Response Factor Report 7890

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\
Method File : 624N122818W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Fri Dec 28 10:33:50 2018
Response Via : Initial Calibration

Calibration Files
5 =VN053211.D 20 =VN053212.D 50 =VN053213.D 100 =VN053214.D 150 =VN053215.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	1.918	2.033	2.027	2.032	1.983	1.999	2.48
3)	M	Chloromethane	2.439	2.330	2.293	2.333	2.334	2.346	2.34
4)	M	Vinyl Chloride	2.387	2.317	2.308	2.292	2.239	2.309	2.32
5)	M	Bromomethane	1.616	1.451	1.445	1.486	1.445	1.488	4.91
6)	M	Chloroethane	1.420	1.328	1.316	1.313	1.271	1.330	4.12
7)	M	Trichlorofluorom...	3.012	2.820	2.822	2.827	2.773	2.851	3.26
8)	T	Diethyl Ether	1.096	1.033	1.061	1.066	1.040	1.059	2.36
9)		1,1,2-Trichlorot...	1.908	1.777	1.768	1.769	1.734	1.791	3.76
10)	M	1,1-Dichloroethene	1.849	1.719	1.717	1.748	1.707	1.748	3.34
11)		Methyl Iodide	2.365	2.509	2.556	2.697	2.673	2.560	5.24
12)		Methyl Acetate	1.506	1.272	1.308	1.357	1.369	1.362	6.55
13)	M	Acrolein	0.159	0.156	0.165	0.165	0.168	0.163	3.11
14)	M	Acrylonitrile	0.607	0.605	0.610	0.618	0.607	0.610	0.83
15)	M	Acetone	0.129	0.131	0.127	0.131	0.129	0.130	1.28
16)	M	Carbon Disulfide	5.536	5.220	5.321	5.428	5.383	5.377	2.20
17)		Allyl chloride	2.748	2.806	2.703	2.771	2.722	2.750	1.48
18)	M	Methylene Chloride	2.244	1.967	1.942	1.949	1.900	2.001	6.90
19)	M	trans-1,2-Dichlo...	1.964	1.820	1.818	1.833	1.802	1.847	3.57
20)	T	Diisopropyl ether	6.017	5.931	5.907	5.872	5.719	5.889	1.86
21)	M	1,1-Dichloroethane	3.595	3.388	3.398	3.410	3.353	3.429	2.78
22)	M	cis-1,2-Dichloro...	2.139	2.036	2.086	2.081	2.062	2.081	1.83
23)	M	tert-Butyl Alcohol	0.101	0.098	0.101	0.108	0.106	0.103	4.10
24)	M	Methyl tert-Buty...	4.598	4.516	4.547	4.599	4.531	4.558	0.84
25)	M	Chloroform	3.460	3.279	3.257	3.278	3.205	3.296	2.92
26)		Cyclohexane	3.276	3.121	3.201	3.224	3.169	3.198	1.82
27)	s	1,2-Dichloroetha...	1.917	1.932	1.919	1.884	1.877	1.906	1.27
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.473	0.439	0.446	0.460	0.453	0.454	2.84
30)	M	2-Butanone	0.108	0.113	0.114	0.117	0.115	0.113	2.78
31)		2,2-Dichloropropane	0.449	0.427	0.433	0.448	0.443	0.440	2.20
32)	M	1,1,1-Trichloroe...	0.488	0.464	0.469	0.482	0.479	0.476	2.03
33)	M	Carbon Tetrachlo...	0.415	0.404	0.411	0.429	0.425	0.417	2.41
34)	M	Benzene	1.439	1.347	1.340	1.361	1.341	1.366	3.05
35)		Methacrylonitrile	0.148	0.147	0.149	0.144	0.143	0.146	1.85
36)	M	1,2-Dichloroethane	0.419	0.396	0.389	0.394	0.384	0.396	3.41
37)	M	Trichloroethene	0.387	0.362	0.364	0.372	0.365	0.370	2.82
38)		Methylcyclohexane	0.550	0.509	0.526	0.538	0.535	0.532	2.90
39)	M	1,2-Dichloropropane	0.370	0.349	0.353	0.357	0.354	0.357	2.23
40)		Dibromomethane	0.213	0.197	0.197	0.203	0.198	0.202	3.46
41)	M	Bromodichloromet...	0.453	0.418	0.425	0.438	0.431	0.433	3.07
42)	M	Vinyl Acetate	0.596	0.613	0.612	0.641	0.631	0.619	2.86
43)		Ethyl Acetate	0.237	0.257	0.254	0.259	0.259	0.253	3.73
44)		Isopropyl Acetate	0.473	0.453	0.466	0.486	0.481	0.472	2.73
45)	T	1,4-Dioxane	0.003	0.003	0.003	0.003	0.003	0.003#	3.97
46)		Methyl methacrylate	0.228	0.230	0.239	0.247	0.247	0.238	3.79
47)		n-amyl Acetate	0.390	0.388	0.411	0.441	0.441	0.414	6.29
48)	M	t-1,3-Dichloropr...	0.422	0.423	0.438	0.463	0.465	0.442	4.74
49)	T	cis-1,3-Dichloro...	0.523	0.501	0.515	0.535	0.528	0.521	2.56
50)	M	1,1,2-Trichloroe...	0.303	0.285	0.284	0.289	0.285	0.289	2.82
51)		Ethyl methacrylate	0.357	0.359	0.377	0.396	0.395	0.377	5.02
52)		1,3-Dichloropropane	0.517	0.486	0.491	0.504	0.494	0.498	2.45
53)	M	Dibromochloromet...	0.325	0.309	0.322	0.335	0.333	0.325	3.21
54)	M	1,2-Dibromoethane	0.294	0.286	0.286	0.296	0.296	0.292	1.88
55)	M	2-Chloroethyl vi...	0.208	0.213	0.215	0.224	0.222	0.216	3.06
56)	M	Bromoform	0.214	0.211	0.216	0.232	0.238	0.222	5.49

