Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N090425W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Fri Sep 05 03:29:53 2025
Response Via : Initial Calibration

Calibration Files
5 =VN087725.D 20 =VN087726.D 50 =VN087727.D 100 =VN087728.D 150 =VN087729.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	1.642	1.750	2.035	2.008	1.888	1.865	9.01
3)	M	Chloromethane	1.939	1.792	2.026	2.037	1.992	1.957	5.12
4)	M	Vinyl Chloride	2.110	2.001	2.388	2.315	2.249	2.213	7.09
5)	M	Bromomethane	1.293	1.108	1.325	1.377	1.387	1.298	8.72
6)	M	Chloroethane	1.599	1.358	1.577	1.521	1.506	1.512	6.25
7)	M	Trichlorofluorom...	3.241	2.904	3.445	3.355	3.271	3.243	6.34
8)	T	Diethyl Ether	1.457	1.168	1.441	1.379	1.403	1.370	8.52
9)		1,1,2-Trichlorot...	1.776	1.591	1.904	1.779	1.733	1.757	6.40
10)	M	1,1-Dichloroethene	1.836	1.575	1.915	1.883	1.846	1.811	7.50
11)		Methyl Iodide	0.809	0.935	1.355	1.579	1.732	1.282	31.21
12)		Methyl Acetate	2.516	2.540	2.953	2.978	2.972	2.792	8.63
13)	M	Acrolein	0.523	0.431	0.496	0.518	0.518	0.497	7.67
14)	M	Acrylonitrile	1.167	1.051	1.253	1.274	1.263	1.202	7.87
15)	M	Acetone	0.487	0.319	0.366	0.355	0.349	0.375	17.29
16)	M	Carbon Disulfide	4.965	4.353	5.190	5.135	5.219	4.972	7.24
17)		Allyl chloride	3.004	2.541	3.014	3.085	3.147	2.958	8.13
18)	M	Methylene Chloride	2.174	1.759	2.150	2.090	2.084	2.052	8.19
19)	M	trans-1,2-Dichlo...	1.709	1.652	1.947	1.965	1.962	1.847	8.31
20)	T	Diisopropyl ether	6.079	5.922	7.317	7.335	7.360	6.802	10.80
21)	M	1,1-Dichloroethane	3.750	3.277	3.899	3.878	3.823	3.725	6.90
22)	M	cis-1,2-Dichloro...	2.078	1.988	2.367	2.370	2.406	2.242	8.64
23)	M	tert-Butyl Alcohol	0.422	0.383	0.436	0.436	0.448	0.425	5.94
24)	M	Methyl tert-Buty...	5.787	5.537	6.897	6.968	7.139	6.466	11.51
25)	M	Chloroform	3.785	3.484	4.143	4.049	4.035	3.899	6.85
26)		Cyclohexane	2.568	2.447	3.169	3.015	2.984	2.837	10.98
27)	s	1,2-Dichloroetha...	2.618	2.509	2.604	2.499	2.583	2.563	2.15
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.462	0.448	0.506	0.516	0.505	0.488	6.20
30)	M	2-Butanone	0.348	0.303	0.339	0.348	0.342	0.336	5.65
31)		2,2-Dichloropropane	0.613	0.495	0.606	0.616	0.609	0.588	8.81
32)	M	1,1,1-Trichloroe...	0.599	0.582	0.635	0.647	0.628	0.618	4.35
33)	M	Carbon Tetrachlo...	0.526	0.466	0.530	0.533	0.522	0.515	5.45
34)	M	Benzene	1.514	1.442	1.630	1.657	1.636	1.576	5.91
35)		Methacrylonitrile	0.313	0.344	0.357	0.377	0.365	0.351	6.95
36)	M	1,2-Dichloroethane	0.595	0.554	0.609	0.618	0.600	0.595	4.15
37)	M	Trichloroethene	0.352	0.323	0.364	0.366	0.357	0.352	4.96
38)		Methylcyclohexane	0.523	0.476	0.561	0.576	0.548	0.537	7.24
39)	M	1,2-Dichloropropane	0.394	0.374	0.407	0.428	0.415	0.404	5.03
40)		Dibromomethane	0.301	0.275	0.307	0.315	0.304	0.300	5.06
41)	M	Bromodichloromet...	0.612	0.570	0.616	0.647	0.624	0.614	4.54
42)	M	Vinyl Acetate	1.035	1.002	1.168	1.220	1.186	1.122	8.64
43)		Ethyl Acetate	0.673	0.647	0.704	0.704	0.703	0.686	3.78
44)		Isopropyl Acetate	0.957	0.995	1.115	1.175	1.137	1.076	8.78
45)	T	1,4-Dioxane	0.006	0.007	0.007	0.007	0.007	0.007	7.51
46)		Methyl methacrylate	0.457	0.443	0.514	0.544	0.521	0.496	8.79
47)		n-amyl Acetate	0.748	0.518	0.763	0.791	0.816	0.727	16.47
48)	M	t-1,3-Dichloropr...	0.594	0.556	0.653	0.696	0.689	0.638	9.53
49)	T	cis-1,3-Dichloro...	0.607	0.566	0.678	0.712	0.702	0.653	9.73
50)	M	1,1,2-Trichloroe...	0.388	0.354	0.399	0.401	0.398	0.388	5.07
51)		Ethyl methacrylate	0.434	0.513	0.662	0.703	0.706	0.604	20.43
52)		1,3-Dichloropropane	0.636	0.623	0.694	0.719	0.695	0.674	6.16
53)	M	Dibromochloromet...	0.420	0.369	0.454	0.468	0.464	0.435	9.54
54)	M	1,2-Dibromoethane	0.386	0.363	0.421	0.423	0.425	0.404	6.91
55)	M	2-Chloroethyl vi...	0.310	0.319	0.339	0.377	0.384	0.346	9.67
56)	M	Bromoform	0.265	0.242	0.289	0.312	0.313	0.284	10.82

