

Method Path : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\
 Method File : 624X012519W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Mon Jan 28 10:35:22 2019
 Response Via : Initial Calibration

Calibration Files

5 =VX007216.D 20 =VX007217.D 50 =VX007218.D
 100 =VX007219.D 150 =VX007220.D

	Compound	5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	1.834	1.211	1.220	1.247	1.220	1.347	20.27
3) M	Chloromethane	1.905	1.430	1.431	1.379	1.382	1.506	14.94
4) M	Vinyl Chloride	2.005	1.619	1.645	1.646	1.627	1.708	9.74
5) M	Bromomethane	2.179	1.686	1.680	1.670	1.688	1.781	12.52
6) M	Chloroethane	1.231	1.058	1.093	1.124	1.251	1.151	7.41
7) M	Trichlorofluorometh	3.280	2.699	2.713	2.858	2.871	2.884	8.16
8) T	Diethyl Ether	1.156	1.032	1.054	1.104	1.106	1.090	4.47
9)	1,1,2-Trichlorotrif	1.977	1.572	1.613	1.680	1.677	1.704	9.35
10) M	1,1-Dichloroethene	1.688	1.460	1.476	1.561	1.558	1.548	5.85
11)	Methyl Iodide	2.416	2.341	2.537	2.622	2.645	2.512	5.23
12)	Methyl Acetate	2.988	2.504	2.531	2.593	2.569	2.637	7.55
13) M	Acrolein	0.249	0.167	0.171	0.184	0.184	0.191	17.34
14) M	Acrylonitrile	1.069	0.960	0.963	0.982	0.962	0.987	4.72
15) M	Acetone	0.285	0.279	0.285	0.286	0.268	0.281	2.66
16) M	Carbon Disulfide	3.913	3.303	3.582	3.877	3.994	3.734	7.68
17)	Allyl chloride	2.675	2.537	2.650	2.781	2.818	2.692	4.15
18) M	Methylene Chloride	2.069	1.721	1.710	1.713	1.710	1.785	8.90
19) M	trans-1,2-Dichloroe	1.853	1.559	1.598	1.676	1.698	1.677	6.77
20) T	Diisopropyl ether	5.250	4.831	4.894	5.040	5.045	5.012	3.24
21) M	1,1-Dichloroethane	3.257	2.777	2.721	2.783	2.775	2.863	7.75
22) M	cis-1,2-Dichloroeth	1.994	1.751	1.783	1.847	1.844	1.844	5.07
23) M	tert-Butyl Alcohol	0.450	0.407	0.404	0.408	0.405	0.415	4.79
24) M	Methyl tert-Butyl E	5.671	5.143	5.254	5.489	5.560	5.423	4.03
25) M	Chloroform	3.148	2.853	2.888	2.948	2.957	2.959	3.85
26)	Cyclohexane	2.621	2.257	2.324	2.420	2.433	2.411	5.72
27) s	1,2-Dichloroethane-	2.050	1.960	1.949	1.945	1.942	1.969	2.33

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.399	0.380	0.385	0.401	0.391	0.391	2.28
30) M	2-Butanone	0.231	0.237	0.237	0.239	0.224	0.234	2.65
31)	2,2-Dichloropropane	0.394	0.373	0.387	0.412	0.408	0.395	3.97
32) M	1,1,1-Trichloroetha	0.465	0.442	0.454	0.478	0.471	0.462	3.07
33) M	Carbon Tetrachlorid	0.402	0.375	0.403	0.427	0.425	0.406	5.18
34) M	Benzene	1.278	1.180	1.186	1.209	1.178	1.206	3.47
35)	Methacrylonitrile	0.247	0.233	0.237	0.239	0.237	0.239	2.24
36) M	1,2-Dichloroethane	0.447	0.406	0.407	0.416	0.406	0.416	4.25
37) M	Trichloroethene	0.384	0.346	0.343	0.354	0.351	0.356	4.62
38)	Methylcyclohexane	0.552	0.458	0.481	0.500	0.488	0.496	7.04
39) M	1,2-Dichloropropane	0.316	0.291	0.296	0.308	0.301	0.303	3.29
40)	Dibromomethane	0.230	0.209	0.214	0.220	0.216	0.218	3.70
41) M	Bromodichloromethan	0.353	0.355	0.383	0.414	0.407	0.382	7.44
42) M	Vinyl Acetate	0.826	0.758	0.777	0.808	0.793	0.792	3.36
43)	Ethyl Acetate	0.469	0.424	0.428	0.437	0.422	0.436	4.44
44)	Isopropyl Acetate	0.673	0.641	0.692	0.711	0.689	0.681	3.85
45) T	1,4-Dioxane	0.009	0.008	0.008	0.008	0.008	0.008#	4.58
46)	Methyl methacrylate	0.338	0.338	0.352	0.362	0.352	0.348	2.99
47)	n-amyl Acetate	0.532	0.574	0.610	0.632	0.646	0.599	7.69
48) M	t-1,3-Dichloroprope	0.353	0.378	0.427	0.466	0.462	0.417	12.07
49) T	cis-1,3-Dichloropro	0.416	0.434	0.466	0.505	0.495	0.463	8.25
50) M	1,1,2-Trichloroetha	0.346	0.317	0.327	0.330	0.316	0.327	3.80
51)	Ethyl methacrylate	0.453	0.447	0.474	0.487	0.476	0.467	3.58
52)	1,3-Dichloropropane	0.560	0.507	0.523	0.525	0.504	0.524	4.21

