

Method Path : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\
 Method File : 624X111119W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue Nov 12 01:16:13 2019
 Response Via : Initial Calibration

Calibration Files

5 =VX013367.D 20 =VX013368.D 50 =VX013369.D
 100 =VX013370.D 150 =VX013371.D

	Compound	5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	1.897	2.163	2.358	2.396	2.425	2.248	9.83
3) M	Chloromethane	2.262	2.342	2.499	2.563	2.583	2.450	5.76
4) M	Vinyl Chloride	2.472	2.652	2.887	2.957	2.950	2.784	7.68
5) M	Bromomethane	1.708	1.415	1.636	1.789	1.820	1.673	9.64
6) M	Chloroethane	1.593	1.423	1.530	1.549	1.556	1.530	4.20
7) M	Trichlorofluorometh	3.032	2.773	2.971	3.106	3.102	2.997	4.56
8) T	Diethyl Ether	1.349	1.257	1.367	1.438	1.430	1.368	5.36
9)	1,1,2-Trichlorotrif	1.772	1.685	1.839	1.857	1.863	1.803	4.18
10) M	1,1-Dichloroethene	1.790	1.707	1.852	1.971	1.944	1.853	5.88
11)	Methyl Iodide	1.768	1.994	2.381	2.615	2.681	2.288	17.31
12)	Methyl Acetate	2.950	3.019	3.323	3.470	3.471	3.247	7.63
13) M	Acrolein	0.359	0.319	0.337	0.357	0.352	0.345	4.79
14) M	Acrylonitrile	1.144	1.101	1.202	1.264	1.258	1.194	5.95
15) M	Acetone	0.339	0.380	0.365	0.366	0.357	0.362	4.15
16) M	Carbon Disulfide	4.790	4.700	5.222	5.558	5.569	5.168	7.97
17)	Allyl chloride	3.196	3.160	3.442	3.668	3.594	3.412	6.71
18) M	Methylene Chloride	2.192	1.905	2.076	2.172	2.167	2.102	5.67
19) M	trans-1,2-Dichloroe	1.948	1.807	1.984	2.087	2.074	1.980	5.70
20) T	Diisopropyl ether	6.490	6.043	6.588	6.882	6.818	6.564	5.07
21) M	1,1-Dichloroethane	3.509	3.283	3.580	3.790	3.714	3.575	5.51
22) M	cis-1,2-Dichloroeth	2.202	2.061	2.257	2.397	2.371	2.258	6.02
23) M	tert-Butyl Alcohol	0.604	0.503	0.561	0.597	0.608	0.575	7.67
24) M	Methyl tert-Butyl E	5.935	5.667	6.156	6.463	6.439	6.132	5.53
25) M	Chloroform	3.565	3.231	3.457	3.638	3.607	3.500	4.71
26)	Cyclohexane	3.244	2.949	3.268	3.397	3.375	3.247	5.51
27) s	1,2-Dichloroethane-	2.171	2.141	2.171	2.335	2.258	2.215	3.62

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.466	0.427	0.473	0.457	0.468	0.458	4.03
30) M	2-Butanone	0.297	0.302	0.312	0.302	0.300	0.302	1.82
31)	2,2-Dichloropropane	0.494	0.477	0.512	0.500	0.497	0.496	2.58
32) M	1,1,1-Trichloroetha	0.507	0.485	0.525	0.513	0.517	0.509	2.95
33) M	Carbon Tetrachlorid	0.431	0.424	0.453	0.451	0.453	0.442	3.09
34) M	Benzene	1.407	1.336	1.428	1.395	1.384	1.390	2.47
35)	Methacrylonitrile	0.277	0.291	0.318	0.313	0.312	0.302	5.79
36) M	1,2-Dichloroethane	0.504	0.467	0.495	0.483	0.484	0.486	2.83
37) M	Trichloroethene	0.373	0.350	0.377	0.379	0.383	0.372	3.45
38)	Methylcyclohexane	0.570	0.529	0.579	0.564	0.567	0.562	3.38
39) M	1,2-Dichloropropane	0.366	0.340	0.371	0.363	0.356	0.359	3.31
40)	Dibromomethane	0.250	0.228	0.244	0.235	0.238	0.239	3.49
41) M	Bromodichloromethan	0.448	0.448	0.480	0.478	0.481	0.467	3.77
42) M	Vinyl Acetate	0.977	0.912	0.985	0.955	0.932	0.952	3.20
43)	Ethyl Acetate	0.534	0.535	0.564	0.561	0.565	0.552	2.84
44)	Isopropyl Acetate	0.866	0.835	0.909	0.903	0.920	0.887	3.96
45) T	1,4-Dioxane	0.010	0.009	0.010	0.010	0.010	0.010#	4.61
46)	Methyl methacrylate	0.421	0.409	0.459	0.452	0.464	0.441	5.49
47)	n-amyl Acetate	0.698	0.713	0.812	0.817	0.849	0.778	8.70
48) M	t-1,3-Dichloroprope	0.483	0.477	0.542	0.552	0.564	0.524	7.77
49) T	cis-1,3-Dichloropro	0.530	0.539	0.604	0.598	0.598	0.574	6.30
50) M	1,1,2-Trichloroetha	0.356	0.342	0.360	0.352	0.359	0.354	2.02
51)	Ethyl methacrylate	0.551	0.534	0.602	0.605	0.621	0.583	6.52
52)	1,3-Dichloropropane	0.616	0.584	0.615	0.604	0.606	0.605	2.17

