

Method Path : Z:\VOASRV\HPCHEM1\MSV0A X\METHOD\
 Method File : 624X043020W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Thu Apr 30 12:42:44 2020
 Response Via : Initial Calibration

Calibration Files

5 =VX015987.D 20 =VX015988.D 50 =VX015989.D
 100 =VX015990.D 150 =VX015991.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	1.542	2.093	2.278	2.263	2.157	2.066	14.67
3) M	Chloromethane	1.866	1.996	2.146	2.077	2.038	2.025	5.16
4) M	Vinyl Chloride	2.267	2.217	2.373	2.385	2.259	2.300	3.23
5) M	Bromomethane	1.640	1.518	1.552	1.206	1.135	1.410	15.93
6) M	Chloroethane	1.486	1.461	1.550	1.547	1.497	1.508	2.60
7) M	Trichlorofluorometh	3.204	3.155	3.425	3.423	3.268	3.295	3.78
8) T	Diethyl Ether	1.395	1.222	1.311	1.338	1.311	1.315	4.74
9)	1,1,2-Trichlorotrif	1.804	1.584	1.727	1.735	1.657	1.701	4.94
10) M	1,1-Dichloroethene	1.792	1.616	1.713	1.756	1.706	1.717	3.85
11)	Methyl Iodide	2.044	2.097	2.434	2.575	2.567	2.344	10.92
12)	Methyl Acetate	2.724	2.894	3.115	3.157	3.096	2.997	6.12
13) M	Acrolein	0.253	0.194	0.254	0.246	0.255	0.240	10.82
14) M	Acrylonitrile	1.107	1.023	1.119	1.146	1.141	1.107	4.49
15) M	Acetone	0.303	0.268	0.297	0.300	0.297	0.293	4.85
16) M	Carbon Disulfide	5.582	4.835	5.267	5.298	5.130	5.222	5.20
17)	Allyl chloride	3.227	2.987	3.265	3.265	3.178	3.185	3.65
18) M	Methylene Chloride	2.014	1.785	1.945	1.962	1.910	1.923	4.48
19) M	trans-1,2-Dichloroe	1.915	1.738	1.888	1.952	1.894	1.878	4.36
20) T	Diisopropyl ether	6.224	5.688	6.191	6.393	6.204	6.140	4.32
21) M	1,1-Dichloroethane	3.513	3.199	3.470	3.529	3.409	3.424	3.92
22) M	cis-1,2-Dichloroeth	2.219	1.944	2.152	2.195	2.144	2.131	5.11
23) M	tert-Butyl Alcohol	0.539	0.503	0.549	0.558	0.561	0.542	4.34
24) M	Methyl tert-Butyl E	6.227	5.721	6.244	6.390	6.242	6.165	4.17
25) M	Chloroform	3.614	3.229	3.521	3.559	3.462	3.477	4.30
26)	Cyclohexane	3.167	2.914	3.212	3.252	3.109	3.131	4.23
27) s	1,2-Dichloroethane-	2.359	2.369	2.307	2.255	2.238	2.306	2.56
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.469	0.433	0.481	0.495	0.482	0.472	4.99
30) M	2-Butanone	0.272	0.261	0.286	0.296	0.291	0.281	5.19
31)	2,2-Dichloropropane	0.582	0.531	0.574	0.590	0.562	0.568	4.08
32) M	1,1,1-Trichloroetha	0.571	0.533	0.579	0.600	0.579	0.572	4.28
33) M	Carbon Tetrachlorid	0.510	0.471	0.523	0.531	0.514	0.510	4.55
34) M	Benzene	1.374	1.278	1.404	1.439	1.396	1.378	4.41
35)	Methacrylonitrile	0.296	0.275	0.300	0.309	0.313	0.299	4.97
36) M	1,2-Dichloroethane	0.541	0.491	0.531	0.543	0.526	0.526	3.98
37) M	Trichloroethene	0.544	0.476	0.495	0.482	0.454	0.490	6.86
38)	Methylcyclohexane	0.583	0.527	0.584	0.604	0.585	0.577	5.03
39) M	1,2-Dichloropropane	0.361	0.326	0.358	0.367	0.357	0.354	4.47
40)	Dibromomethane	0.246	0.230	0.247	0.256	0.249	0.246	3.90
41) M	Bromodichloromethan	0.501	0.457	0.514	0.535	0.525	0.506	6.04
42) M	Vinyl Acetate	0.925	0.848	0.943	0.982	0.952	0.930	5.38
43)	Ethyl Acetate	0.550	0.516	0.553	0.584	0.570	0.555	4.64
44)	Isopropyl Acetate	0.879	0.832	0.915	0.943	0.931	0.900	5.01
45) T	1,4-Dioxane	0.010	0.009	0.010	0.010	0.010	0.010#	5.13
46)	Methyl methacrylate	0.403	0.388	0.437	0.454	0.451	0.427	6.89
47)	n-amyl Acetate	0.738	0.706	0.806	0.841	0.844	0.787	7.93
48) M	t-1,3-Dichloroprope	0.563	0.527	0.601	0.628	0.622	0.588	7.25
49) T	cis-1,3-Dichloropro	0.596	0.557	0.616	0.638	0.632	0.608	5.38
50) M	1,1,2-Trichloroetha	0.341	0.316	0.347	0.365	0.363	0.346	5.69
51)	Ethyl methacrylate	0.525	0.505	0.581	0.622	0.625	0.572	9.58
52)	1,3-Dichloropropane	0.599	0.554	0.606	0.623	0.611	0.598	4.41

