Response Factor Report 7890

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N122120W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Mon Dec 21 13:17:58 2020
Response Via : Initial Calibration

Calibration Files
5 =VN065173.D 20 =VN065174.D 50 =VN065175.D 100 =VN065176.D 150 =VN065177.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	1.702	1.304	1.664	1.652	1.609	1.586	10.15
3)	M	Chloromethane	1.963	1.677	1.918	1.858	1.885	1.860	5.90
4)	M	Vinyl Chloride	1.962	1.781	2.034	2.003	1.996	1.955	5.16
5)	M	Bromomethane	1.516	1.246	1.439	1.429	1.427	1.411	7.05
6)	M	Chloroethane	1.248	1.118	1.326	1.279	1.277	1.249	6.29
7)	M	Trichlorofluorom...	2.897	2.602	2.961	2.888	2.848	2.839	4.88
8)	T	Diethyl Ether	1.058	0.938	1.073	1.062	1.043	1.035	5.32
9)		1,1,2-Trichlorot...	1.619	1.493	1.622	1.584	1.563	1.576	3.34
10)	M	1,1-Dichloroethene	1.642	1.472	1.647	1.612	1.618	1.598	4.50
11)		Methyl Iodide	2.121	2.081	2.516	2.524	2.607	2.370	10.47
12)		Methyl Acetate	1.586	1.483	1.755	1.702	1.761	1.658	7.25
13)	M	Acrolein	0.263	0.183	0.234	0.226	0.225	0.226	12.64
14)	M	Acrylonitrile	0.714	0.700	0.820	0.810	0.829	0.774	8.06
15)	M	Acetone	0.262	0.259	0.260	0.226	0.219	0.245	8.56
16)	M	Carbon Disulfide	4.758	4.158	4.759	4.653	4.748	4.615	5.62
17)		Allyl chloride	2.758	2.584	2.979	2.892	2.898	2.823	5.49
18)	M	Methylene Chloride	1.951	1.651	1.875	1.829	1.849	1.831	6.06
19)	M	trans-1,2-Dichlo...	1.791	1.595	1.816	1.787	1.787	1.755	5.15
20)	T	Diisopropyl ether	5.761	5.163	5.861	5.751	5.753	5.658	4.96
21)	M	1,1-Dichloroethane	3.152	2.898	3.320	3.276	3.238	3.177	5.28
22)	M	cis-1,2-Dichloro...	2.032	1.841	2.097	2.066	2.051	2.018	5.02
23)	M	tert-Butyl Alcohol	0.332	0.298	0.349	0.326	0.337	0.329	5.78
24)	M	Methyl tert-Buty...	5.622	5.103	5.819	5.676	5.683	5.581	4.96
25)	M	Chloroform	3.324	3.002	3.365	3.366	3.332	3.278	4.73
26)		Cyclohexane	2.923	2.595	2.860	2.858	2.795	2.806	4.50
27)	s	1,2-Dichloroetha...	2.229	2.207	2.165	2.150	2.133	2.177	1.83
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.432	0.398	0.456	0.468	0.463	0.443	6.52
30)	M	2-Butanone	0.195	0.191	0.211	0.207	0.207	0.202	4.30
31)		2,2-Dichloropropane	0.559	0.495	0.557	0.560	0.546	0.543	5.10
32)	M	1,1,1-Trichloroe...	0.530	0.478	0.552	0.557	0.552	0.534	6.16
33)	M	Carbon Tetrachlo...	0.453	0.420	0.488	0.499	0.488	0.470	6.92
34)	M	Benzene	1.313	1.166	1.327	1.371	1.354	1.306	6.24
35)		Methacrylonitrile	0.181	0.177	0.208	0.209	0.159	0.187	11.60
36)	M	1,2-Dichloroethane	0.480	0.434	0.501	0.503	0.501	0.484	6.05
37)	M	Trichloroethene	0.369	0.336	0.386	0.392	0.387	0.374	6.18
38)		Methylcyclohexane	0.552	0.493	0.555	0.565	0.552	0.544	5.30
39)	M	1,2-Dichloropropane	0.340	0.308	0.351	0.355	0.352	0.341	5.69
40)		Dibromomethane	0.222	0.207	0.236	0.243	0.242	0.230	6.70
41)	M	Bromodichloromet...	0.471	0.435	0.509	0.517	0.513	0.489	7.20
42)	M	Vinyl Acetate	0.834	0.792	0.917	0.921	0.912	0.875	6.70
43)		Ethyl Acetate	0.318	0.362	0.431	0.435	0.439	0.397	13.70
44)		Isopropyl Acetate	0.728	0.670	0.775	0.781	0.786	0.748	6.62
45)	T	1,4-Dioxane	0.005	0.005	0.006	0.006	0.006	0.006#	8.26
46)		Methyl methacrylate	0.328	0.316	0.373	0.375	0.384	0.355	8.64
47)		n-amyl Acetate	0.518	0.544	0.670	0.695	0.713	0.628	14.42
48)	M	t-1,3-Dichloropr...	0.511	0.484	0.575	0.588	0.591	0.550	8.91
49)	T	cis-1,3-Dichloro...	0.560	0.514	0.599	0.617	0.613	0.581	7.46
50)	M	1,1,2-Trichloroe...	0.311	0.291	0.338	0.339	0.340	0.324	6.73
51)		Ethyl methacrylate	0.486	0.441	0.527	0.535	0.541	0.506	8.30
52)		1,3-Dichloropropane	0.514	0.480	0.557	0.575	0.574	0.540	7.73
53)	M	Dibromochloromet...	0.355	0.341	0.404	0.415	0.419	0.387	9.38
54)	M	1,2-Dibromoethane	0.326	0.304	0.361	0.369	0.371	0.347	8.58
55)	M	2-Chloroethyl vi...	0.374	0.192	0.227	0.228	0.230	0.250	28.32
56)	M	Bromoform	0.265	0.260	0.314	0.325	0.333	0.299	11.47

