Response Factor Report MSVOA_X

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 624X093022W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Mon Oct 03 00:56:55 2022
Response Via : Initial Calibration

Calibration Files
5 =VX031806.D 20 =VX031807.D 50 =VX031808.D 100 =VX031809.D 150 =VX031810.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	1.447	1.277	1.211	1.090	1.230	1.251	10.36
3)	M	Chloromethane	1.568	1.430	1.293	1.093	1.171	1.311	14.66
4)	M	Vinyl Chloride	2.036	1.914	1.756	1.485	1.600	1.758	12.76
5)	M	Bromomethane	2.052	1.606	1.556	1.414	1.415	1.609	16.30
6)	M	Chloroethane	1.723	1.593	1.623	1.381	1.431	1.550	9.12
7)	M	Trichlorofluorom...	4.278	4.080	3.763	3.243	3.424	3.758	11.54
8)	T	Diethyl Ether	1.428	1.410	1.268	1.099	1.160	1.273	11.52
9)		1,1,2-Trichlorot...	1.968	1.888	1.738	1.558	1.765	1.783	8.79
10)	M	1,1-Dichloroethene	1.841	1.718	1.582	1.452	1.642	1.647	8.84
11)		Methyl Iodide	1.574	1.576	1.804	1.841	2.219	1.803	14.63
12)		Methyl Acetate	2.215	2.026	1.838	1.622	1.708	1.882	12.77
13)	M	Acrolein	0.264	0.158	0.144	0.129	0.138	0.167	33.34
14)	M	Acrylonitrile	0.876	0.859	0.801	0.713	0.745	0.799	8.81
15)	M	Acetone	0.254	0.241	0.207	0.184	0.196	0.216	13.73
16)	M	Carbon Disulfide	4.046	3.574	3.532	3.235	3.680	3.613	8.10
17)		Allyl chloride	2.141	2.114	1.999	1.771	1.944	1.994	7.45
18)	M	Methylene Chloride	2.158	2.002	1.845	1.615	1.805	1.885	10.92
19)	M	trans-1,2-Dichlo...	2.013	1.981	1.901	1.729	1.912	1.907	5.77
20)	T	Diisopropyl ether	4.964	4.992	4.669	4.021	4.263	4.582	9.38
21)	M	1,1-Dichloroethane	3.313	3.156	3.014	2.613	2.849	2.989	9.08
22)	M	cis-1,2-Dichloro...	2.496	2.370	2.301	2.070	2.283	2.304	6.74
23)	M	tert-Butyl Alcohol	0.324	0.332	0.279	0.273	0.280	0.298	9.37
24)	M	Methyl tert-Buty...	6.075	5.968	5.647	5.065	5.549	5.661	7.03
25)	M	Chloroform	3.970	3.915	3.695	3.280	3.489	3.670	7.89
26)		Cyclohexane	2.614	2.650	2.499	2.195	2.369	2.466	7.58
27)	s	1,2-Dichloroetha...	2.452	2.429	2.251	2.061	2.097	2.258	8.04
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.493	0.481	0.468	0.431	0.452	0.465	5.28
30)	M	2-Butanone	0.204	0.209	0.189	0.172	0.172	0.189	9.18
31)		2,2-Dichloropropane	0.446	0.465	0.475	0.454	0.489	0.466	3.67
32)	M	1,1,1-Trichloroe...	0.620	0.621	0.624	0.588	0.625	0.616	2.51
33)	M	Carbon Tetrachlo...	0.539	0.571	0.566	0.554	0.593	0.564	3.53
34)	M	Benzene	1.430	1.444	1.396	1.272	1.339	1.376	5.16
35)		Methacrylonitrile	0.199	0.211	0.203	0.189	0.187	0.198	5.07
36)	M	1,2-Dichloroethane	0.522	0.521	0.489	0.441	0.452	0.485	7.82
37)	M	Trichloroethene	0.466	0.442	0.447	0.428	0.463	0.449	3.40
38)		Methylcyclohexane	0.596	0.582	0.570	0.536	0.563	0.569	3.89
39)	M	1,2-Dichloropropane	0.331	0.324	0.314	0.292	0.311	0.315	4.74
40)		Dibromomethane	0.282	0.290	0.273	0.258	0.272	0.275	4.38
41)	M	Bromodichloromet...	0.481	0.507	0.512	0.484	0.511	0.499	3.08
42)	M	Vinyl Acetate	0.672	0.729	0.709	0.644	0.659	0.683	5.23
43)		Ethyl Acetate	0.407	0.414	0.379	0.349	0.353	0.380	7.84
44)		Isopropyl Acetate	0.576	0.638	0.619	0.583	0.606	0.605	4.25
45)	T	1,4-Dioxane	0.009	0.010	0.009	0.008	0.008	0.009	10.69
46)		Methyl methacrylate	0.265	0.305	0.294	0.272	0.275	0.282	5.97
47)		n-amyl Acetate	0.429	0.542	0.553	0.521	0.550	0.519	9.96
48)	M	t-1,3-Dichloropr...	0.410	0.484	0.526	0.505	0.535	0.492	10.15
49)	T	cis-1,3-Dichloro...	0.487	0.545	0.561	0.536	0.569	0.540	5.98
50)	M	1,1,2-Trichloroe...	0.395	0.416	0.409	0.380	0.394	0.398	3.52
51)		Ethyl methacrylate	0.478	0.542	0.542	0.501	0.520	0.517	5.31
52)		1,3-Dichloropropane	0.618	0.651	0.633	0.569	0.583	0.611	5.62
53)	M	Dibromochloromet...	0.366	0.429	0.475	0.460	0.489	0.444	10.99
54)	M	1,2-Dibromoethane	0.435	0.454	0.461	0.424	0.433	0.441	3.50
55)	M	2-Chloroethyl vi...	0.256	0.280	0.253	0.227	0.250	0.253	7.45
56)	M	Bromoform	0.229	0.300	0.350	0.358	0.388	0.325	19.17

