Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N110823W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Thu Nov 09 04:02:05 2023
Response Via : Initial Calibration

Calibration Files
5 =VN079991.D 20 =VN079989.D 50 =VN079988.D 10 =VN079990.D 100 =VN079987.D

		Compound	5	20	50	10	100	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	1.833	2.060	2.068	1.945	1.875	1.956	5.44
3)	M	Chloromethane	2.545	2.526	2.466	2.481	2.304	2.464	3.86
4)	M	Vinyl Chloride	1.905	2.023	2.020	2.420	1.927	2.059	10.14
5)	M	Bromomethane	1.178	1.095	1.172	1.177	1.015	1.127	6.37
6)	M	Chloroethane	1.170	1.096	1.380	1.205	1.129	1.196	9.26
7)	M	Trichlorofluorom...	2.965	2.981	3.245	3.160	3.101	3.090	3.85
8)	T	Diethyl Ether	1.053	1.118	1.182	1.067	1.127	1.109	4.65
9)		1,1,2-Trichlorot...	1.693	1.704	1.815	1.813	1.706	1.746	3.55
10)	M	1,1-Dichloroethene	1.621	1.660	1.729	1.084	1.629	1.545	16.89
11)		Methyl Iodide	1.802	2.112	2.267	1.916	2.119	2.043	9.00
12)		Methyl Acetate	3.992	4.113	4.097	3.997	3.823	4.005	2.89
13)	M	Acrolein	0.347	0.308	0.344	0.338	0.354	0.338	5.24
14)	M	Acrylonitrile	0.893	0.974	0.995	0.951	0.943	0.951	4.03
15)	M	Acetone	0.267	0.332	0.359	0.299	0.348	0.321	11.74
16)	M	Carbon Disulfide	5.273	5.711	5.268	5.112	5.008	5.274	5.09
17)		Allyl chloride	2.574	2.677	2.908	2.581	2.755	2.699	5.13
18)	M	Methylene Chloride	2.180	2.048	2.097	2.087	1.946	2.071	4.11
19)	M	trans-1,2-Dichlo...	1.911	1.957	1.969	1.863	1.872	1.915	2.51
20)	T	Diisopropyl ether	5.781	6.596	6.734	5.967	6.459	6.307	6.54
21)	M	1,1-Dichloroethane	3.652	3.885	3.879	3.674	3.733	3.765	2.95
22)	M	cis-1,2-Dichloro...	2.214	2.268	2.283	2.129	2.216	2.222	2.71
23)	M	tert-Butyl Alcohol	0.256	0.266	0.263	0.248	0.249	0.257	3.15
24)	M	Methyl tert-Buty...	5.304	5.910	6.056	5.383	5.784	5.687	5.79
25)	M	Chloroform	3.919	4.004	3.934	3.843	3.731	3.886	2.68
26)		Cyclohexane	2.560	3.019	3.211	2.854	3.164	2.962	8.91
27)	s	1,2-Dichloroetha...	2.537	2.530	2.499	2.583	2.442	2.518	2.07
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.505	0.524	0.531	0.474	0.540	0.515	5.05
30)	M	2-Butanone	0.226	0.249	0.256	0.230	0.269	0.246	7.38
31)		2,2-Dichloropropane	0.534	0.567	0.577	0.519	0.586	0.556	5.19
32)	M	1,1,1-Trichloroe...	0.595	0.591	0.598	0.556	0.600	0.588	3.05
33)	M	Carbon Tetrachlo...	0.522	0.521	0.527	0.486	0.527	0.517	3.32
34)	M	Benzene	1.545	1.554	1.556	1.434	1.558	1.530	3.49
35)		Methacrylonitrile	0.250	0.259	0.262	0.248	0.270	0.258	3.47
36)	M	1,2-Dichloroethane	0.577	0.561	0.554	0.529	0.547	0.554	3.22
37)	M	Trichloroethene	0.373	0.371	0.372	0.348	0.376	0.368	3.12
38)		Methylcyclohexane	0.432	0.484	0.530	0.429	0.542	0.483	11.02
39)	M	1,2-Dichloropropane	0.413	0.413	0.408	0.382	0.408	0.405	3.17
40)		Dibromomethane	0.262	0.263	0.267	0.256	0.261	0.262	1.52
41)	M	Bromodichloromet...	0.550	0.539	0.548	0.520	0.552	0.542	2.42
42)	M	Vinyl Acetate	0.558	0.617	0.656	0.554	0.668	0.611	8.73
43)		Ethyl Acetate	0.471	0.504	0.463	0.391	0.481	0.462	9.15
44)		Isopropyl Acetate	0.715	0.755	0.786	0.710	0.798	0.753	5.32
45)	T	1,4-Dioxane	0.005	0.006	0.006	0.006	0.006	0.006	5.08
46)		Methyl methacrylate	0.320	0.370	0.395	0.327	0.397	0.362	10.08
47)		n-amyl Acetate	0.501	0.610	0.682	0.524	0.706	0.605	15.17
48)	M	t-1,3-Dichloropr...	0.503	0.561	0.597	0.498	0.609	0.554	9.32
49)	T	cis-1,3-Dichloro...	0.564	0.625	0.641	0.573	0.657	0.612	6.78
50)	M	1,1,2-Trichloroe...	0.369	0.361	0.360	0.334	0.361	0.357	3.76
51)		Ethyl methacrylate	0.449	0.521	0.563	0.451	0.582	0.513	12.06
52)		1,3-Dichloropropane	0.612	0.656	0.652	0.613	0.657	0.638	3.65
53)	M	Dibromochloromet...	0.374	0.388	0.392	0.358	0.398	0.382	4.24
54)	M	1,2-Dibromoethane	0.363	0.359	0.368	0.334	0.368	0.358	3.93
55)	M	2-Chloroethyl vi...	0.187	0.244	0.257	0.208	0.285	0.236	16.64
56)	M	Bromoform	0.235	0.252	0.263	0.231	0.270	0.250	6.79

