Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N072325W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Thu Jul 24 05:11:26 2025
Response Via : Initial Calibration

Calibration Files
5 =VN087405.D 20 =VN087400.D 50 =VN087401.D 100 =VN087402.D 150 =VN087403.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	1.651	1.807	1.975	1.867	1.879	1.836	6.52
3)	M	Chloromethane	1.698	1.780	1.851	1.877	1.910	1.823	4.63
4)	M	Vinyl Chloride	1.890	1.838	2.117	2.094	2.109	2.009	6.69
5)	M	Bromomethane	1.521	1.089	1.156	1.158	1.294	1.243	13.84
6)	M	Chloroethane	1.559	1.541	1.612	1.524	1.486	1.544	3.01
7)	M	Trichlorofluorom...	3.524	3.401	3.659	3.338	3.164	3.417	5.49
8)	T	Diethyl Ether	1.449	1.312	1.360	1.356	1.324	1.360	3.95
9)		1,1,2-Trichlorot...	2.035	1.775	1.884	1.718	1.643	1.811	8.45
10)	M	1,1-Dichloroethene	2.242	1.762	1.949	1.756	1.692	1.880	11.89
11)		Methyl Iodide	1.077	0.906	1.430	1.695	1.750	1.372	27.15
12)		Methyl Acetate	2.515	2.242	2.436	2.521	2.514	2.446	4.87
13)	M	Acrolein	0.531	0.356	0.434	0.448	0.453	0.445	14.03
14)	M	Acrylonitrile	1.064	0.983	1.158	1.196	1.183	1.117	8.13
15)	M	Acetone	0.479	0.383	0.401	0.367	0.342	0.394	13.14
16)	M	Carbon Disulfide	5.406	4.603	4.995	4.693	4.582	4.856	7.19
17)		Allyl chloride	2.464	2.252	2.676	2.738	2.749	2.576	8.33
18)	M	Methylene Chloride	2.055	1.915	1.937	1.845	1.763	1.903	5.73
19)	M	trans-1,2-Dichlo...	1.952	1.746	1.896	1.837	1.801	1.846	4.36
20)	T	Diisopropyl ether	5.660	5.650	6.774	7.323	7.159	6.513	12.41
21)	M	1,1-Dichloroethane	3.471	3.262	3.575	3.582	3.504	3.479	3.74
22)	M	cis-1,2-Dichloro...	2.116	1.984	2.283	2.238	2.194	2.163	5.44
23)	M	tert-Butyl Alcohol	0.431	0.342	0.371	0.384	0.385	0.383	8.37
24)	M	Methyl tert-Buty...	5.625	5.430	6.332	6.575	6.419	6.076	8.44
25)	M	Chloroform	3.990	3.640	3.919	3.801	3.700	3.810	3.83
26)		Cyclohexane	2.333	2.214	2.748	2.814	2.858	2.593	11.48
27)	s	1,2-Dichloroetha...	2.471	2.510	2.501	2.439	2.449	2.474	1.27
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.469	0.466	0.550	0.546	0.529	0.512	8.14
30)	M	2-Butanone	0.319	0.306	0.363	0.385	0.370	0.349	9.74
31)		2,2-Dichloropropane	0.653	0.635	0.714	0.703	0.655	0.672	5.15
32)	M	1,1,1-Trichloroe...	0.666	0.645	0.707	0.689	0.643	0.670	4.15
33)	M	Carbon Tetrachlo...	0.561	0.558	0.628	0.597	0.565	0.582	5.14
34)	M	Benzene	1.570	1.532	1.727	1.773	1.664	1.653	6.17
35)		Methacrylonitrile	0.297	0.312	0.387	0.441	0.396	0.367	16.51
36)	M	1,2-Dichloroethane	0.613	0.633	0.680	0.693	0.641	0.652	5.11
37)	M	Trichloroethene	0.387	0.354	0.404	0.385	0.357	0.377	5.66
38)		Methylcyclohexane	0.496	0.459	0.582	0.588	0.581	0.541	11.00
39)	M	1,2-Dichloropropane	0.397	0.389	0.434	0.441	0.416	0.415	5.39
40)		Dibromomethane	0.306	0.317	0.327	0.337	0.320	0.321	3.67
41)	M	Bromodichloromet...	0.610	0.625	0.672	0.665	0.617	0.638	4.48
42)	M	Vinyl Acetate	0.937	1.028	1.256	1.367	1.317	1.181	15.93
43)		Ethyl Acetate	0.606	0.664	0.763	0.770	0.745	0.710	10.08
44)		Isopropyl Acetate	0.965	0.985	1.178	1.265	1.210	1.120	12.20
45)	T	1,4-Dioxane	0.006	0.007	0.007	0.007	0.007	0.007	8.30
46)		Methyl methacrylate	0.424	0.439	0.556	0.590	0.570	0.516	15.22
47)		n-amyl Acetate	0.522	0.522	0.561	0.869	0.883	0.671	27.94
48)	M	t-1,3-Dichloropr...	0.591	0.603	0.717	0.767	0.725	0.681	11.62
49)	T	cis-1,3-Dichloro...	0.582	0.640	0.719	0.743	0.719	0.681	9.90
50)	M	1,1,2-Trichloroe...	0.395	0.397	0.433	0.440	0.410	0.415	4.95
51)		Ethyl methacrylate	0.437	0.552	0.675	0.773	0.736	0.635	21.86
52)		1,3-Dichloropropane	0.678	0.657	0.743	0.763	0.726	0.713	6.21
53)	M	Dibromochloromet...	0.429	0.464	0.508	0.528	0.503	0.486	8.19
54)	M	1,2-Dibromoethane	0.367	0.407	0.444	0.471	0.437	0.425	9.27
55)	M	2-Chloroethyl vi...	0.258	0.362	0.392	0.381	0.372	0.353	15.39
56)	M	Bromoform	0.295	0.306	0.353	0.398	0.378	0.346	12.93

