Response Factor Report 7890

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N121520W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Tue Dec 15 15:18:54 2020
Response Via : Initial Calibration

Calibration Files
5 =VN065140.D 20 =VN065141.D 50 =VN065142.D 100 =VN065143.D 150 =VN065144.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	1.643	1.581	1.751	1.790	1.740	1.701	5.06
3)	M	Chloromethane	1.788	1.862	2.060	2.056	2.031	1.959	6.43
4)	M	Vinyl Chloride	2.564	1.895	2.085	2.160	2.088	2.158	11.45
5)	M	Bromomethane	2.442	1.164	1.329	1.335	1.306	1.515	34.49
6)	M	Chloroethane	1.896	1.017	1.179	1.170	1.168	1.286	27.02
7)	M	Trichlorofluorom...	4.625	2.631	2.893	2.957	2.859	3.193	25.37
8)	T	Diethyl Ether	0.953	0.937	1.036	1.097	1.076	1.020	7.07
9)		1,1,2-Trichlorot...	1.688	1.519	1.680	1.730	1.624	1.648	4.93
10)	M	1,1-Dichloroethene	1.550	1.470	1.624	1.710	1.641	1.599	5.75
11)		Methyl Iodide	1.803	2.005	2.308	2.529	2.467	2.223	13.94
12)		Methyl Acetate	1.363	1.340	1.471	1.586	1.517	1.455	7.11
13)	M	Acrolein	0.175	0.186	0.212	0.234	0.223	0.206	12.12
14)	M	Acrylonitrile	0.541	0.665	0.760	0.817	0.783	0.713	15.62
15)	M	Acetone	0.223	0.231	0.225	0.232	0.209	0.224	4.04
16)	M	Carbon Disulfide	4.378	4.360	4.762	5.070	4.948	4.704	6.90
17)		Allyl chloride	2.068	1.922	2.266	2.690	2.633	2.316	14.64
18)	M	Methylene Chloride	1.870	1.779	1.907	1.972	1.878	1.881	3.72
19)	M	trans-1,2-Dichlo...	1.622	1.609	1.792	1.858	1.806	1.737	6.56
20)	T	Diisopropyl ether	7.587	4.779	5.333	5.498	5.367	5.713	18.97
21)	M	1,1-Dichloroethane	4.635	2.939	3.173	3.308	3.178	3.447	19.66
22)	M	cis-1,2-Dichloro...	1.817	1.814	2.013	2.099	2.047	1.958	6.82
23)	M	tert-Butyl Alcohol	0.224	0.199	0.231	0.250	0.249	0.231	8.94
24)	M	Methyl tert-Buty...	4.361	4.338	5.011	5.287	5.220	4.844	9.55
25)	M	Chloroform	3.407	3.001	3.271	3.361	3.247	3.258	4.83
26)		Cyclohexane	2.026	2.323	2.650	2.839	2.757	2.519	13.44
27)	s	1,2-Dichloroetha...	2.477	1.968	1.970	1.905	1.949	2.054	11.59
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.440	0.431	0.485	0.508	0.496	0.472	7.29
30)	M	2-Butanone	0.167	0.173	0.190	0.196	0.187	0.183	6.69
31)		2,2-Dichloropropane	0.566	0.469	0.519	0.537	0.522	0.523	6.78
32)	M	1,1,1-Trichloroe...	0.622	0.507	0.551	0.568	0.559	0.561	7.36
33)	M	Carbon Tetrachlo...	0.544	0.460	0.504	0.519	0.508	0.507	6.00
34)	M	Benzene	1.347	1.353	1.461	1.510	1.466	1.427	5.15
35)		Methacrylonitrile	0.161	0.175	0.182	0.192	0.185	0.179	6.62
36)	M	1,2-Dichloroethane	0.571	0.443	0.474	0.483	0.474	0.489	9.86
37)	M	Trichloroethene	0.387	0.363	0.394	0.406	0.397	0.389	4.24
38)		Methylcyclohexane	0.610	0.469	0.555	0.600	0.582	0.563	10.03
39)	M	1,2-Dichloropropane	0.410	0.350	0.381	0.396	0.380	0.383	5.87
40)		Dibromomethane	0.361	0.230	0.248	0.254	0.251	0.269	19.51
41)	M	Bromodichloromet...	0.738	0.455	0.500	0.521	0.517	0.546	20.15
42)	M	Vinyl Acetate	1.107	0.727	0.849	0.865	0.805	0.871	16.38
43)		Ethyl Acetate	0.312	0.364	0.395	0.417	0.396	0.377	10.86
44)		Isopropyl Acetate	0.589	0.567	0.639	0.680	0.675	0.630	7.99
45)	T	1,4-Dioxane	0.006	0.005	0.006	0.006	0.006	0.006#	7.87
46)		Methyl methacrylate	0.368	0.261	0.311	0.333	0.329	0.320	12.16
47)		n-amyl Acetate	0.408	0.443	0.544	0.602	0.606	0.521	17.47
48)	M	t-1,3-Dichloropr...	0.487	0.469	0.548	0.583	0.581	0.534	9.97
49)	T	cis-1,3-Dichloro...	0.636	0.530	0.598	0.635	0.632	0.606	7.46
50)	M	1,1,2-Trichloroe...	0.349	0.326	0.352	0.363	0.354	0.349	3.89
51)		Ethyl methacrylate	0.362	0.413	0.491	0.539	0.530	0.467	16.48
52)		1,3-Dichloropropane	0.544	0.535	0.596	0.615	0.602	0.578	6.30
53)	M	Dibromochloromet...	0.395	0.362	0.407	0.431	0.426	0.404	6.88
54)	M	1,2-Dibromoethane	0.364	0.333	0.362	0.385	0.375	0.364	5.36
55)	M	2-Chloroethyl vi...	0.217	0.207	0.242	0.265	0.251	0.236	10.09