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57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.666	0.655	0.734	0.754	0.738	0.709	6.43
59)	M	2-Hexanone	0.334	0.419	0.508	0.533	0.523	0.464	18.40
60)	S	4-Bromofluoroben...	0.454	0.489	0.475	0.501	0.492	0.482	3.78
61)	M	Tetrachloroethene	0.312	0.279	0.297	0.306	0.300	0.299	4.22
62)	M	Toluene	1.705	1.673	1.868	1.935	1.893	1.815	6.50
63)	S	Toluene-d8	1.403	1.411	1.392	1.402	1.369	1.395	1.16
64)	M	Chlorobenzene	1.063	1.006	1.127	1.191	1.182	1.114	7.10
65)		1,1,1,2-Tetrachl...	0.395	0.354	0.399	0.411	0.401	0.392	5.66
66)	M	Ethyl Benzene	1.736	1.744	2.042	2.145	2.122	1.958	10.34
67)	M	m/p-Xylenes	0.629	0.642	0.776	0.800	0.785	0.727	11.50
68)	M	o-Xylene	0.603	0.639	0.731	0.774	0.776	0.705	11.24
69)	M	Styrene	0.997	1.076	1.311	1.375	1.364	1.225	14.33
70)		Isopropylbenzene	1.538	1.555	1.896	1.984	1.960	1.787	12.39
71)	M	1,1,2,2-Tetrachl...	0.616	0.605	0.666	0.670	0.655	0.642	4.63
72)		1,2,3-Trichlorop...	0.672	0.640	0.612	0.625	0.605	0.631	4.26
73)		Bromobenzene	0.429	0.393	0.442	0.464	0.457	0.437	6.40
74)		n-propylbenzene	1.942	2.018	2.404	2.485	2.423	2.254	11.26
75)		2-Chlorotoluene	1.178	1.243	1.456	1.465	1.442	1.357	10.00
76)		1,3,5-Trimethylb...	1.292	1.352	1.616	1.666	1.617	1.509	11.46
77)		t-1,4-Dichloro-2...	0.155	0.182	0.224	0.247	0.257	0.213	20.35
78)		4-Chlorotoluene	1.091	1.260	1.493	1.505	1.490	1.368	13.57
79)		tert-butylbenzene	1.073	1.133	1.357	1.393	1.360	1.263	11.75
80)		1,2,4-Trimethylb...	1.292	1.405	1.677	1.697	1.663	1.547	12.01
81)		sec-Butylbenzene	1.629	1.677	1.986	2.034	1.966	1.858	10.21
82)		p-Isopropyltoluene	1.311	1.361	1.655	1.693	1.637	1.531	11.78
83)	M	1,3-Dichlorobenzene	0.762	0.789	0.888	0.900	0.874	0.843	7.45
84)	M	1,4-Dichlorobenzene	0.778	0.776	0.895	0.908	0.867	0.845	7.52
85)		n-Butylbenzene	1.249	1.282	1.609	1.636	1.583	1.472	12.88
86)	T	Hexachloroethane	0.287	0.286	0.328	0.330	0.324	0.311	7.24
87)	M	1,2-Dichlorobenzene	0.718	0.733	0.839	0.855	0.828	0.795	8.07
88)		1,2-Dibromo-3-Ch...	0.123	0.139	0.146	0.154	0.152	0.143	8.87
89)		1,2,4-Trichlorob...	0.410	0.400	0.471	0.491	0.488	0.452	9.70
90)		Hexachlorobutadiene	0.146	0.146	0.155	0.160	0.152	0.152	3.95
91)	M	Naphthalene	1.306	1.443	1.764	1.891	1.918	1.664	16.54
92)		1,2,3-Trichlorob...	0.410	0.400	0.471	0.491	0.488	0.452	9.70

(#) = Out of Range