Response Factor Report MSVOA_X

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 624X011823W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Wed Jan 18 14:40:07 2023
Response Via : Initial Calibration

Calibration Files
5 =VX033768.D 20 =VX033769.D 50 =VX033770.D 100 =VX033771.D 150 =VX033772.D

		Compound	5	20	50	100	150	Avg		%RSD
1)	I	Bromochloromethane	----------ISTD----------							
2)	M	Dichlorodifluoro...	2.764	2.893	2.969	2.375	2.741	2.748		8.33
3)	M	Chloromethane	3.410	3.164	3.286	2.584	3.009	3.091		10.34
4)	M	Vinyl Chloride	3.224	3.165	3.255	2.505	3.018	3.034		10.19
5)	M	Bromomethane	2.119	1.949	2.074	1.664	1.973	1.956		9.08
6)	M	Chloroethane	1.808	1.764	1.737	1.313	1.492	1.623		13.08
7)	M	Trichlorofluorom...	4.986	4.676	4.757	3.718	4.290	4.485		11.08
8)	T	Diethyl Ether	1.778	1.724	1.784	1.430	1.737	1.691		8.75
9)		1,1,2-Trichlorot...	2.937	2.825	2.789	2.300	2.721	2.714		9.02
10)	M	1,1-Dichloroethene	2.929	2.754	2.710	2.250	2.689	2.666		9.42
11)		Methyl Iodide	4.128	4.034	4.372	3.443	4.135	4.022		8.62
12)		Methyl Acetate	5.026	4.817	4.958	3.884	4.578	4.653		9.94
13)	M	Acrolein	0.626	0.469	0.487	0.457	0.564	0.520		13.83
14)	M	Acrylonitrile	1.631	1.591	1.613	1.263	1.481	1.516		10.08
15)	M	Acetone	0.506	0.475	0.485	0.370	0.443	0.456		11.63
16)	M	Carbon Disulfide	6.922	6.472	6.992	5.593	6.701	6.536		8.65
17)		Allyl chloride	5.131	5.003	5.133	4.022	4.773	4.812		9.67
18)	M	Methylene Chloride	3.371	3.108	3.178	2.464	2.889	3.002		11.55
19)	M	trans-1,2-Dichlo...	3.137	2.987	3.043	2.367	2.817	2.870		10.61
20)	T	Diisopropyl ether	1.057	0.977	0.994	0.776	0.913	0.943	E1	11.32
21)	M	1,1-Dichloroethane	5.795	5.316	5.416	4.261	5.024	5.162		11.12
22)	M	cis-1,2-Dichloro...	3.673	3.494	3.577	2.806	3.313	3.373		10.18
23)	M	tert-Butyl Alcohol	0.570	0.560	0.549	0.424	0.516	0.524		11.32
24)	M	Methyl tert-Buty...	9.442	8.956	9.420	7.420	8.902	8.828		9.36
25)	M	Chloroform	5.782	5.355	5.487	4.286	5.049	5.192		10.99
26)		Cyclohexane	5.303	4.891	4.942	3.865	4.521	4.704		11.58
27)	s	1,2-Dichloroetha...	2.546	2.328	2.266	2.270	2.198	2.322		5.76
28)	I	1,4-Difluorobenzene	----------ISTD----------							
29)		1,1-Dichloropropene	0.658	0.581	0.596	0.476	0.570	0.576		11.33
30)	M	2-Butanone	0.372	0.327	0.330	0.259	0.304	0.318		12.98
31)		2,2-Dichloropropane	0.594	0.535	0.570	0.464	0.570	0.547		9.31
32)	M	1,1,1-Trichloroe...	0.752	0.667	0.683	0.549	0.666	0.664		11.03
33)	M	Carbon Tetrachlo...	0.647	0.600	0.614	0.502	0.606	0.594		9.17
34)	M	Benzene	1.875	1.776	1.784	1.432	1.685	1.710		9.92
35)		Methacrylonitrile	0.381	0.354	0.366	0.286	0.346	0.347		10.43
36)	M	1,2-Dichloroethane	0.732	0.602	0.611	0.486	0.576	0.602		14.66
37)	M	Trichloroethene	0.481	0.498	0.521	0.410	0.504	0.483		8.96
38)		Methylcyclohexane	0.695	0.698	0.758	0.598	0.716	0.693		8.47
39)	M	1,2-Dichloropropane	0.430	0.413	0.460	0.357	0.433	0.419		9.17
40)		Dibromomethane	0.319	0.296	0.321	0.251	0.301	0.298		9.51
41)	M	Bromodichloromet...	0.587	0.566	0.606	0.484	0.595	0.568		8.62
42)	M	Vinyl Acetate	1.181	1.086	1.126	0.889	1.067	1.070		10.29
43)		Ethyl Acetate	0.754	0.615	0.639	0.502	0.602	0.622		14.51
44)		Isopropyl Acetate	0.980	0.948	1.005	0.809	0.989	0.946		8.38
45)	T	1,4-Dioxane	0.010	0.010	0.011	0.008	0.010	0.010		9.03
46)		Methyl methacrylate	0.492	0.485	0.516	0.413	0.496	0.480		8.18
47)		n-amyl Acetate	0.778	0.759	0.906	0.719	0.829	0.798		9.03
48)	M	t-1,3-Dichloropr...	0.586	0.546	0.648	0.550	0.661	0.598		9.03
49)	T	cis-1,3-Dichloro...	0.680	0.654	0.722	0.604	0.716	0.675		7.22
50)	M	1,1,2-Trichloroe...	0.502	0.419	0.467	0.380	0.440	0.441		10.55
51)		Ethyl methacrylate	0.682	0.613	0.705	0.587	0.685	0.654		7.84
52)		1,3-Dichloropropane	0.871	0.704	0.779	0.639	0.726	0.744		11.72
53)	M	Dibromochloromet...	0.505	0.444	0.516	0.431	0.514	0.482		8.53
54)	M	1,2-Dibromoethane	0.543	0.447	0.502	0.413	0.479	0.477		10.42
55)	M	2-Chloroethyl vi...	0.318	0.299	0.322	0.287	0.309	0.307		4.64
56)	M	Bromoform	0.349	0.358	0.412	0.342	0.410	0.374		9.20

