Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N080123W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Wed Aug 02 04:51:47 2023
Response Via : Initial Calibration

Calibration Files
5 =VN078717.D 20 =VN078715.D 50 =VN078714.D 75 =VN078719.D 10 =VN078716.D

		Compound	5	20	50	75	10	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	2.236	1.683	2.058	1.613	1.872	1.892	13.69
3)	M	Chloromethane	2.527	2.350	2.574	1.963	2.233	2.329	10.58
4)	M	Vinyl Chloride	3.454	2.978	2.976	3.147	3.272	3.166	6.43
5)	M	Bromomethane	3.030	2.164	2.035	2.085	2.516	2.366	17.59
6)	M	Chloroethane	2.534	1.829	1.916	1.942	2.087	2.062	13.58
7)	M	Trichlorofluorom...	3.263	3.037	3.565	3.048	3.323	3.247	6.73
8)	T	Diethyl Ether	1.095	0.967	1.170	1.038	1.030	1.060	7.23
9)		1,1,2-Trichlorot...	1.799	1.555	1.913	1.676	1.773	1.743	7.73
10)	M	1,1-Dichloroethene	1.715	1.569	1.786	1.621	1.665	1.671	5.03
11)		Methyl Iodide	2.350	2.121	2.659	2.400	2.215	2.349	8.75
12)		Methyl Acetate	2.823	2.465	3.087	2.483	2.696	2.711	9.52
13)	M	Acrolein	0.307	0.263	0.325	0.266	0.283	0.289	9.24
14)	M	Acrylonitrile	0.791	0.721	0.911	0.760	0.787	0.794	8.94
15)	M	Acetone	0.207	0.205	0.266	0.245	0.226	0.230	11.27
16)	M	Carbon Disulfide	4.836	4.450	5.221	4.354	4.745	4.721	7.28
17)		Allyl chloride	2.341	2.268	2.571	2.080	2.151	2.282	8.34
18)	M	Methylene Chloride	2.046	1.846	2.199	1.840	2.095	2.005	7.87
19)	M	trans-1,2-Dichlo...	1.990	1.749	2.190	1.804	1.929	1.932	8.95
20)	T	Diisopropyl ether	4.841	4.796	5.861	5.192	5.002	5.138	8.43
21)	M	1,1-Dichloroethane	3.395	3.111	3.799	3.265	3.442	3.402	7.53
22)	M	cis-1,2-Dichloro...	2.197	2.073	2.221	2.150	2.211	2.170	2.79
23)	M	tert-Butyl Alcohol	0.316	0.298	0.365	0.303	0.340	0.324	8.53
24)	M	Methyl tert-Buty...	5.192	5.225	6.681	5.435	5.567	5.620	10.90
25)	M	Chloroform	3.732	3.337	3.553	3.677	3.712	3.602	4.54
26)		Cyclohexane	2.433	2.486	2.515	2.557	2.541	2.506	1.97
27)	s	1,2-Dichloroetha...	2.343	2.200	2.212	2.142	2.346	2.249	4.08
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.465	0.410	0.402	0.464	0.465	0.441	7.27
30)	M	2-Butanone	0.175	0.165	0.170	0.187	0.175	0.175	4.71
31)		2,2-Dichloropropane	0.512	0.482	0.484	0.544	0.510	0.507	4.96
32)	M	1,1,1-Trichloroe...	0.588	0.531	0.498	0.566	0.610	0.558	8.01
33)	M	Carbon Tetrachlo...	0.534	0.463	0.450	0.517	0.516	0.496	7.54
34)	M	Benzene	1.446	1.238	1.185	1.376	1.386	1.326	8.27
35)		Methacrylonitrile	0.225	0.178	0.168	0.194	0.192	0.192	11.29
36)	M	1,2-Dichloroethane	0.495	0.447	0.419	0.478	0.490	0.466	6.93
37)	M	Trichloroethene	0.378	0.335	0.372	0.412	0.364	0.372	7.41
38)		Methylcyclohexane	0.438	0.403	0.464	0.536	0.426	0.454	11.30
39)	M	1,2-Dichloropropane	0.358	0.315	0.352	0.396	0.356	0.355	8.06
40)		Dibromomethane	0.251	0.227	0.247	0.252	0.254	0.246	4.53
41)	M	Bromodichloromet...	0.502	0.465	0.487	0.504	0.502	0.492	3.35
42)	M	Vinyl Acetate	0.568	0.527	0.587	0.578	0.546	0.561	4.32
43)		Ethyl Acetate	0.339	0.382	0.339	0.368	0.376	0.361	5.66
44)		Isopropyl Acetate	0.689	0.611	0.573	0.637	0.655	0.633	6.95
45)	T	1,4-Dioxane	0.006	0.005	0.006	0.006	0.006	0.006	8.35
46)		Methyl methacrylate	0.277	0.262	0.310	0.318	0.283	0.290	8.10
47)		n-amyl Acetate	0.438	0.446	0.514	0.588	0.452	0.487	13.05
48)	M	t-1,3-Dichloropr...	0.518	0.513	0.476	0.553	0.565	0.525	6.73
49)	T	cis-1,3-Dichloro...	0.540	0.516	0.516	0.585	0.630	0.558	8.89
50)	M	1,1,2-Trichloroe...	0.392	0.347	0.295	0.340	0.367	0.348	10.26
51)		Ethyl methacrylate	0.454	0.464	0.454	0.510	0.502	0.477	5.68
52)		1,3-Dichloropropane	0.689	0.559	0.492	0.565	0.825	0.626	21.10
53)	M	Dibromochloromet...	0.396	0.387	0.349	0.419	0.417	0.393	7.24
54)	M	1,2-Dibromoethane	0.366	0.348	0.304	0.366	0.364	0.350	7.58
55)	M	2-Chloroethyl vi...	0.147	0.150	0.146	0.163	0.154	0.152	4.54
56)	M	Bromoform	0.244	0.229	0.263	0.308	0.242	0.257	12.04