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	Compound	5	20	50	100	150	Avg	%RSD
53) M	Dibromochloromethan	0.361	0.350	0.405	0.423	0.430	0.394	9.24
54) M	1,2-Dibromoethane	0.375	0.341	0.387	0.398	0.400	0.380	6.31
55) M	2-Chloroethyl vinyl	0.353	0.274	0.300	0.314	0.314	0.311	9.23
56) M	Bromoform	0.255	0.254	0.304	0.330	0.340	0.297	13.65
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.582	0.551	0.597	0.621	0.608	0.592	4.55
59) M	2-Hexanone	0.444	0.422	0.461	0.484	0.474	0.457	5.40
60) S	4-Bromofluorobenzene	0.488	0.499	0.500	0.511	0.518	0.503	2.36
61) M	Tetrachloroethene	0.633	0.577	0.595	0.598	0.564	0.593	4.42
62) M	Toluene	1.669	1.484	1.607	1.666	1.587	1.603	4.70
63) S	Toluene-d8	1.311	1.318	1.265	1.280	1.261	1.287	2.04
64) M	Chlorobenzene	1.040	0.940	1.023	1.069	1.031	1.021	4.74
65)	1,1,1,2-Tetrachloro	0.383	0.353	0.390	0.409	0.402	0.387	5.61
66) M	Ethyl Benzene	1.842	1.687	1.834	1.908	1.853	1.825	4.51
67) M	m/p-Xylenes	0.696	0.634	0.701	0.731	0.714	0.695	5.30
68) M	o-Xylene	0.663	0.605	0.675	0.712	0.698	0.670	6.18
69) M	Styrene	1.067	1.030	1.163	1.252	1.226	1.147	8.46
70)	Isopropylbenzene	1.828	1.644	1.833	1.890	1.856	1.810	5.32
71) M	1,1,2,2-Tetrachloro	0.220	0.245	0.342	0.422	0.453	0.336	30.74
72)	1,2,3-Trichloroprop	0.552	0.499	0.558	0.568	0.548	0.545	4.93
73)	Bromobenzene	0.452	0.416	0.460	0.479	0.473	0.456	5.47
74)	n-propylbenzene	2.115	1.900	2.139	2.219	2.139	2.102	5.71
75)	2-Chlorotoluene	1.252	1.123	1.243	1.298	1.263	1.236	5.38
76)	1,3,5-Trimethylbenz	1.505	1.374	1.558	1.637	1.608	1.536	6.76
77)	t-1,4-Dichloro-2-bu	0.216	0.207	0.237	0.256	0.256	0.234	9.61
78)	4-Chlorotoluene	1.447	1.318	1.468	1.556	1.523	1.462	6.26
79)	tert-butylbenzene	1.294	1.160	1.338	1.399	1.370	1.312	7.15
80)	1,2,4-Trimethylbenz	1.523	1.381	1.549	1.633	1.589	1.535	6.22
81)	sec-Butylbenzene	1.725	1.588	1.804	1.885	1.847	1.770	6.66
82)	p-Isopropyltoluene	1.608	1.464	1.674	1.753	1.702	1.640	6.80
83) M	1,3-Dichlorobenzene	0.835	0.732	0.816	0.875	0.854	0.822	6.71
84) M	1,4-Dichlorobenzene	0.817	0.726	0.823	0.868	0.852	0.817	6.77
85)	n-Butylbenzene	1.455	1.318	1.516	1.617	1.585	1.498	7.91
86) T	Hexachloroethane	0.272	0.248	0.288	0.317	0.317	0.289	10.31
87) M	1,2-Dichlorobenzene	0.797	0.722	0.797	0.842	0.819	0.795	5.67
88)	1,2-Dibromo-3-Chlor	0.136	0.124	0.141	0.150	0.153	0.141	8.27
89)	1,2,4-Trichlorobenz	0.590	0.525	0.584	0.625	0.606	0.586	6.44
90)	Hexachlorobutadiene	0.248	0.233	0.252	0.260	0.265	0.252	4.88
91) M	Naphthalene	1.818	1.693	1.878	1.984	1.953	1.865	6.22
92)	1,2,3-Trichlorobenz	0.554	0.501	0.560	0.605	0.594	0.563	7.25

(#) = Out of Range