Response Factor Report MSVOA_N

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N111021W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Wed Nov 10 14:36:17 2021
Response Via : Initial Calibration

Calibration Files
5 =VN069436.D 20 =VN069437.D 50 =VN069438.D 100 =VN069439.D 150 =VN069440.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	1.501	2.569	2.418	2.308	2.287	2.217	18.73
3)	M	Chloromethane	1.875	2.594	2.441	2.349	2.298	2.311	11.63
4)	M	Vinyl Chloride	1.863	2.625	2.540	2.367	2.324	2.344	12.62
5)	M	Bromomethane	1.433	1.687	1.478	1.449	1.458	1.501	7.01
6)	M	Chloroethane	1.263	1.700	1.609	1.452	1.369	1.479	11.98
7)	M	Trichlorofluorom...	2.920	3.962	3.664	3.368	3.261	3.435	11.56
8)	T	Diethyl Ether	0.970	1.182	1.126	1.067	1.077	1.084	7.23
9)		1,1,2-Trichlorot...	1.379	1.776	1.674	1.562	1.557	1.590	9.34
10)	M	1,1-Dichloroethene	1.252	1.644	1.576	1.502	1.523	1.499	9.93
11)		Methyl Iodide	1.523	2.165	2.250	2.233	2.274	2.089	15.28
12)		Methyl Acetate	3.730	4.716	4.562	4.295	4.285	4.318	8.71
13)	M	Acrolein	0.144	0.115	0.115	0.111	0.109	0.119	12.13
14)	M	Acrylonitrile	1.013	1.218	1.255	1.203	1.201	1.178	8.06
15)	M	Acetone	0.300	0.492	0.444	0.375	0.351	0.393	19.41
16)	M	Carbon Disulfide	2.586	3.876	4.049	4.003	4.222	3.747	17.64
17)		Allyl chloride	2.458	3.351	3.421	3.320	3.382	3.186	12.84
18)	M	Methylene Chloride	1.773	2.043	1.975	1.881	1.877	1.910	5.40
19)	M	trans-1,2-Dichlo...	1.334	1.760	1.755	1.686	1.691	1.645	10.79
20)	T	Diisopropyl ether	5.563	7.231	7.392	7.035	6.918	6.828	10.69
21)	M	1,1-Dichloroethane	2.883	3.719	3.683	3.532	3.502	3.464	9.75
22)	M	cis-1,2-Dichloro...	1.678	2.184	2.169	2.098	2.074	2.040	10.19
23)	M	tert-Butyl Alcohol	0.335	0.411	0.438	0.420	0.445	0.410	10.78
24)	M	Methyl tert-Buty...	4.846	6.406	6.440	6.199	6.149	6.008	11.01
25)	M	Chloroform	3.020	3.862	3.819	3.640	3.567	3.581	9.40
26)		Cyclohexane	2.551	3.563	3.579	3.413	3.336	3.289	12.91
27)	s	1,2-Dichloroetha...	2.728	2.750	2.616	2.489	2.427	2.602	5.48
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.355	0.483	0.489	0.480	0.483	0.458	12.62
30)	M	2-Butanone	0.262	0.354	0.362	0.343	0.336	0.331	12.08
31)		2,2-Dichloropropane	0.365	0.487	0.513	0.526	0.530	0.484	14.17
32)	M	1,1,1-Trichloroe...	0.420	0.546	0.565	0.567	0.575	0.535	12.11
33)	M	Carbon Tetrachlo...	0.322	0.450	0.471	0.479	0.486	0.442	15.49
34)	M	Benzene	1.118	1.465	1.485	1.453	1.443	1.393	11.08
35)		Methacrylonitrile	0.247	0.299	0.317	0.328	0.329	0.304	11.21
36)	M	1,2-Dichloroethane	0.448	0.570	0.562	0.555	0.549	0.537	9.35
37)	M	Trichloroethene	0.268	0.343	0.354	0.357	0.361	0.336	11.55
38)		Methylcyclohexane	0.431	0.584	0.605	0.605	0.608	0.567	13.48
39)	M	1,2-Dichloropropane	0.294	0.382	0.395	0.389	0.384	0.369	11.37
40)		Dibromomethane	0.202	0.253	0.263	0.259	0.259	0.247	10.36
41)	M	Bromodichloromet...	0.339	0.457	0.500	0.509	0.514	0.464	15.85
42)	M	Vinyl Acetate	0.698	0.948	1.008	1.018	1.012	0.937	14.54
43)		Ethyl Acetate	0.553	0.604	0.645	0.637	0.633	0.614	6.14
44)		Isopropyl Acetate	0.728	0.965	1.024	1.031	1.040	0.958	13.75
45)	T	1,4-Dioxane	0.006	0.008	0.008	0.008	0.009	0.008#	14.20
46)		Methyl methacrylate	0.331	0.437	0.474	0.478	0.486	0.441	14.60
47)		n-amyl Acetate	0.461	0.668	0.800	0.857	0.892	0.735	23.88
48)	M	t-1,3-Dichloropr...	0.306	0.472	0.541	0.574	0.595	0.498	23.46
49)	T	cis-1,3-Dichloro...	0.359	0.527	0.588	0.610	0.623	0.541	20.02
50)	M	1,1,2-Trichloroe...	0.281	0.355	0.375	0.371	0.372	0.351	11.40
51)		Ethyl methacrylate	0.423	0.564	0.634	0.649	0.671	0.588	17.11
52)		1,3-Dichloropropane	0.484	0.624	0.645	0.639	0.637	0.606	11.31
53)	M	Dibromochloromet...	0.212	0.314	0.367	0.386	0.397	0.335	22.62
54)	M	1,2-Dibromoethane	0.266	0.364	0.390	0.397	0.401	0.363	15.51
55)	M	2-Chloroethyl vi...	0.100	0.115	0.136	0.156	0.161	0.134	19.28
56)	M	Bromoform	0.133	0.209	0.261	0.289	0.310	0.240	29.45

