Response Factor Report MSVOA_N

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N102221W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Fri Oct 22 13:15:19 2021
Response Via : Initial Calibration

Calibration Files
5 =VN069127.D 20 =VN069128.D 50 =VN069129.D 100 =VN069130.D 150 =VN069131.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	1.553	2.111	2.108	2.116	2.030	1.984	12.26
3)	M	Chloromethane	1.736	2.172	2.252	2.150	2.001	2.062	9.88
4)	M	Vinyl Chloride	1.989	2.582	2.759	2.574	2.387	2.458	11.93
5)	M	Bromomethane	1.504	1.872	1.637	1.613	1.435	1.612	10.34
6)	M	Chloroethane	1.345	1.883	1.675	1.599	1.465	1.593	12.90
7)	M	Trichlorofluorom...	2.722	3.408	3.357	3.311	3.117	3.183	8.80
8)	T	Diethyl Ether	0.998	1.223	1.171	1.154	1.089	1.127	7.69
9)		1,1,2-Trichlorot...	1.525	1.836	1.822	1.776	1.687	1.729	7.42
10)	M	1,1-Dichloroethene	1.524	1.775	1.746	1.740	1.651	1.687	6.06
11)		Methyl Iodide	1.887	2.363	2.541	2.597	2.474	2.372	12.01
12)		Methyl Acetate	3.075	3.371	3.281	3.259	3.082	3.213	4.06
13)	M	Acrolein	0.242	0.193	0.187	0.174	0.171	0.194	14.80
14)	M	Acrylonitrile	0.757	0.955	0.963	0.966	0.918	0.912	9.68
15)	M	Acetone	0.230	0.347	0.308	0.285	0.255	0.285	16.03
16)	M	Carbon Disulfide	3.799	4.616	4.753	4.854	4.647	4.534	9.30
17)		Allyl chloride	2.524	3.032	3.059	3.028	2.885	2.906	7.71
18)	M	Methylene Chloride	1.858	2.104	2.076	2.048	1.939	2.005	5.14
19)	M	trans-1,2-Dichlo...	1.600	1.907	1.930	1.908	1.814	1.832	7.48
20)	T	Diisopropyl ether	5.324	6.414	6.686	6.490	6.120	6.207	8.60
21)	M	1,1-Dichloroethane	3.024	3.639	3.654	3.597	3.407	3.464	7.65
22)	M	cis-1,2-Dichloro...	1.949	2.283	2.317	2.281	2.150	2.196	6.93
23)	M	tert-Butyl Alcohol	0.320	0.386	0.397	0.395	0.372	0.374	8.46
24)	M	Methyl tert-Buty...	5.576	6.647	6.786	6.682	6.307	6.400	7.72
25)	M	Chloroform	3.159	3.886	3.953	3.863	3.649	3.702	8.75
26)		Cyclohexane	2.847	3.329	3.380	3.310	3.088	3.191	6.98
27)	s	1,2-Dichloroetha...	2.412	2.347	2.342	2.301	2.282	2.337	2.15
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.391	0.481	0.501	0.506	0.482	0.472	9.87
30)	M	2-Butanone	0.174	0.244	0.247	0.243	0.225	0.227	13.45
31)		2,2-Dichloropropane	0.469	0.586	0.601	0.600	0.573	0.566	9.80
32)	M	1,1,1-Trichloroe...	0.477	0.599	0.628	0.631	0.604	0.587	10.83
33)	M	Carbon Tetrachlo...	0.387	0.505	0.540	0.543	0.519	0.499	12.89
34)	M	Benzene	1.187	1.458	1.491	1.493	1.419	1.410	9.09
35)		Methacrylonitrile	0.182	0.223	0.240	0.245	0.240	0.226	11.47
36)	M	1,2-Dichloroethane	0.424	0.515	0.545	0.541	0.519	0.509	9.69
37)	M	Trichloroethene	0.302	0.366	0.377	0.382	0.365	0.358	8.98
38)		Methylcyclohexane	0.516	0.615	0.632	0.637	0.605	0.601	8.17
39)	M	1,2-Dichloropropane	0.295	0.375	0.382	0.381	0.364	0.359	10.26
40)		Dibromomethane	0.208	0.255	0.268	0.268	0.258	0.251	10.02
41)	M	Bromodichloromet...	0.387	0.506	0.540	0.550	0.527	0.502	13.24
42)	M	Vinyl Acetate	0.637	0.821	0.864	0.880	0.843	0.809	12.17
43)		Ethyl Acetate	0.313	0.464	0.482	0.492	0.460	0.442	16.58
44)		Isopropyl Acetate	0.704	0.843	0.874	0.854	0.819	0.819	8.20
45)	T	1,4-Dioxane	0.005	0.007	0.007	0.007	0.007	0.007#	12.70
46)		Methyl methacrylate	0.302	0.350	0.403	0.404	0.392	0.370	11.86
47)		n-amyl Acetate	0.507	0.672	0.752	0.791	0.754	0.695	16.39
48)	M	t-1,3-Dichloropr...	0.431	0.584	0.622	0.646	0.622	0.581	14.96
49)	T	cis-1,3-Dichloro...	0.469	0.605	0.651	0.663	0.637	0.605	13.09
50)	M	1,1,2-Trichloroe...	0.301	0.366	0.383	0.384	0.370	0.361	9.56
51)		Ethyl methacrylate	0.453	0.602	0.638	0.651	0.629	0.595	13.65
52)		1,3-Dichloropropane	0.497	0.622	0.647	0.647	0.621	0.607	10.34
53)	M	Dibromochloromet...	0.283	0.379	0.417	0.431	0.416	0.385	15.67
54)	M	1,2-Dibromoethane	0.296	0.381	0.407	0.408	0.393	0.377	12.36
55)	M	2-Chloroethyl vi...	0.161	0.180	0.194	0.208	0.202	0.189	10.04
56)	M	Bromoform	0.182	0.264	0.299	0.324	0.319	0.278	21.08