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57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.278	0.291	0.290	0.291	0.280	0.286	2.24
59)	M	2-Hexanone	0.192	0.201	0.199	0.201	0.194	0.197	2.00
60)	S	4-Bromofluoroben...	0.451	0.454	0.454	0.466	0.470	0.459	1.85
61)	M	Tetrachloroethene	0.478	0.444	0.451	0.432	0.412	0.443	5.55
62)	M	Toluene	1.764	1.626	1.628	1.631	1.576	1.645	4.27
63)	S	Toluene-d8	1.373	1.373	1.355	1.350	1.308	1.352	1.98
64)	M	Chlorobenzene	1.091	1.010	1.014	1.037	1.011	1.032	3.34
65)		1,1,1,2-Tetrachl...	0.374	0.355	0.358	0.365	0.359	0.362	2.10
66)	M	Ethyl Benzene	1.837	1.750	1.765	1.806	1.764	1.784	2.01
67)	M	m/p-Xylenes	0.705	0.666	0.660	0.678	0.666	0.675	2.68
68)	M	o-Xylene	0.673	0.646	0.641	0.660	0.650	0.654	1.91
69)	M	Styrene	1.057	1.048	1.049	1.099	1.084	1.067	2.14
70)		Isopropylbenzene	1.779	1.694	1.692	1.731	1.707	1.720	2.09
71)	M	1,1,2,2-Tetrachl...	0.376	0.357	0.350	0.370	0.358	0.362	2.88
72)		1,2,3-Trichlorop...	0.308	0.326	0.290	0.331	0.331	0.317	5.73
73)		Bromobenzene	0.449	0.439	0.427	0.452	0.444	0.442	2.28
74)		n-propylbenzene	1.977	1.906	1.890	1.992	1.973	1.948	2.37
75)		2-Chlorotoluene	1.189	1.147	1.107	1.172	1.151	1.153	2.67
76)		1,3,5-Trimethylb...	1.398	1.352	1.305	1.397	1.371	1.365	2.82
77)		t-1,4-Dichloro-2...	0.100	0.105	0.108	0.121	0.123	0.111	9.03
78)		4-Chlorotoluene	1.205	1.153	1.118	1.205	1.189	1.174	3.23
79)		tert-butylbenzene	1.245	1.172	1.139	1.209	1.186	1.190	3.32
80)		1,2,4-Trimethylb...	1.393	1.356	1.305	1.414	1.371	1.368	3.03
81)		sec-Butylbenzene	1.650	1.536	1.496	1.620	1.577	1.576	3.94
82)		p-Isopropyltoluene	1.375	1.340	1.289	1.434	1.371	1.362	3.87
83)	M	1,3-Dichlorobenzene	0.785	0.737	0.706	0.792	0.745	0.753	4.77
84)	M	1,4-Dichlorobenzene	0.748	0.719	0.689	0.783	0.731	0.734	4.77
85)		n-Butylbenzene	1.084	1.070	1.042	1.207	1.136	1.108	5.87
86)	T	Hexachloroethane	0.207	0.207	0.206	0.236	0.231	0.217	6.83
87)	M	1,2-Dichlorobenzene	0.739	0.708	0.647	0.737	0.667	0.700	5.93
88)		1,2-Dibromo-3-Ch...	0.053	0.052	0.046	0.055	0.052	0.052	6.30
89)		1,2,4-Trichlorob...	0.301	0.318	0.317	0.379	0.383	0.340	11.27
90)		Hexachlorobutadiene	0.235	0.215	0.186	0.204	0.189	0.206	9.77
91)	M	Naphthalene	0.569	0.664	0.685	0.843	0.841	0.721	16.53
92)		1,2,3-Trichlorob...	0.261	0.284	0.288	0.342	0.341	0.303	12.02

(#) = Out of Range