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57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.551	0.686	0.721	0.698	0.637	0.659	10.27
59)	M	2-Hexanone	0.395	0.519	0.541	0.530	0.520	0.501	11.91
60)	S	4-Bromofluoroben...	0.428	0.473	0.485	0.502	0.512	0.480	6.83
61)	M	Tetrachloroethene	0.277	0.342	0.340	0.329	0.321	0.322	8.22
62)	M	Toluene	1.371	1.762	1.749	1.712	1.649	1.649	9.79
63)	S	Toluene-d8	1.436	1.418	1.383	1.358	1.330	1.385	3.11
64)	M	Chlorobenzene	0.814	1.023	1.041	1.039	1.028	0.989	9.91
65)		1,1,1,2-Tetrachl...	0.251	0.358	0.380	0.380	0.372	0.348	15.86
66)	M	Ethyl Benzene	1.421	1.921	1.962	1.931	1.888	1.825	12.44
67)	M	m/p-Xylenes	0.509	0.716	0.724	0.725	0.714	0.678	13.93
68)	M	o-Xylene	0.505	0.717	0.720	0.727	0.723	0.679	14.29
69)	M	Styrene	0.752	1.122	1.184	1.213	1.229	1.100	18.09
70)		Isopropylbenzene	1.316	1.849	1.909	1.912	1.888	1.775	14.51
71)	M	1,1,2,2-Tetrachl...	0.471	0.601	0.632	0.626	0.598	0.586	11.22
72)		1,2,3-Trichlorop...	0.468	0.572	0.627	0.599	0.587	0.570	10.70
73)		Bromobenzene	0.308	0.410	0.435	0.445	0.447	0.409	14.31
74)		n-propylbenzene	1.446	2.101	2.192	2.226	2.226	2.038	16.42
75)		2-Chlorotoluene	0.923	1.279	1.320	1.338	1.344	1.241	14.46
76)		1,3,5-Trimethylb...	1.051	1.516	1.568	1.577	1.571	1.457	15.66
77)		t-1,4-Dichloro-2...	0.077	0.129	0.168	0.193	0.203	0.154	33.67
78)		4-Chlorotoluene	0.851	1.198	1.272	1.300	1.319	1.188	16.32
79)		tert-butylbenzene	0.953	1.290	1.377	1.393	1.394	1.281	14.72
80)		1,2,4-Trimethylb...	1.017	1.475	1.535	1.545	1.532	1.421	16.02
81)		sec-Butylbenzene	1.235	1.833	1.946	1.977	1.973	1.793	17.70
82)		p-Isopropyltoluene	0.963	1.427	1.557	1.597	1.608	1.430	18.96
83)	M	1,3-Dichlorobenzene	0.486	0.697	0.761	0.782	0.772	0.699	17.69
84)	M	1,4-Dichlorobenzene	0.473	0.674	0.740	0.756	0.750	0.679	17.63
85)		n-Butylbenzene	0.770	1.117	1.290	1.384	1.409	1.194	22.07
86)	T	Hexachloroethane	0.135	0.218	0.259	0.283	0.289	0.237	26.79
87)	M	1,2-Dichlorobenzene	0.492	0.689	0.735	0.739	0.720	0.675	15.40
88)		1,2-Dibromo-3-Ch...	0.067	0.093	0.112	0.120	0.121	0.103	22.01
89)		1,2,4-Trichlorob...	0.217	0.282	0.344	0.382	0.393	0.324	22.81
90)		Hexachlorobutadiene	0.125	0.175	0.193	0.196	0.186	0.175	16.71
91)	M	Naphthalene	0.636	0.748	0.978	1.119	1.181	0.932	25.18
92)		1,2,3-Trichlorob...	0.223	0.280	0.340	0.370	0.378	0.318	20.72

(#) = Out of Range