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57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.452	0.415	0.477	0.471	0.478	0.458	5.79
59)	M	2-Hexanone	0.323	0.308	0.353	0.348	0.356	0.338	6.30
60)	S	4-Bromofluoroben...	0.453	0.469	0.484	0.485	0.494	0.477	3.36
61)	M	Tetrachloroethene	0.490	0.423	0.460	0.450	0.427	0.450	6.03
62)	M	Toluene	1.551	1.440	1.652	1.668	1.662	1.595	6.19
63)	S	Toluene-d8	1.356	1.335	1.330	1.315	1.317	1.331	1.26
64)	M	Chlorobenzene	0.936	0.878	1.024	1.042	1.038	0.984	7.42
65)		1,1,1,2-Tetrachl...	0.378	0.349	0.403	0.408	0.408	0.389	6.67
66)	M	Ethyl Benzene	1.731	1.591	1.840	1.873	1.862	1.780	6.71
67)	M	m/p-Xylenes	0.644	0.605	0.691	0.708	0.712	0.672	6.89
68)	M	o-Xylene	0.627	0.579	0.669	0.684	0.685	0.649	7.02
69)	M	Styrene	0.986	0.955	1.145	1.174	1.192	1.090	10.18
70)		Isopropylbenzene	1.653	1.549	1.802	1.826	1.830	1.732	7.25
71)	M	1,1,2,2-Tetrachl...	0.439	0.412	0.493	0.493	0.507	0.469	8.76
72)		1,2,3-Trichlorop...	0.469	0.452	0.491	0.462	0.514	0.478	5.24
73)		Bromobenzene	0.420	0.399	0.473	0.482	0.484	0.452	8.70
74)		n-propylbenzene	1.842	1.729	2.046	2.102	2.116	1.967	8.76
75)		2-Chlorotoluene	1.090	1.024	1.212	1.237	1.256	1.164	8.70
76)		1,3,5-Trimethylb...	1.392	1.317	1.538	1.560	1.582	1.478	7.89
77)		t-1,4-Dichloro-2...	0.163	0.164	0.199	0.204	0.208	0.188	11.83
78)		4-Chlorotoluene	1.056	1.016	1.233	1.282	1.310	1.180	11.39
79)		tert-butylbenzene	1.192	1.134	1.302	1.333	1.342	1.260	7.34
80)		1,2,4-Trimethylb...	1.362	1.296	1.514	1.554	1.582	1.462	8.60
81)		sec-Butylbenzene	1.541	1.454	1.715	1.761	1.799	1.654	9.02
82)		p-Isopropyltoluene	1.416	1.344	1.581	1.636	1.659	1.527	9.14
83)	M	1,3-Dichlorobenzene	0.624	0.642	0.794	0.829	0.852	0.748	14.36
84)	M	1,4-Dichlorobenzene	0.623	0.638	0.785	0.830	0.851	0.745	14.44
85)		n-Butylbenzene	1.152	1.154	1.368	1.423	1.440	1.308	10.97
86)	T	Hexachloroethane	0.240	0.240	0.293	0.301	0.313	0.277	12.66
87)	M	1,2-Dichlorobenzene	0.619	0.632	0.774	0.793	0.806	0.725	12.57
88)		1,2-Dibromo-3-Ch...	0.079	0.085	0.106	0.106	0.114	0.098	15.46
89)		1,2,4-Trichlorob...	0.208	0.318	0.442	0.477	0.500	0.389	31.69
90)		Hexachlorobutadiene	0.242	0.234	0.268	0.270	0.274	0.258	7.17
91)	M	Naphthalene	0.558	0.843	1.176	1.271	1.352	1.040	31.94
92)		1,2,3-Trichlorob...	0.208	0.301	0.408	0.441	0.468	0.365	29.64

(#) = Out of Range