Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N072825W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Mon Jul 28 11:35:47 2025
Response Via : Initial Calibration

Calibration Files
5 =VN087419.D 20 =VN087420.D 50 =VN087421.D 100 =VN087422.D 150 =VN087423.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	1.493	1.818	1.418	1.937	2.086	1.750	16.37
3)	M	Chloromethane	1.791	1.874	1.496	1.974	2.156	1.858	13.14
4)	M	Vinyl Chloride	1.868	1.887	1.513	2.007	2.124	1.880	12.20
5)	M	Bromomethane	0.895	0.897	0.754	0.976	1.062	0.917	12.42
6)	M	Chloroethane	1.050	1.082	0.867	1.122	1.180	1.060	11.18
7)	M	Trichlorofluorom...	2.285	2.321	1.965	2.546	2.709	2.365	11.94
8)	T	Diethyl Ether	0.996	1.009	0.792	1.037	1.102	0.987	11.79
9)		1,1,2-Trichlorot...	1.306	1.282	1.049	1.366	1.449	1.290	11.59
10)	M	1,1-Dichloroethene	1.160	1.306	1.066	1.392	1.493	1.283	13.43
11)		Methyl Iodide	0.648	0.892	0.977	1.560	1.734	1.162	39.82
12)		Methyl Acetate	2.590	2.768	2.292	3.063	3.279	2.798	13.87
13)	M	Acrolein	0.275	0.180	0.157	0.225	0.304	0.228	27.02
14)	M	Acrylonitrile	1.141	1.224	0.974	1.333	1.394	1.213	13.63
15)	M	Acetone	0.319	0.296	0.217	0.278	0.295	0.281	13.69
16)	M	Carbon Disulfide	4.690	4.487	3.743	4.799	5.085	4.561	11.08
17)		Allyl chloride	2.755	3.014	2.435	3.273	3.474	2.990	13.77
18)	M	Methylene Chloride	2.027	1.941	1.563	2.010	2.120	1.932	11.17
19)	M	trans-1,2-Dichlo...	2.012	1.775	1.438	1.885	2.006	1.823	12.96
20)	T	Diisopropyl ether	6.086	6.963	5.642	7.441	7.887	6.804	13.69
21)	M	1,1-Dichloroethane	3.369	3.457	2.831	3.685	3.900	3.448	11.67
22)	M	cis-1,2-Dichloro...	2.269	2.217	1.814	2.338	2.442	2.216	10.82
23)	M	tert-Butyl Alcohol	0.466	0.472	0.380	0.510	0.524	0.470	11.96
24)	M	Methyl tert-Buty...	5.944	6.324	5.265	6.939	7.365	6.367	12.95
25)	M	Chloroform	3.354	3.453	2.887	3.733	3.981	3.481	11.87
26)		Cyclohexane	3.272	3.133	2.590	3.367	3.562	3.185	11.54
27)	s	1,2-Dichloroetha...	2.246	2.272	2.251	2.339	2.362	2.294	2.32
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.417	0.431	0.350	0.450	0.481	0.426	11.47
30)	M	2-Butanone	0.296	0.312	0.254	0.334	0.346	0.309	11.72
31)		2,2-Dichloropropane	0.532	0.543	0.434	0.560	0.585	0.531	10.92
32)	M	1,1,1-Trichloroe...	0.496	0.513	0.424	0.545	0.581	0.512	11.47
33)	M	Carbon Tetrachlo...	0.402	0.427	0.354	0.449	0.479	0.422	11.27
34)	M	Benzene	1.354	1.412	1.148	1.483	1.569	1.393	11.40
35)		Methacrylonitrile	0.342	0.353	0.285	0.384	0.403	0.353	12.77
36)	M	1,2-Dichloroethane	0.442	0.465	0.376	0.503	0.532	0.464	12.92
37)	M	Trichloroethene	0.322	0.318	0.262	0.337	0.351	0.318	10.67
38)		Methylcyclohexane	0.573	0.539	0.456	0.576	0.603	0.549	10.40
39)	M	1,2-Dichloropropane	0.340	0.346	0.295	0.379	0.393	0.351	10.88
40)		Dibromomethane	0.253	0.242	0.206	0.265	0.278	0.249	11.11
41)	M	Bromodichloromet...	0.484	0.486	0.419	0.542	0.572	0.501	11.79
42)	M	Vinyl Acetate	1.024	1.028	0.840	1.179	1.120	1.038	12.36
43)		Ethyl Acetate	0.569	0.679	0.546	0.656	0.713	0.633	11.40
44)		Isopropyl Acetate	0.938	1.010	0.843	1.103	1.159	1.011	12.50
45)	T	1,4-Dioxane	0.006	0.007	0.005	0.007	0.007	0.006	11.99
46)		Methyl methacrylate	0.428	0.450	0.399	0.522	0.553	0.471	13.76
47)		n-amyl Acetate	0.009	0.249	0.403	0.677	0.745	0.417	73.04
48)	M	t-1,3-Dichloropr...	0.527	0.535	0.474	0.624	0.658	0.564	13.40
49)	T	cis-1,3-Dichloro...	0.574	0.564	0.502	0.641	0.679	0.592	11.71
50)	M	1,1,2-Trichloroe...	0.319	0.316	0.277	0.363	0.380	0.331	12.42
51)		Ethyl methacrylate	0.526	0.570	0.509	0.682	0.712	0.600	15.36
52)		1,3-Dichloropropane	0.547	0.536	0.490	0.627	0.662	0.572	12.28
53)	M	Dibromochloromet...	0.357	0.357	0.322	0.421	0.442	0.380	13.07
54)	M	1,2-Dibromoethane	0.333	0.326	0.293	0.385	0.405	0.348	13.04
55)	M	2-Chloroethyl vi...	0.313	0.256	0.206	0.211	0.247	0.247	17.39
56)	M	Bromoform	0.247	0.251	0.225	0.297	0.312	0.267	13.80

