Response Factor Report MSVOA_X

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 624X071423W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Fri Jul 14 04:32:22 2023
Response Via : Initial Calibration

Calibration Files
5 =VX036524.D 20 =VX036525.D 50 =VX036526.D 100 =VX036527.D 150 =VX036528.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	1.309	1.741	1.532	1.620	2.178	1.676	19.20
3)	M	Chloromethane	2.095	2.211	2.247	2.271	2.642	2.293	9.01
4)	M	Vinyl Chloride	2.092	2.389	2.249	2.270	2.824	2.365	11.75
5)	M	Bromomethane	2.517	2.402	2.278	2.328	2.584	2.422	5.28
6)	M	Chloroethane	1.336	1.580	1.550	1.711	1.871	1.610	12.34
7)	M	Trichlorofluorom...	3.542	3.901	3.584	3.779	4.375	3.836	8.72
8)	T	Diethyl Ether	1.438	1.406	1.570	1.705	1.852	1.594	11.69
9)		1,1,2-Trichlorot...	1.616	1.681	1.557	1.649	2.183	1.737	14.58
10)	M	1,1-Dichloroethene	1.544	1.680	1.682	1.753	2.119	1.756	12.34
11)		Methyl Iodide	1.158	1.662	2.126	2.319	2.737	2.001	30.46
12)		Methyl Acetate	3.715	3.779	4.058	4.281	4.800	4.127	10.65
13)	M	Acrolein	0.289	0.282	0.311	0.362	0.449	0.339	20.41
14)	M	Acrylonitrile	1.032	1.058	1.145	1.191	1.358	1.157	11.20
15)	M	Acetone	0.308	0.302	0.313	0.340	0.375	0.327	9.20
16)	M	Carbon Disulfide	3.468	3.918	3.985	4.322	5.604	4.259	19.03
17)		Allyl chloride	2.793	2.829	3.058	3.256	3.634	3.114	11.10
18)	M	Methylene Chloride	1.997	1.890	2.049	2.178	2.456	2.114	10.29
19)	M	trans-1,2-Dichlo...	1.689	1.792	1.856	1.953	2.305	1.919	12.31
20)	T	Diisopropyl ether	5.616	5.819	6.316	6.645	7.340	6.347	10.82
21)	M	1,1-Dichloroethane	3.305	3.415	3.621	3.828	4.333	3.701	10.98
22)	M	cis-1,2-Dichloro...	2.035	2.155	2.242	2.404	2.712	2.309	11.35
23)	M	tert-Butyl Alcohol	0.490	0.474	0.510	0.559	0.652	0.537	13.36
24)	M	Methyl tert-Buty...	5.667	5.766	6.384	6.685	7.419	6.384	11.23
25)	M	Chloroform	3.439	3.552	3.762	3.931	4.445	3.826	10.32
26)		Cyclohexane	2.566	2.837	2.530	2.709	3.553	2.839	14.70
27)	s	1,2-Dichloroetha...	2.360	2.416	2.505	2.591	2.578	2.490	4.04
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.413	0.444	0.428	0.444	0.532	0.452	10.26
30)	M	2-Butanone	0.282	0.268	0.277	0.287	0.311	0.285	5.65
31)		2,2-Dichloropropane	0.445	0.461	0.474	0.510	0.590	0.496	11.67
32)	M	1,1,1-Trichloroe...	0.480	0.524	0.523	0.535	0.626	0.538	9.98
33)	M	Carbon Tetrachlo...	0.412	0.440	0.436	0.454	0.551	0.459	11.71
34)	M	Benzene	1.361	1.322	1.364	1.399	1.527	1.394	5.65
35)		Methacrylonitrile	0.294	0.272	0.290	0.297	0.325	0.296	6.55
36)	M	1,2-Dichloroethane	0.552	0.496	0.520	0.534	0.576	0.535	5.71
37)	M	Trichloroethene	0.345	0.347	0.360	0.362	0.420	0.367	8.31
38)		Methylcyclohexane	0.496	0.526	0.473	0.485	0.651	0.526	13.79
39)	M	1,2-Dichloropropane	0.374	0.350	0.368	0.382	0.416	0.378	6.47
40)		Dibromomethane	0.279	0.248	0.267	0.277	0.298	0.274	6.67
41)	M	Bromodichloromet...	0.454	0.450	0.486	0.521	0.574	0.497	10.37
42)	M	Vinyl Acetate	0.812	0.790	0.864	0.884	0.951	0.860	7.37
43)		Ethyl Acetate	0.564	0.505	0.551	0.554	0.599	0.554	6.09
44)		Isopropyl Acetate	0.831	0.818	0.878	0.906	0.989	0.884	7.71
45)	T	1,4-Dioxane	0.010	0.009	0.010	0.010	0.011	0.010	8.48
46)		Methyl methacrylate	0.398	0.379	0.422	0.438	0.477	0.423	8.95
47)		n-amyl Acetate	0.657	0.680	0.746	0.781	0.885	0.750	12.07
48)	M	t-1,3-Dichloropr...	0.479	0.482	0.545	0.579	0.640	0.545	12.51
49)	T	cis-1,3-Dichloro...	0.519	0.537	0.592	0.614	0.681	0.589	10.94
50)	M	1,1,2-Trichloroe...	0.372	0.350	0.362	0.374	0.401	0.372	5.03
51)		Ethyl methacrylate	0.512	0.537	0.593	0.611	0.664	0.584	10.39
52)		1,3-Dichloropropane	0.619	0.594	0.616	0.629	0.678	0.627	4.97
53)	M	Dibromochloromet...	0.331	0.337	0.375	0.396	0.437	0.375	11.67
54)	M	1,2-Dibromoethane	0.367	0.361	0.392	0.398	0.433	0.390	7.34
55)	M	2-Chloroethyl vi...	0.290	0.297	0.303	0.330	0.349	0.314	8.00
56)	M	Bromoform	0.209	0.228	0.263	0.280	0.325	0.261	17.42