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	Compound	5	20	50	100	150	Avg	%RSD
53) M	Dibromochloromethan	0.345	0.347	0.392	0.392	0.399	0.375	7.05
54) M	1,2-Dibromoethane	0.378	0.365	0.386	0.378	0.385	0.378	2.24
55) M	2-Chloroethyl vinyl	0.265	0.241	0.244	0.247	0.248	0.249	3.67
56) M	Bromoform	0.260	0.267	0.308	0.320	0.338	0.298	11.28
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.626	0.608	0.649	0.626	0.625	0.627	2.34
59) M	2-Hexanone	0.488	0.486	0.512	0.494	0.499	0.496	2.12
60) S	4-Bromofluorobenzene	0.477	0.475	0.480	0.481	0.498	0.482	1.92
61) M	Tetrachloroethene	0.404	0.350	0.374	0.360	0.362	0.370	5.64
62) M	Toluene	1.749	1.624	1.698	1.651	1.634	1.671	3.11
63) S	Toluene-d8	1.392	1.370	1.358	1.345	1.318	1.357	2.04
64) M	Chlorobenzene	1.067	0.988	1.064	1.046	1.059	1.045	3.12
65)	1,1,1,2-Tetrachloro	0.390	0.368	0.402	0.394	0.401	0.391	3.57
66) M	Ethyl Benzene	1.866	1.754	1.884	1.840	1.835	1.836	2.72
67) M	m/p-Xylenes	0.724	0.671	0.724	0.706	0.716	0.708	3.13
68) M	o-Xylene	0.682	0.642	0.700	0.692	0.700	0.683	3.54
69) M	Styrene	1.116	1.103	1.210	1.192	1.214	1.167	4.57
70)	Isopropylbenzene	1.846	1.726	1.840	1.806	1.787	1.801	2.69
71) M	1,1,2,2-Tetrachloro	0.637	0.617	0.657	0.643	0.670	0.645	3.18
72)	1,2,3-Trichloroprop	0.521	0.484	0.522	0.597	0.599	0.544	9.43
73)	Bromobenzene	0.482	0.445	0.478	0.478	0.492	0.475	3.69
74)	n-propylbenzene	2.047	1.936	2.118	2.063	2.069	2.047	3.30
75)	2-Chlorotoluene	1.255	1.153	1.229	1.213	1.235	1.217	3.18
76)	1,3,5-Trimethylbenz	1.510	1.434	1.542	1.527	1.555	1.514	3.16
77)	t-1,4-Dichloro-2-bu	0.177	0.198	0.232	0.243	0.251	0.220	14.29
78)	4-Chlorotoluene	1.405	1.299	1.417	1.405	1.445	1.394	3.99
79)	tert-butylbenzene	1.495	1.449	1.552	1.547	1.593	1.527	3.65
80)	1,2,4-Trimethylbenz	1.497	1.420	1.542	1.528	1.555	1.508	3.58
81)	sec-Butylbenzene	1.717	1.630	1.794	1.760	1.812	1.742	4.16
82)	p-Isopropyltoluene	1.560	1.505	1.646	1.638	1.679	1.605	4.44
83) M	1,3-Dichlorobenzene	0.832	0.765	0.841	0.845	0.892	0.835	5.46
84) M	1,4-Dichlorobenzene	0.829	0.761	0.825	0.848	0.881	0.829	5.29
85)	n-Butylbenzene	1.258	1.264	1.432	1.454	1.520	1.386	8.54
86) T	Hexachloroethane	0.269	0.262	0.302	0.308	0.332	0.295	9.78
87) M	1,2-Dichlorobenzene	0.831	0.779	0.833	0.851	0.880	0.835	4.39
88)	1,2-Dibromo-3-Chlor	0.129	0.130	0.150	0.152	0.161	0.144	9.82
89)	1,2,4-Trichlorobenz	0.517	0.521	0.589	0.608	0.643	0.576	9.61
90)	Hexachlorobutadiene	0.271	0.252	0.277	0.283	0.296	0.276	5.83
91) M	Naphthalene	1.588	1.679	1.904	1.930	2.012	1.823	9.88
92)	1,2,3-Trichlorobenz	0.540	0.535	0.594	0.604	0.635	0.582	7.38

(#) = Out of Range