
70)	Isopropylbenzene	1.626	1.574	1.750	1.713	1.725	1.678	4.44
71) M	1,1,2,2-Tetrachloro	0.522	0.506	0.557	0.551	0.565	0.540	4.67
72)	1,2,3-Trichloroprop	0.573	0.485	0.472	0.454	0.533	0.503	9.65
73)	Bromobenzene	0.438	0.424	0.469	0.463	0.473	0.453	4.68
74)	n-propylbenzene	1.754	1.784	2.017	1.983	2.010	1.909	6.78
75)	2-Chlorotoluene	1.084	1.068	1.163	1.158	1.168	1.128	4.25
76)	1,3,5-Trimethylbenz	1.292	1.315	1.471	1.459	1.493	1.406	6.73
77)	t-1,4-Dichloro-2-bu	0.138	0.155	0.195	0.203	0.212	0.181	17.87
78)	4-Chlorotoluene	1.216	1.213	1.352	1.360	1.385	1.305	6.42
79)	tert-butylbenzene	1.268	1.252	1.407	1.420	1.445	1.358	6.71
80)	1,2,4-Trimethylbenz	1.289	1.307	1.460	1.453	1.479	1.398	6.56
81)	sec-Butylbenzene	1.506	1.514	1.703	1.685	1.724	1.627	6.59
82)	p-Isopropyltoluene	1.363	1.405	1.586	1.593	1.610	1.511	7.78
83) M	1,3-Dichlorobenzene	0.751	0.725	0.826	0.824	0.847	0.795	6.68
84) M	1,4-Dichlorobenzene	0.760	0.738	0.821	0.834	0.847	0.800	6.00
85)	n-Butylbenzene	1.080	1.173	1.401	1.438	1.484	1.315	13.52
86) T	Hexachloroethane	0.250	0.236	0.282	0.293	0.304	0.273	10.51
87) M	1,2-Dichlorobenzene	0.739	0.729	0.830	0.816	0.839	0.791	6.62
88)	1,2-Dibromo-3-Chlor	0.107	0.106	0.123	0.123	0.128	0.118	8.59
89)	1,2,4-Trichlorobenz	0.485	0.505	0.596	0.614	0.643	0.569	12.24
90)	Hexachlorobutadiene	0.260	0.252	0.294	0.299	0.306	0.282	8.64
91) M	Naphthalene	1.255	1.481	1.738	1.766	1.809	1.610	14.66
92)	1,2,3-Trichlorobenz	0.506	0.509	0.588	0.601	0.618	0.565	9.40

(#) = Out of Range