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57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.642	0.703	0.571	0.728	0.734	0.676	10.21
59)	M	2-Hexanone	0.399	0.471	0.402	0.531	0.539	0.468	14.40
60)	S	4-Bromofluoroben...	0.484	0.493	0.486	0.505	0.495	0.493	1.72
61)	M	Tetrachloroethene	0.285	0.282	0.238	0.303	0.315	0.285	10.27
62)	M	Toluene	1.674	1.685	1.419	1.814	1.873	1.693	10.33
63)	S	Toluene-d8	1.368	1.381	1.376	1.393	1.371	1.378	0.72
64)	M	Chlorobenzene	1.036	1.039	0.864	1.115	1.151	1.041	10.62
65)		1,1,1,2-Tetrachl...	0.337	0.366	0.298	0.377	0.387	0.353	10.23
66)	M	Ethyl Benzene	1.787	1.887	1.561	1.979	2.036	1.850	10.11
67)	M	m/p-Xylenes	0.687	0.704	0.591	0.736	0.747	0.693	8.95
68)	M	o-Xylene	0.651	0.704	0.570	0.730	0.736	0.678	10.19
69)	M	Styrene	1.093	1.187	0.980	1.260	1.280	1.160	10.72
70)		Isopropylbenzene	1.673	1.783	1.455	1.885	1.912	1.742	10.68
71)	M	1,1,2,2-Tetrachl...	0.581	0.606	0.489	0.642	0.651	0.594	10.94
72)		1,2,3-Trichlorop...	0.454	0.599	0.456	0.598	0.594	0.540	14.44
73)		Bromobenzene	0.403	0.400	0.342	0.438	0.440	0.405	9.80
74)		n-propylbenzene	2.077	2.197	1.818	2.310	2.351	2.151	9.97
75)		2-Chlorotoluene	1.239	1.299	1.071	1.371	1.402	1.276	10.28
76)		1,3,5-Trimethylb...	1.388	1.478	1.220	1.550	1.579	1.443	10.04
77)		t-1,4-Dichloro-2...	0.184	0.223	0.193	0.269	0.277	0.229	18.62
78)		4-Chlorotoluene	1.273	1.348	1.098	1.404	1.429	1.311	10.15
79)		tert-butylbenzene	1.209	1.280	1.063	1.338	1.343	1.247	9.34
80)		1,2,4-Trimethylb...	1.396	1.485	1.219	1.528	1.531	1.432	9.14
81)		sec-Butylbenzene	1.812	1.906	1.575	1.971	1.994	1.852	9.19
82)		p-Isopropyltoluene	1.487	1.578	1.284	1.588	1.578	1.503	8.61
83)	M	1,3-Dichlorobenzene	0.751	0.793	0.660	0.813	0.812	0.766	8.38
84)	M	1,4-Dichlorobenzene	0.802	0.829	0.671	0.844	0.859	0.801	9.47
85)		n-Butylbenzene	1.503	1.537	1.283	1.608	1.637	1.514	9.21
86)	T	Hexachloroethane	0.292	0.313	0.257	0.327	0.338	0.305	10.42
87)	M	1,2-Dichlorobenzene	0.704	0.758	0.642	0.805	0.813	0.745	9.66
88)		1,2-Dibromo-3-Ch...	0.147	0.136	0.108	0.144	0.150	0.137	12.49
89)		1,2,4-Trichlorob...	0.440	0.457	0.375	0.489	0.510	0.454	11.44
90)		Hexachlorobutadiene	0.178	0.172	0.144	0.185	0.186	0.173	9.84
91)	M	Naphthalene	1.629	1.720	1.424	1.868	1.941	1.716	11.90
92)		1,2,3-Trichlorob...	0.440	0.457	0.375	0.489	0.510	0.454	11.44

(#) = Out of Range