

Method Path : Z:\VOASRV\HPCHEM1\MSV0A X\METHOD\
 Method File : 624X090420W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Sep 04 12:13:41 2020
 Response Via : Initial Calibration

Calibration Files

5 =VX018249.D 20 =VX018250.D 50 =VX018251.D
 100 =VX018252.D 150 =VX018253.D

	Compound	5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	1.737	1.477	1.449	1.677	1.596	1.587	7.83
3) M	Chloromethane	1.758	1.566	1.558	1.771	1.777	1.686	6.74
4) M	Vinyl Chloride	1.809	1.646	1.691	1.894	1.837	1.776	5.85
5) M	Bromomethane	1.304	1.233	1.156	1.210	1.137	1.208	5.49
6) M	Chloroethane	1.138	1.021	1.000	1.143	1.094	1.079	6.10
7) M	Trichlorofluorometh	3.221	2.770	2.832	3.175	3.047	3.009	6.69
8) T	Diethyl Ether	0.971	0.884	0.907	1.005	0.977	0.949	5.36
9)	1,1,2-Trichlorotrif	1.652	1.442	1.461	1.607	1.524	1.537	5.91
10) M	1,1-Dichloroethene	1.559	1.402	1.434	1.612	1.538	1.509	5.84
11)	Methyl Iodide	0.849	1.222	1.709	2.156	2.178	1.623	35.91
12)	Methyl Acetate	1.929	1.891	1.920	2.126	2.066	1.987	5.21
13) M	Acrolein	0.186	0.133	0.138	0.176	0.170	0.160	14.84
14) M	Acrylonitrile	0.867	0.831	0.876	0.974	0.952	0.900	6.70
15) M	Acetone	0.264	0.231	0.228	0.255	0.245	0.245	6.30
16) M	Carbon Disulfide	4.657	4.139	4.140	4.587	4.447	4.394	5.56
17)	Allyl chloride	2.653	2.472	2.594	2.917	2.851	2.697	6.82
18) M	Methylene Chloride	1.947	1.684	1.666	1.819	1.741	1.771	6.50
19) M	trans-1,2-Dichloroe	1.728	1.535	1.628	1.775	1.711	1.676	5.65
20) T	Diisopropyl ether	5.226	5.051	5.190	5.733	5.499	5.340	5.12
21) M	1,1-Dichloroethane	3.149	2.893	2.936	3.245	3.103	3.065	4.82
22) M	cis-1,2-Dichloroeth	1.856	1.746	1.778	1.975	1.914	1.854	5.11
23) M	tert-Butyl Alcohol	0.404	0.348	0.363	0.422	0.413	0.390	8.37
24) M	Methyl tert-Butyl E	5.195	4.938	5.248	5.817	5.627	5.365	6.58
25) M	Chloroform	3.399	3.081	3.104	3.469	3.304	3.271	5.31
26)	Cyclohexane	2.369	2.241	2.384	2.716	2.659	2.474	8.23
27) s	1,2-Dichloroethane-	2.449	2.411	2.366	2.319	2.289	2.367	2.75

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.448	0.416	0.444	0.499	0.482	0.458	7.22
30) M	2-Butanone	0.244	0.232	0.242	0.271	0.265	0.251	6.52
31)	2,2-Dichloropropane	0.571	0.506	0.531	0.587	0.570	0.553	6.01
32) M	1,1,1-Trichloroetha	0.612	0.556	0.576	0.636	0.617	0.599	5.41
33) M	Carbon Tetrachlorid	0.564	0.521	0.534	0.593	0.580	0.559	5.45
34) M	Benzene	1.310	1.217	1.265	1.399	1.345	1.307	5.39
35)	Methacrylonitrile	0.235	0.240	0.266	0.299	0.281	0.264	10.32
36) M	1,2-Dichloroethane	0.538	0.498	0.531	0.579	0.560	0.541	5.69
37) M	Trichloroethene	0.402	0.341	0.356	0.400	0.392	0.378	7.39
38)	Methylcyclohexane	0.448	0.419	0.481	0.548	0.543	0.488	11.70
39) M	1,2-Dichloropropane	0.363	0.327	0.334	0.366	0.362	0.350	5.29
40)	Dibromomethane	0.262	0.235	0.242	0.268	0.257	0.253	5.37
41) M	Bromodichloromethan	0.529	0.480	0.506	0.562	0.542	0.524	6.08
42) M	Vinyl Acetate	0.864	0.864	0.928	1.029	0.992	0.935	7.96
43)	Ethyl Acetate	0.489	0.461	0.477	0.541	0.525	0.499	6.71
44)	Isopropyl Acetate	0.765	0.731	0.777	0.878	0.866	0.804	8.10
45) T	1,4-Dioxane	0.007	0.006	0.006	0.007	0.007	0.007#	9.17
46)	Methyl methacrylate	0.362	0.342	0.389	0.444	0.440	0.395	11.57
47)	n-amyl Acetate	0.587	0.611	0.705	0.825	0.802	0.706	15.30
48) M	t-1,3-Dichloroprope	0.499	0.507	0.549	0.640	0.620	0.563	11.44
49) T	cis-1,3-Dichloropro	0.565	0.545	0.570	0.646	0.631	0.591	7.47
50) M	1,1,2-Trichloroetha	0.354	0.327	0.338	0.374	0.368	0.352	5.57
51)	Ethyl methacrylate	0.435	0.448	0.497	0.585	0.586	0.510	14.25
52)	1,3-Dichloropropane	0.581	0.538	0.562	0.630	0.612	0.585	6.39