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57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.422	0.443	0.410	0.366	0.376	0.403	7.94
59)	M	2-Hexanone	0.318	0.331	0.304	0.274	0.281	0.302	8.10
60)	S	4-Bromofluoroben...	0.547	0.574	0.562	0.543	0.551	0.555	2.28
61)	M	Tetrachloroethene	0.486	0.475	0.475	0.471	0.501	0.482	2.48
62)	M	Toluene	1.861	1.766	1.715	1.569	1.677	1.718	6.29
63)	S	Toluene-d8	1.567	1.569	1.511	1.494	1.479	1.524	2.75
64)	M	Chlorobenzene	1.241	1.197	1.167	1.091	1.164	1.172	4.66
65)		1,1,1,2-Tetrachl...	0.422	0.437	0.454	0.435	0.474	0.444	4.52
66)	M	Ethyl Benzene	2.026	2.016	1.959	1.780	1.899	1.936	5.21
67)	M	m/p-Xylenes	0.811	0.842	0.826	0.751	0.801	0.806	4.28
68)	M	o-Xylene	0.792	0.817	0.815	0.742	0.792	0.791	3.84
69)	M	Styrene	1.205	1.334	1.333	1.229	1.326	1.285	4.91
70)		Isopropylbenzene	2.038	2.158	2.114	1.921	2.053	2.057	4.38
71)	M	1,1,2,2-Tetrachl...	0.605	0.620	0.591	0.546	0.570	0.586	4.99
72)		1,2,3-Trichlorop...	0.516	0.550	0.513	0.475	0.488	0.508	5.64
73)		Bromobenzene	0.514	0.555	0.566	0.537	0.586	0.552	5.00
74)		n-propylbenzene	2.243	2.378	2.324	2.113	2.247	2.261	4.42
75)		2-Chlorotoluene	1.419	1.434	1.378	1.245	1.321	1.359	5.69
76)		1,3,5-Trimethylb...	1.695	1.837	1.795	1.621	1.719	1.734	4.90
77)		t-1,4-Dichloro-2...	0.111	0.132	0.154	0.160	0.179	0.147	17.96
78)		4-Chlorotoluene	1.578	1.642	1.572	1.431	1.527	1.550	5.04
79)		tert-butylbenzene	1.636	1.823	1.800	1.653	1.802	1.743	5.20
80)		1,2,4-Trimethylb...	1.639	1.823	1.798	1.616	1.719	1.719	5.35
81)		sec-Butylbenzene	2.129	2.227	2.183	2.000	2.131	2.134	3.98
82)		p-Isopropyltoluene	1.778	1.962	1.953	1.787	1.898	1.876	4.72
83)	M	1,3-Dichlorobenzene	0.976	1.049	1.090	1.014	1.090	1.044	4.72
84)	M	1,4-Dichlorobenzene	1.017	1.090	1.112	1.025	1.108	1.070	4.28
85)		n-Butylbenzene	1.388	1.473	1.498	1.382	1.491	1.446	3.95
86)	T	Hexachloroethane	0.242	0.283	0.306	0.301	0.340	0.294	12.21
87)	M	1,2-Dichlorobenzene	1.016	1.055	1.091	0.996	1.049	1.041	3.53
88)		1,2-Dibromo-3-Ch...	0.102	0.121	0.125	0.117	0.123	0.118	7.87
89)		1,2,4-Trichlorob...	0.628	0.629	0.696	0.681	0.736	0.674	6.85
90)		Hexachlorobutadiene	0.276	0.248	0.268	0.271	0.292	0.271	5.89
91)	M	Naphthalene	2.002	2.210	2.248	2.126	2.192	2.156	4.49
92)		1,2,3-Trichlorob...	0.610	0.630	0.689	0.681	0.727	0.667	7.07

(#) = Out of Range