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57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.416	0.532	0.536	0.534	0.513	0.506	10.12
59)	M	2-Hexanone	0.307	0.410	0.406	0.403	0.385	0.382	11.28
60)	S	4-Bromofluoroben...	0.476	0.503	0.516	0.533	0.544	0.514	5.20
61)	M	Tetrachloroethene	0.287	0.338	0.346	0.339	0.319	0.326	7.36
62)	M	Toluene	1.533	1.834	1.831	1.818	1.722	1.747	7.35
63)	S	Toluene-d8	1.375	1.375	1.357	1.336	1.335	1.355	1.46
64)	M	Chlorobenzene	0.898	1.094	1.109	1.126	1.073	1.060	8.72
65)		1,1,1,2-Tetrachl...	0.324	0.405	0.419	0.421	0.402	0.394	10.19
66)	M	Ethyl Benzene	1.660	2.038	2.078	2.071	1.977	1.965	8.91
67)	M	m/p-Xylenes	0.612	0.770	0.779	0.783	0.750	0.739	9.76
68)	M	o-Xylene	0.618	0.757	0.775	0.791	0.758	0.740	9.40
69)	M	Styrene	0.947	1.230	1.299	1.349	1.304	1.226	13.18
70)		Isopropylbenzene	1.560	1.984	2.062	2.092	1.998	1.939	11.17
71)	M	1,1,2,2-Tetrachl...	0.448	0.602	0.605	0.609	0.577	0.568	12.03
72)		1,2,3-Trichlorop...	0.392	0.465	0.517	0.568	0.500	0.488	13.43
73)		Bromobenzene	0.347	0.447	0.468	0.474	0.461	0.440	11.95
74)		n-propylbenzene	1.742	2.257	2.368	2.433	2.336	2.227	12.51
75)		2-Chlorotoluene	1.101	1.397	1.432	1.477	1.411	1.364	10.98
76)		1,3,5-Trimethylb...	1.297	1.657	1.718	1.748	1.663	1.616	11.31
77)		t-1,4-Dichloro-2...	0.122	0.186	0.209	0.222	0.215	0.191	21.29
78)		4-Chlorotoluene	1.051	1.333	1.413	1.465	1.420	1.337	12.44
79)		tert-butylbenzene	1.134	1.464	1.492	1.548	1.458	1.419	11.52
80)		1,2,4-Trimethylb...	1.273	1.627	1.690	1.711	1.632	1.587	11.29
81)		sec-Butylbenzene	1.565	2.019	2.107	2.171	2.072	1.987	12.19
82)		p-Isopropyltoluene	1.251	1.620	1.717	1.799	1.715	1.621	13.34
83)	M	1,3-Dichlorobenzene	0.608	0.768	0.819	0.854	0.819	0.774	12.59
84)	M	1,4-Dichlorobenzene	0.586	0.742	0.798	0.843	0.798	0.754	13.32
85)		n-Butylbenzene	0.998	1.311	1.434	1.547	1.487	1.355	16.07
86)	T	Hexachloroethane	0.213	0.301	0.326	0.344	0.333	0.303	17.45
87)	M	1,2-Dichlorobenzene	0.595	0.747	0.781	0.811	0.764	0.739	11.39
88)		1,2-Dibromo-3-Ch...	0.077	0.107	0.112	0.119	0.115	0.106	16.03
89)		1,2,4-Trichlorob...	0.287	0.350	0.388	0.424	0.415	0.373	15.10
90)		Hexachlorobutadiene	0.166	0.197	0.205	0.209	0.197	0.195	8.62
91)	M	Naphthalene	0.866	0.988	1.106	1.228	1.204	1.078	14.06
92)		1,2,3-Trichlorob...	0.277	0.340	0.366	0.407	0.391	0.356	14.36

(#) = Out of Range