Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N052925W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Fri May 30 02:22:52 2025
Response Via : Initial Calibration

Calibration Files
5 =VN086806.D 20 =VN086807.D 50 =VN086808.D 100 =VN086809.D 150 =VN086810.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	1.825	2.131	2.073	2.025	2.134	2.038	6.24
3)	M	Chloromethane	2.658	2.720	2.569	2.499	2.690	2.627	3.47
4)	M	Vinyl Chloride	2.355	2.480	2.402	2.383	2.468	2.418	2.25
5)	M	Bromomethane	1.471	1.334	1.232	1.178	1.190	1.281	9.59
6)	M	Chloroethane	1.507	1.531	1.464	1.421	1.470	1.479	2.88
7)	M	Trichlorofluorom...	2.845	2.865	2.812	2.737	2.898	2.832	2.17
8)	T	Diethyl Ether	1.189	1.170	1.164	1.153	1.230	1.181	2.55
9)		1,1,2-Trichlorot...	1.712	1.766	1.735	1.698	1.765	1.735	1.76
10)	M	1,1-Dichloroethene	1.733	1.758	1.756	1.733	1.866	1.769	3.14
11)		Methyl Iodide	2.016	2.040	2.034	2.066	2.272	2.086	5.06
12)		Methyl Acetate	1.883	1.953	1.941	1.942	2.105	1.965	4.21
13)	M	Acrolein	0.173	0.197	0.225	0.219	0.201	0.203	10.05
14)	M	Acrylonitrile	0.898	0.921	0.908	0.896	0.949	0.914	2.40
15)	M	Acetone	0.236	0.235	0.228	0.223	0.235	0.232	2.48
16)	M	Carbon Disulfide	5.052	5.191	5.135	5.036	5.408	5.164	2.91
17)		Allyl chloride	2.618	2.640	2.596	2.556	2.731	2.628	2.47
18)	M	Methylene Chloride	2.201	2.075	1.990	1.936	2.070	2.055	4.90
19)	M	trans-1,2-Dichlo...	1.798	1.873	1.851	1.816	1.920	1.851	2.60
20)	T	Diisopropyl ether	5.696	6.025	5.812	5.605	5.805	5.789	2.72
21)	M	1,1-Dichloroethane	3.528	3.575	3.470	3.371	3.523	3.493	2.23
22)	M	cis-1,2-Dichloro...	2.220	2.248	2.210	2.191	2.341	2.242	2.62
23)	M	tert-Butyl Alcohol	0.272	0.299	0.295	0.291	0.312	0.294	4.94
24)	M	Methyl tert-Buty...	5.624	5.855	5.808	5.775	6.091	5.831	2.90
25)	M	Chloroform	3.587	3.452	3.332	3.283	3.442	3.419	3.46
26)		Cyclohexane	2.951	3.046	2.999	2.969	3.152	3.023	2.65
27)	s	1,2-Dichloroetha...	2.095	2.082	2.062	2.007	2.060	2.061	1.63
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.426	0.444	0.442	0.442	0.452	0.441	2.09
30)	M	2-Butanone	0.191	0.196	0.194	0.192	0.194	0.193	1.08
31)		2,2-Dichloropropane	0.539	0.532	0.520	0.508	0.505	0.521	2.86
32)	M	1,1,1-Trichloroe...	0.517	0.519	0.509	0.503	0.508	0.511	1.32
33)	M	Carbon Tetrachlo...	0.428	0.441	0.442	0.434	0.440	0.437	1.37
34)	M	Benzene	1.425	1.461	1.438	1.412	1.440	1.435	1.29
35)		Methacrylonitrile	0.221	0.233	0.220	0.218	0.218	0.222	2.91
36)	M	1,2-Dichloroethane	0.433	0.429	0.417	0.413	0.411	0.421	2.38
37)	M	Trichloroethene	0.420	0.393	0.390	0.385	0.403	0.398	3.48
38)		Methylcyclohexane	0.444	0.484	0.498	0.503	0.519	0.489	5.76
39)	M	1,2-Dichloropropane	0.344	0.354	0.344	0.341	0.345	0.346	1.40
40)		Dibromomethane	0.225	0.228	0.227	0.224	0.227	0.226	0.76
41)	M	Bromodichloromet...	0.467	0.476	0.478	0.465	0.478	0.473	1.30
42)	M	Vinyl Acetate	0.495	0.592	0.578	0.594	0.557	0.563	7.25
43)		Ethyl Acetate	0.411	0.415	0.388	0.382	0.381	0.395	4.17
44)		Isopropyl Acetate	0.663	0.694	0.681	0.678	0.676	0.678	1.61
45)	T	1,4-Dioxane	0.006	0.006	0.006	0.006	0.006	0.006	3.96
46)		Methyl methacrylate	0.293	0.311	0.323	0.318	0.318	0.313	3.86
47)		n-amyl Acetate	0.462	0.559	0.545	0.563	0.594	0.545	9.11
48)	M	t-1,3-Dichloropr...	0.469	0.506	0.511	0.515	0.530	0.506	4.45
49)	T	cis-1,3-Dichloro...	0.543	0.552	0.559	0.557	0.572	0.557	1.91
50)	M	1,1,2-Trichloroe...	0.315	0.320	0.324	0.311	0.321	0.318	1.58
51)		Ethyl methacrylate	0.451	0.508	0.531	0.534	0.554	0.515	7.74
52)		1,3-Dichloropropane	0.569	0.564	0.566	0.556	0.569	0.565	0.93
53)	M	Dibromochloromet...	0.351	0.356	0.358	0.361	0.373	0.360	2.36
54)	M	1,2-Dibromoethane	0.321	0.329	0.323	0.322	0.332	0.325	1.53
55)	M	2-Chloroethyl vi...	0.219	0.239	0.252	0.261	0.267	0.247	7.81
56)	M	Bromoform	0.204	0.226	0.225	0.231	0.247	0.227	6.86