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56)	M	Bromoform	0.250	0.251	0.280	0.298	0.294	0.275	8.42
57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.541	0.375	0.429	0.434	0.405	0.437	14.38
59)	M	2-Hexanone	0.259	0.262	0.309	0.318	0.303	0.290	9.49
60)	S	4-Bromofluoroben...	0.458	0.448	0.485	0.478	0.489	0.471	3.76
61)	M	Tetrachloroethene	0.482	0.416	0.444	0.430	0.410	0.436	6.65
62)	M	Toluene	1.609	1.545	1.726	1.761	1.671	1.662	5.26
63)	S	Toluene-d8	1.711	1.393	1.414	1.370	1.353	1.448	10.28
64)	M	Chlorobenzene	0.989	0.948	1.060	1.113	1.069	1.036	6.39
65)		1,1,1,2-Tetrachl...	0.388	0.358	0.399	0.414	0.407	0.393	5.51
66)	M	Ethyl Benzene	1.564	1.590	1.869	1.947	1.837	1.761	9.84
67)	M	m/p-Xylenes	0.579	0.620	0.732	0.760	0.740	0.686	11.84
68)	M	o-Xylene	0.550	0.586	0.678	0.725	0.704	0.649	11.82
69)	M	Styrene	0.857	0.953	1.164	1.225	1.196	1.079	15.18
70)		Isopropylbenzene	1.444	1.541	1.815	1.884	1.787	1.694	11.25
71)	M	1,1,2,2-Tetrachl...	0.454	0.451	0.510	0.526	0.513	0.491	7.19
72)		1,2,3-Trichlorop...	0.471	0.455	0.477	0.500	0.448	0.470	4.35
73)		Bromobenzene	0.401	0.397	0.455	0.476	0.470	0.440	8.61
74)		n-propylbenzene	1.670	1.742	2.082	2.151	2.019	1.933	11.05
75)		2-Chlorotoluene	1.046	1.073	1.230	1.283	1.247	1.176	9.19
76)		1,3,5-Trimethylb...	1.263	1.330	1.544	1.618	1.554	1.462	10.63
77)		t-1,4-Dichloro-2...	0.128	0.144	0.177	0.191	0.190	0.166	17.05
78)		4-Chlorotoluene	1.024	1.069	1.273	1.328	1.310	1.201	11.93
79)		tert-butylbenzene	1.025	1.093	1.287	1.382	1.348	1.227	12.98
80)		1,2,4-Trimethylb...	1.191	1.311	1.558	1.627	1.562	1.450	13.00
81)		sec-Butylbenzene	1.359	1.408	1.692	1.786	1.717	1.592	12.22
82)		p-Isopropyltoluene	1.384	1.268	1.563	1.666	1.600	1.496	11.04
83)	M	1,3-Dichlorobenzene	0.757	0.673	0.802	0.850	0.837	0.784	9.13
84)	M	1,4-Dichlorobenzene	1.000	0.653	0.782	0.839	0.829	0.821	15.22
85)		n-Butylbenzene	1.485	1.020	1.312	1.406	1.380	1.320	13.57
86)	T	Hexachloroethane	0.365	0.226	0.266	0.292	0.290	0.288	17.61
87)	M	1,2-Dichlorobenzene	1.029	0.668	0.765	0.806	0.799	0.813	16.29
88)		1,2-Dibromo-3-Ch...	0.111	0.075	0.092	0.100	0.101	0.096	14.22
89)		1,2,4-Trichlorob...	0.296	0.268	0.380	0.436	0.451	0.366	22.42
90)		Hexachlorobutadiene	0.330	0.182	0.207	0.220	0.217	0.231	24.84
91)	M	Naphthalene	0.781	0.722	1.085	1.264	1.313	1.033	26.27
92)		1,2,3-Trichlorob...	0.305	0.252	0.348	0.400	0.419	0.345	19.81

(#) = Out of Range