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57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.443	0.415	0.435	0.432	0.520	0.449	9.13
59)	M	2-Hexanone	0.347	0.325	0.318	0.326	0.384	0.340	7.85
60)	S	4-Bromofluoroben...	0.386	0.418	0.534	0.504	0.406	0.450	14.52
61)	M	Tetrachloroethene	0.402	0.363	0.349	0.354	0.504	0.394	16.40
62)	M	Toluene	1.832	1.689	1.756	1.774	1.972	1.805	5.89
63)	S	Toluene-d8	1.485	1.412	1.465	1.394	1.654	1.482	6.96
64)	M	Chlorobenzene	1.043	1.006	1.056	1.085	1.077	1.054	2.99
65)		1,1,1,2-Tetrachl...	0.420	0.403	0.418	0.418	0.418	0.416	1.70
66)	M	Ethyl Benzene	1.738	1.755	1.890	1.951	1.760	1.819	5.26
67)	M	m/p-Xylenes	0.666	0.662	0.731	0.754	0.660	0.695	6.35
68)	M	o-Xylene	0.629	0.647	0.798	0.812	0.649	0.707	12.74
69)	M	Styrene	0.903	1.003	1.351	1.448	0.982	1.137	21.49
70)		Isopropylbenzene	1.518	1.619	2.024	1.978	1.605	1.749	13.38
71)	M	1,1,2,2-Tetrachl...	0.561	0.521	0.623	0.570	0.565	0.568	6.42
72)		1,2,3-Trichlorop...	0.522	0.423	0.507	0.481	0.450	0.477	8.51
73)		Bromobenzene	0.394	0.397	0.484	0.468	0.400	0.429	10.29
74)		n-propylbenzene	1.748	1.756	2.289	2.198	1.700	1.938	14.51
75)		2-Chlorotoluene	1.091	1.112	1.434	1.927	1.129	1.339	26.74
76)		1,3,5-Trimethylb...	1.277	1.323	1.645	2.238	1.323	1.561	26.00
77)		t-1,4-Dichloro-2...	0.141	0.151	0.200	0.203	0.137	0.167	19.57
78)		4-Chlorotoluene	0.967	1.119	1.441	1.908	1.028	1.292	30.14
79)		tert-butylbenzene	1.166	1.121	1.429	1.874	1.130	1.344	23.98
80)		1,2,4-Trimethylb...	1.156	1.293	1.604	2.179	1.224	1.491	28.24
81)		sec-Butylbenzene	1.337	1.412	2.012	2.438	1.413	1.722	28.08
82)		p-Isopropyltoluene	1.081	1.222	1.572	2.053	1.143	1.414	28.59
83)	M	1,3-Dichlorobenzene	0.552	0.671	0.846	1.127	0.605	0.760	30.69
84)	M	1,4-Dichlorobenzene	0.498	0.624	0.782	1.080	0.573	0.712	32.40
85)		n-Butylbenzene	0.754	0.864	0.995	1.520	0.770	0.981	32.27
86)	T	Hexachloroethane	0.252	0.229	0.251	0.322	0.235	0.258	14.47
87)	M	1,2-Dichlorobenzene	0.566	0.637	0.705	1.049	0.600	0.711	27.47
88)		1,2-Dibromo-3-Ch...	0.085	0.082	0.089	0.140	0.086	0.096	25.13
89)		1,2,4-Trichlorob...	0.129	0.185	0.250	0.292	0.160	0.203	32.81
90)		Hexachlorobutadiene	0.169	0.146	0.153	0.151	0.154	0.155	5.60
91)	M	Naphthalene	0.450	0.567	0.745	0.805	0.506	0.615	25.01
92)		1,2,3-Trichlorob...	0.168	0.215	0.275	0.284	0.214	0.231	20.81

(#) = Out of Range