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57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.434	0.457	0.442	0.437	0.431	0.440	2.30
59)	M	2-Hexanone	0.299	0.323	0.317	0.319	0.318	0.315	3.01
60)	S	4-Bromofluoroben...	0.445	0.468	0.472	0.477	0.493	0.471	3.62
61)	M	Tetrachloroethene	0.525	0.503	0.508	0.483	0.502	0.504	2.97
62)	M	Toluene	1.704	1.717	1.680	1.666	1.681	1.690	1.21
63)	S	Toluene-d8	1.401	1.392	1.378	1.371	1.342	1.377	1.63
64)	M	Chlorobenzene	1.097	1.084	1.053	1.062	1.091	1.078	1.76
65)		1,1,1,2-Tetrachl...	0.357	0.352	0.352	0.353	0.356	0.354	0.74
66)	M	Ethyl Benzene	1.686	1.836	1.857	1.853	1.906	1.828	4.56
67)	M	m/p-Xylenes	0.663	0.723	0.726	0.726	0.748	0.717	4.44
68)	M	o-Xylene	0.626	0.695	0.709	0.713	0.732	0.695	5.88
69)	M	Styrene	1.012	1.158	1.184	1.192	1.243	1.158	7.53
70)		Isopropylbenzene	1.486	1.660	1.681	1.692	1.747	1.653	5.98
71)	M	1,1,2,2-Tetrachl...	0.360	0.410	0.389	0.407	0.398	0.393	5.09
72)		1,2,3-Trichlorop...	0.459	0.468	0.452	0.461	0.463	0.461	1.29
73)		Bromobenzene	0.388	0.413	0.406	0.414	0.433	0.411	4.02
74)		n-propylbenzene	1.741	1.965	1.992	2.003	2.090	1.958	6.65
75)		2-Chlorotoluene	1.191	1.262	1.257	1.256	1.318	1.257	3.58
76)		1,3,5-Trimethylb...	1.195	1.374	1.398	1.417	1.493	1.375	8.01
77)		t-1,4-Dichloro-2...	0.169	0.181	0.189	0.198	0.206	0.189	7.61
78)		4-Chlorotoluene	1.141	1.237	1.250	1.270	1.327	1.245	5.42
79)		tert-butylbenzene	1.070	1.177	1.199	1.221	1.276	1.189	6.38
80)		1,2,4-Trimethylb...	1.178	1.383	1.397	1.424	1.520	1.380	9.08
81)		sec-Butylbenzene	1.406	1.613	1.650	1.665	1.766	1.620	8.17
82)		p-Isopropyltoluene	1.111	1.350	1.392	1.430	1.518	1.360	11.21
83)	M	1,3-Dichlorobenzene	0.690	0.732	0.756	0.779	0.812	0.754	6.15
84)	M	1,4-Dichlorobenzene	0.686	0.726	0.754	0.774	0.809	0.750	6.23
85)		n-Butylbenzene	0.932	1.084	1.168	1.217	1.291	1.139	12.10
86)	T	Hexachloroethane	0.208	0.225	0.229	0.240	0.256	0.232	7.70
87)	M	1,2-Dichlorobenzene	0.688	0.713	0.732	0.746	0.755	0.727	3.69
88)		1,2-Dibromo-3-Ch...	0.073	0.080	0.085	0.088	0.089	0.083	7.88
89)		1,2,4-Trichlorob...	0.263	0.279	0.308	0.327	0.344	0.304	10.88
90)		Hexachlorobutadiene	0.134	0.122	0.131	0.132	0.133	0.130	3.89
91)	M	Naphthalene	0.838	0.947	1.086	1.185	1.252	1.062	16.00
92)		1,2,3-Trichlorob...	0.263	0.279	0.308	0.327	0.344	0.304	10.88

(#) = Out of Range