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 624X011823W.M

57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.563	0.577	0.572	0.461	0.523	0.539	9.03
59)	M	2-Hexanone	0.427	0.433	0.431	0.347	0.388	0.405	9.20
60)	S	4-Bromofluoroben...	0.530	0.550	0.542	0.530	0.529	0.536	1.77
61)	M	Tetrachloroethene	0.433	0.381	0.423	0.332	0.406	0.395	10.14
62)	M	Toluene	1.711	1.796	1.789	1.407	1.687	1.678	9.46
63)	S	Toluene-d8	0.944	0.981	0.950	0.950	0.960	0.957	1.52
64)	M	Chlorobenzene	1.195	1.165	1.189	0.935	1.110	1.119	9.68
65)		1,1,1,2-Tetrachl...	0.419	0.436	0.438	0.359	0.430	0.417	7.88
66)	M	Ethyl Benzene	2.015	2.020	2.044	1.617	1.906	1.920	9.26
67)	M	m/p-Xylenes	0.792	0.795	0.816	0.636	0.753	0.758	9.51
68)	M	o-Xylene	0.803	0.785	0.805	0.632	0.735	0.752	9.67
69)	M	Styrene	1.266	1.300	1.338	1.048	1.234	1.237	9.09
70)		Isopropylbenzene	2.068	2.041	2.084	1.605	1.888	1.937	10.39
71)	M	1,1,2,2-Tetrachl...	0.623	0.604	0.629	0.481	0.569	0.581	10.46
72)		1,2,3-Trichlorop...	0.546	0.558	0.581	0.442	0.519	0.529	10.15
73)		Bromobenzene	0.558	0.555	0.556	0.433	0.521	0.525	10.17
74)		n-propylbenzene	2.280	2.320	2.387	1.851	2.166	2.201	9.60
75)		2-Chlorotoluene	1.409	1.378	1.394	1.089	1.275	1.309	10.23
76)		1,3,5-Trimethylb...	1.675	1.721	1.729	1.338	1.569	1.607	10.14
77)		t-1,4-Dichloro-2...	0.127	0.159	0.184	0.152	0.191	0.163	15.93
78)		4-Chlorotoluene	1.554	1.538	1.588	1.233	1.452	1.473	9.73
79)		tert-butylbenzene	1.717	1.743	1.772	1.379	1.610	1.644	9.75
80)		1,2,4-Trimethylb...	1.664	1.688	1.722	1.333	1.558	1.593	9.91
81)		sec-Butylbenzene	2.083	2.107	2.150	1.677	1.988	2.001	9.53
82)		p-Isopropyltoluene	1.776	1.843	1.873	1.446	1.729	1.733	9.83
83)	M	1,3-Dichlorobenzene	0.992	0.988	1.019	0.787	0.953	0.948	9.78
84)	M	1,4-Dichlorobenzene	0.996	0.983	1.014	0.800	0.958	0.950	9.08
85)		n-Butylbenzene	1.385	1.467	1.532	1.222	1.442	1.410	8.34
86)	T	Hexachloroethane	0.256	0.275	0.297	0.242	0.299	0.274	9.08
87)	M	1,2-Dichlorobenzene	0.946	0.976	0.975	0.767	0.905	0.914	9.53
88)		1,2-Dibromo-3-Ch...	0.111	0.121	0.135	0.102	0.125	0.119	10.71
89)		1,2,4-Trichlorob...	0.608	0.657	0.691	0.545	0.679	0.636	9.46
90)		Hexachlorobutadiene	0.303	0.304	0.320	0.252	0.311	0.298	9.03
91)	M	Naphthalene	1.773	1.951	2.046	1.581	1.967	1.864	10.02
92)		1,2,3-Trichlorob...	0.565	0.655	0.683	0.543	0.672	0.624	10.35

(#) = Out of Range