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	Compound	5	20	50	100	150	Avg	%RSD
53) M	Dibromochloromethan	0.419	0.390	0.427	0.483	0.471	0.438	8.75
54) M	1,2-Dibromoethane	0.380	0.350	0.375	0.418	0.410	0.386	7.18
55) M	2-Chloroethyl vinyl	0.219	0.242	0.264	0.308	0.300	0.267	14.24
56) M	Bromoform	0.318	0.287	0.335	0.374	0.350	0.333	9.91
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.470	0.483	0.508	0.567	0.553	0.516	8.24
59) M	2-Hexanone	0.344	0.362	0.385	0.441	0.422	0.391	10.35
60) S	4-Bromofluorobenzene	0.502	0.520	0.525	0.527	0.526	0.520	2.02
61) M	Tetrachloroethene	0.411	0.351	0.352	0.391	0.366	0.374	7.00
62) M	Toluene	1.529	1.400	1.465	1.600	1.556	1.510	5.21
63) S	Toluene-d8	1.321	1.348	1.336	1.311	1.295	1.322	1.56
64) M	Chlorobenzene	0.961	0.906	0.921	1.038	1.025	0.970	6.14
65)	1,1,1,2-Tetrachloro	0.396	0.360	0.374	0.420	0.416	0.393	6.61
66) M	Ethyl Benzene	1.538	1.523	1.643	1.851	1.787	1.668	8.81
67) M	m/p-Xylenes	0.580	0.587	0.626	0.705	0.692	0.638	9.09
68) M	o-Xylene	0.525	0.538	0.603	0.678	0.671	0.603	11.91
69) M	Styrene	0.881	0.956	1.063	1.187	1.172	1.052	12.72
70)	Isopropylbenzene	1.454	1.532	1.662	1.898	1.837	1.676	11.37
71) M	1,1,2,2-Tetrachloro	0.552	0.507	0.532	0.584	0.564	0.548	5.41
72)	1,2,3-Trichloroprop	0.537	0.493	0.517	0.564	0.520	0.526	5.01
73)	Bromobenzene	0.449	0.423	0.434	0.508	0.483	0.459	7.72
74)	n-propylbenzene	1.775	1.801	1.942	2.203	2.149	1.974	9.93
75)	2-Chlorotoluene	1.103	1.100	1.158	1.329	1.292	1.196	8.99
76)	1,3,5-Trimethylbenz	1.281	1.325	1.439	1.666	1.591	1.460	11.37
77)	t-1,4-Dichloro-2-bu	0.186	0.180	0.202	0.230	0.225	0.205	10.86
78)	4-Chlorotoluene	1.313	1.304	1.390	1.590	1.538	1.427	9.17
79)	tert-butylbenzene	1.191	1.277	1.384	1.619	1.563	1.407	12.98
80)	1,2,4-Trimethylbenz	1.202	1.324	1.450	1.648	1.598	1.444	12.88
81)	sec-Butylbenzene	1.420	1.470	1.641	1.876	1.809	1.643	12.22
82)	p-Isopropyltoluene	1.296	1.371	1.538	1.754	1.702	1.532	13.06
83) M	1,3-Dichlorobenzene	0.806	0.760	0.794	0.890	0.855	0.821	6.26
84) M	1,4-Dichlorobenzene	0.792	0.764	0.794	0.891	0.864	0.821	6.56
85)	n-Butylbenzene	1.141	1.183	1.348	1.559	1.513	1.349	13.97
86) T	Hexachloroethane	0.277	0.268	0.291	0.339	0.333	0.302	10.80
87) M	1,2-Dichlorobenzene	0.743	0.706	0.741	0.822	0.833	0.769	7.21
88)	1,2-Dibromo-3-Chlor	0.132	0.121	0.137	0.156	0.154	0.140	10.54
89)	1,2,4-Trichlorobenz	0.455	0.457	0.500	0.594	0.595	0.520	13.54
90)	Hexachlorobutadiene	0.199	0.207	0.208	0.246	0.242	0.220	9.94
91) M	Naphthalene	1.265	1.426	1.617	1.903	1.906	1.624	17.57
92)	1,2,3-Trichlorobenz	0.453	0.454	0.508	0.578	0.579	0.515	12.15

(#) = Out of Range