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57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.634	0.660	0.800	0.809	0.765	0.734	11.06
59)	M	2-Hexanone	0.357	0.436	0.557	0.573	0.552	0.495	19.10
60)	S	4-Bromofluoroben...	0.455	0.475	0.491	0.534	0.547	0.501	7.84
61)	M	Tetrachloroethene	0.349	0.324	0.353	0.333	0.316	0.335	4.73
62)	M	Toluene	1.791	1.666	1.922	1.909	1.848	1.827	5.69
63)	S	Toluene-d8	1.391	1.372	1.398	1.309	1.352	1.364	2.60
64)	M	Chlorobenzene	1.161	1.087	1.215	1.209	1.168	1.168	4.38
65)		1,1,1,2-Tetrachl...	0.421	0.403	0.447	0.448	0.415	0.427	4.71
66)	M	Ethyl Benzene	1.768	1.665	2.160	2.180	2.117	1.978	12.27
67)	M	m/p-Xylenes	0.649	0.693	0.872	0.865	0.834	0.783	13.31
68)	M	o-Xylene	0.663	0.641	0.814	0.827	0.810	0.751	12.12
69)	M	Styrene	1.036	1.112	1.440	1.490	1.454	1.306	16.40
70)		Isopropylbenzene	1.535	1.636	2.059	2.123	2.102	1.891	14.91
71)	M	1,1,2,2-Tetrachl...	0.618	0.623	0.694	0.711	0.680	0.665	6.40
72)		1,2,3-Trichlorop...	0.551	0.538	0.612	0.607	0.664	0.594	8.56
73)		Bromobenzene	0.440	0.441	0.528	0.540	0.511	0.492	9.79
74)		n-propylbenzene	2.029	2.094	2.620	2.654	2.543	2.388	12.63
75)		2-Chlorotoluene	1.227	1.258	1.555	1.609	1.522	1.434	12.43
76)		1,3,5-Trimethylb...	1.355	1.415	1.823	1.866	1.766	1.645	14.64
77)		t-1,4-Dichloro-2...	0.177	0.188	0.251	0.289	0.283	0.238	22.05
78)		4-Chlorotoluene	1.306	1.313	1.701	1.704	1.624	1.530	13.30
79)		tert-butylbenzene	1.174	1.147	1.548	1.592	1.524	1.397	15.57
80)		1,2,4-Trimethylb...	1.318	1.438	1.859	1.936	1.846	1.679	16.71
81)		sec-Butylbenzene	1.672	1.658	2.290	2.289	2.172	2.016	16.07
82)		p-Isopropyltoluene	1.356	1.431	1.947	1.992	1.926	1.730	17.89
83)	M	1,3-Dichlorobenzene	0.897	0.870	1.088	1.089	1.015	0.992	10.45
84)	M	1,4-Dichlorobenzene	0.874	0.848	1.076	1.083	1.014	0.979	11.38
85)		n-Butylbenzene	1.296	1.273	1.807	1.832	1.760	1.594	17.79
86)	T	Hexachloroethane	0.308	0.285	0.370	0.368	0.352	0.337	11.40
87)	M	1,2-Dichlorobenzene	0.825	0.818	1.021	1.033	0.972	0.934	11.25
88)		1,2-Dibromo-3-Ch...	0.159	0.121	0.163	0.171	0.160	0.155	12.58
89)		1,2,4-Trichlorob...	0.468	0.454	0.557	0.616	0.598	0.539	13.75
90)		Hexachlorobutadiene	0.217	0.198	0.232	0.238	0.227	0.222	7.08
91)	M	Naphthalene	1.385	1.389	1.945	2.135	2.110	1.793	21.05
92)		1,2,3-Trichlorob...	0.468	0.454	0.557	0.616	0.598	0.539	13.75

(#) = Out of Range