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57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.599	0.589	0.612	0.622	0.680	0.620	5.73
59)	M	2-Hexanone	0.444	0.445	0.467	0.474	0.529	0.472	7.32
60)	S	4-Bromofluoroben...	0.481	0.489	0.476	0.489	0.499	0.487	1.81
61)	M	Tetrachloroethene	0.361	0.355	0.343	0.343	0.395	0.359	5.97
62)	M	Toluene	1.636	1.620	1.634	1.670	1.857	1.683	5.88
63)	S	Toluene-d8	1.400	1.394	1.380	1.364	1.365	1.380	1.18
64)	M	Chlorobenzene	1.010	0.993	1.034	1.040	1.163	1.048	6.39
65)		1,1,1,2-Tetrachl...	0.336	0.352	0.379	0.393	0.432	0.378	9.88
66)	M	Ethyl Benzene	1.711	1.761	1.784	1.825	2.066	1.829	7.57
67)	M	m/p-Xylenes	0.667	0.688	0.691	0.710	0.810	0.713	7.91
68)	M	o-Xylene	0.660	0.682	0.690	0.705	0.802	0.708	7.81
69)	M	Styrene	1.017	1.093	1.129	1.168	1.331	1.148	10.15
70)		Isopropylbenzene	1.619	1.720	1.703	1.743	2.029	1.763	8.86
71)	M	1,1,2,2-Tetrachl...	0.636	0.595	0.625	0.633	0.728	0.643	7.75
72)		1,2,3-Trichlorop...	0.567	0.557	0.592	0.603	0.661	0.596	6.86
73)		Bromobenzene	0.409	0.407	0.429	0.438	0.496	0.436	8.32
74)		n-propylbenzene	1.878	1.997	1.993	2.061	2.446	2.075	10.49
75)		2-Chlorotoluene	1.179	1.236	1.213	1.251	1.430	1.262	7.76
76)		1,3,5-Trimethylb...	1.367	1.475	1.456	1.506	1.769	1.515	9.99
77)		t-1,4-Dichloro-2...	0.142	0.166	0.195	0.220	0.255	0.196	22.60
78)		4-Chlorotoluene	1.299	1.359	1.379	1.456	1.689	1.437	10.57
79)		tert-butylbenzene	1.309	1.379	1.360	1.407	1.733	1.438	11.75
80)		1,2,4-Trimethylb...	1.374	1.435	1.454	1.505	1.738	1.501	9.35
81)		sec-Butylbenzene	1.612	1.794	1.700	1.755	2.188	1.810	12.27
82)		p-Isopropyltoluene	1.321	1.476	1.434	1.479	1.818	1.506	12.37
83)	M	1,3-Dichlorobenzene	0.752	0.770	0.778	0.813	0.941	0.811	9.37
84)	M	1,4-Dichlorobenzene	0.750	0.753	0.782	0.809	0.944	0.808	9.91
85)		n-Butylbenzene	1.138	1.303	1.280	1.368	1.765	1.371	17.21
86)	T	Hexachloroethane	0.189	0.220	0.242	0.262	0.333	0.249	21.77
87)	M	1,2-Dichlorobenzene	0.754	0.758	0.784	0.812	0.957	0.813	10.33
88)		1,2-Dibromo-3-Ch...	0.114	0.132	0.142	0.156	0.179	0.145	17.12
89)		1,2,4-Trichlorob...	0.452	0.470	0.499	0.516	0.627	0.513	13.34
90)		Hexachlorobutadiene	0.160	0.189	0.171	0.169	0.242	0.186	17.81
91)	M	Naphthalene	1.529	1.657	1.781	1.875	2.153	1.799	13.16
92)		1,2,3-Trichlorob...	0.480	0.484	0.491	0.518	0.614	0.518	10.80

(#) = Out of Range