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N110823W.M

57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.460	0.518	0.531	0.490	0.507	0.501	5.53
59)	M	2-Hexanone	0.335	0.400	0.414	0.355	0.405	0.382	9.09
60)	S	4-Bromofluoroben...	0.458	0.479	0.500	0.461	0.501	0.480	4.27
61)	M	Tetrachloroethene	0.368	0.355	0.352	0.347	0.337	0.352	3.21
62)	M	Toluene	1.736	1.764	1.799	1.662	1.714	1.735	2.98
63)	S	Toluene-d8	1.418	1.454	1.429	1.421	1.386	1.421	1.72
64)	M	Chlorobenzene	1.034	1.053	1.067	0.995	1.028	1.035	2.64
65)		1,1,1,2-Tetrachl...	0.367	0.390	0.394	0.367	0.381	0.380	3.37
66)	M	Ethyl Benzene	1.666	1.852	1.973	1.670	1.955	1.823	8.17
67)	M	m/p-Xylenes	0.593	0.710	0.742	0.625	0.724	0.679	9.66
68)	M	o-Xylene	0.582	0.663	0.716	0.595	0.697	0.651	9.23
69)	M	Styrene	0.924	1.114	1.206	0.948	1.193	1.077	12.39
70)		Isopropylbenzene	1.414	1.654	1.802	1.475	1.770	1.623	10.68
71)	M	1,1,2,2-Tetrachl...	0.562	0.565	0.568	0.533	0.536	0.553	3.01
72)		1,2,3-Trichlorop...	0.518	0.509	0.528	0.506	0.508	0.514	1.80
73)		Bromobenzene	0.386	0.398	0.427	0.375	0.408	0.399	5.05
74)		n-propylbenzene	1.700	1.975	2.166	1.718	2.148	1.942	11.57
75)		2-Chlorotoluene	1.158	1.250	1.331	1.134	1.296	1.234	6.93
76)		1,3,5-Trimethylb...	1.152	1.378	1.498	1.202	1.482	1.342	11.83
77)		t-1,4-Dichloro-2...	0.147	0.165	0.189	0.149	0.191	0.168	12.56
78)		4-Chlorotoluene	1.093	1.234	1.336	1.137	1.328	1.226	8.95
79)		tert-butylbenzene	0.886	1.070	1.178	0.940	1.182	1.051	12.86
80)		1,2,4-Trimethylb...	1.082	1.347	1.484	1.172	1.497	1.316	14.07
81)		sec-Butylbenzene	1.261	1.506	1.667	1.325	1.661	1.484	12.63
82)		p-Isopropyltoluene	0.948	1.233	1.392	1.040	1.413	1.205	17.22
83)	M	1,3-Dichlorobenzene	0.669	0.747	0.774	0.678	0.767	0.727	6.85
84)	M	1,4-Dichlorobenzene	0.661	0.716	0.760	0.675	0.756	0.714	6.33
85)		n-Butylbenzene	0.776	1.000	1.189	0.847	1.227	1.008	19.90
86)	T	Hexachloroethane	0.218	0.232	0.250	0.221	0.251	0.234	6.71
87)	M	1,2-Dichlorobenzene	0.666	0.707	0.742	0.633	0.725	0.695	6.40
88)		1,2-Dibromo-3-Ch...	0.095	0.103	0.108	0.096	0.103	0.101	5.64
89)		1,2,4-Trichlorob...	0.278	0.330	0.358	0.299	0.343	0.322	10.17
90)		Hexachlorobutadiene	0.150	0.160	0.170	0.155	0.159	0.159	4.77
91)	M	Naphthalene	0.838	1.058	1.202	0.895	1.170	1.033	15.69
92)		1,2,3-Trichlorob...	0.278	0.330	0.358	0.299	0.343	0.322	10.17

(#) = Out of Range