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	Compound	5	20	50	100	150	Avg	%RSD
53) M	Dibromochloromethan	0.283	0.306	0.337	0.365	0.361	0.331	10.73
54) M	1,2-Dibromoethane	0.352	0.347	0.355	0.358	0.348	0.352	1.37
55) M	2-Chloroethyl vinyl	0.242	0.253	0.262	0.266	0.262	0.257	3.68
56) M	Bromoform	0.201	0.224	0.259	0.281	0.290	0.251	15.07
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.476	0.503	0.504	0.518	0.508	0.502	3.08
59) M	2-Hexanone	0.355	0.397	0.388	0.402	0.398	0.388	4.97
60) S	4-Bromofluorobenzene	0.455	0.473	0.461	0.462	0.464	0.463	1.37
61) M	Tetrachloroethene	0.465	0.432	0.407	0.402	0.384	0.418	7.53
62) M	Toluene	1.574	1.474	1.465	1.534	1.504	1.510	2.97
63) S	Toluene-d8	1.342	1.372	1.336	1.358	1.354	1.352	1.06
64) M	Chlorobenzene	1.057	0.968	0.973	1.002	0.982	0.996	3.63
65)	1,1,1,2-Tetrachloro	0.329	0.334	0.355	0.374	0.373	0.353	5.93
66) M	Ethyl Benzene	1.673	1.590	1.606	1.674	1.638	1.636	2.34
67) M	m/p-Xylenes	0.650	0.628	0.636	0.663	0.654	0.646	2.16
68) M	o-Xylene	0.653	0.615	0.625	0.639	0.632	0.633	2.27
69) M	Styrene	0.983	0.982	1.024	1.056	1.060	1.021	3.70
70)	Isopropylbenzene	1.697	1.636	1.660	1.710	1.674	1.676	1.76
71) M	1,1,2,2-Tetrachloro	0.540	0.527	0.520	0.545	0.549	0.536	2.28
72)	1,2,3-Trichloroprop	0.512	0.504	0.498	0.505	0.502	0.504	1.04
73)	Bromobenzene	0.494	0.450	0.451	0.464	0.461	0.464	3.82
74)	n-propylbenzene	1.879	1.837	1.869	1.932	1.912	1.886	1.97
75)	2-Chlorotoluene	1.162	1.096	1.102	1.118	1.114	1.118	2.32
76)	1,3,5-Trimethylbenz	1.412	1.361	1.371	1.418	1.430	1.399	2.19
77)	t-1,4-Dichloro-2-bu	0.099	0.124	0.151	0.175	0.184	0.147	24.25
78)	4-Chlorotoluene	1.320	1.264	1.268	1.316	1.342	1.302	2.62
79)	tert-butylbenzene	1.509	1.452	1.493	1.554	1.558	1.513	2.93
80)	1,2,4-Trimethylbenz	1.415	1.392	1.406	1.436	1.431	1.416	1.27
81)	sec-Butylbenzene	1.703	1.647	1.654	1.711	1.717	1.686	1.96
82)	p-Isopropyltoluene	1.509	1.452	1.493	1.554	1.558	1.513	2.93
83) M	1,3-Dichlorobenzene	0.843	0.801	0.807	0.829	0.842	0.824	2.37
84) M	1,4-Dichlorobenzene	0.829	0.808	0.804	0.834	0.849	0.825	2.24
85)	n-Butylbenzene	1.213	1.195	1.289	1.376	1.420	1.299	7.60
86) T	Hexachloroethane	0.195	0.209	0.236	0.258	0.273	0.234	13.95
87) M	1,2-Dichlorobenzene	0.835	0.795	0.790	0.829	0.856	0.821	3.36
88)	1,2-Dibromo-3-Chlor	0.094	0.101	0.109	0.120	0.123	0.109	11.10
89)	1,2,4-Trichlorobenz	0.531	0.529	0.554	0.591	0.612	0.564	6.59
90)	Hexachlorobutadiene	0.278	0.252	0.262	0.273	0.280	0.269	4.38
91) M	Naphthalene	1.547	1.629	1.708	1.812	1.834	1.706	7.11
92)	1,2,3-Trichlorobenz	0.536	0.536	0.544	0.581	0.598	0.559	5.16

(#) = Out of Range