Response Factor Report 7890

Method Path : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\
Method File : 624N052219W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Thu May 23 05:54:54 2019
Response Via : Initial Calibration

Calibration Files
5 =VN055723.D 20 =VN055724.D 50 =VN055725.D
100 =VN055726.D 150 =VN055727.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoromet	1.537	1.307	1.245	1.223	1.265	1.315	9.71
3)	M	Chloromethane	2.048	1.914	1.781	1.770	1.842	1.871	6.11
4)	M	Vinyl Chloride	2.019	1.941	1.875	1.823	1.890	1.910	3.88
5)	M	Bromomethane	1.203	1.207	1.072	1.114	0.994	1.118	8.09
6)	M	Chloroethane	1.211	1.153	1.120	1.028	1.066	1.116	6.43
7)	M	Trichlorofluorometh	2.550	2.392	2.335	2.299	2.402	2.396	4.01
8)	T	Diethyl Ether	1.097	1.058	1.053	1.013	1.045	1.053	2.87
9)		1,1,2-Trichlorotrif	1.600	1.527	1.495	1.459	1.487	1.514	3.57
10)	M	1,1-Dichloroethene	1.672	1.599	1.556	1.522	1.569	1.583	3.56
11)		Methyl Iodide	2.032	2.227	2.255	2.314	2.467	2.259	6.97
12)		Methyl Acetate	2.342	1.925	1.847	1.733	1.836	1.937	12.23
13)	M	Acrolein	0.317	0.259	0.259	0.246	0.265	0.269	10.26
14)	M	Acrylonitrile	0.885	0.902	0.881	0.848	0.899	0.883	2.43
15)	M	Acetone	0.305	0.291	0.269	0.250	0.256	0.274	8.43
16)	M	Carbon Disulfide	4.663	4.576	4.438	4.400	4.623	4.540	2.55
17)		Allyl chloride	2.950	2.859	2.826	2.751	2.873	2.852	2.53
18)	M	Methylene Chloride	1.906	1.830	1.773	1.744	1.815	1.814	3.42
19)	M	trans-1,2-Dichloroe	1.768	1.733	1.674	1.629	1.713	1.703	3.16
20)	T	Diisopropyl ether	5.721	5.530	5.444	5.352	5.616	5.532	2.60
21)	M	1,1-Dichloroethane	3.209	3.167	3.101	3.024	3.132	3.127	2.23
22)	M	cis-1,2-Dichloroeth	2.029	1.998	1.955	1.932	2.018	1.987	2.09
23)	M	tert-Butyl Alcohol	0.414	0.394	0.383	0.364	0.384	0.388	4.73
24)	M	Methyl tert-Butyl E	5.543	5.436	5.319	5.189	5.376	5.373	2.46
25)	M	Chloroform	3.243	3.116	3.067	2.971	3.043	3.088	3.28
26)		Cyclohexane	3.006	2.890	2.854	2.812	2.860	2.885	2.55
27)	s	1,2-Dichloroethane-	1.926	1.964	1.957	1.955	2.003	1.961	1.41
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.429	0.423	0.424	0.414	0.410	0.420	1.79
30)	M	2-Butanone	0.236	0.231	0.225	0.212	0.216	0.224	4.44
31)		2,2-Dichloropropane	0.544	0.507	0.482	0.458	0.453	0.489	7.70
32)	M	1,1,1-Trichloroetha	0.535	0.504	0.495	0.481	0.474	0.498	4.87
33)	M	Carbon Tetrachlorid	0.481	0.453	0.441	0.431	0.421	0.445	5.20
34)	M	Benzene	1.357	1.309	1.299	1.268	1.250	1.297	3.17
35)		Methacrylonitrile	0.206	0.205	0.210	0.205	0.207	0.207	1.10
36)	M	1,2-Dichloroethane	0.449	0.430	0.421	0.413	0.406	0.424	3.91
37)	M	Trichloroethene	0.379	0.364	0.361	0.354	0.351	0.362	3.05
38)		Methylcyclohexane	0.575	0.526	0.525	0.521	0.514	0.532	4.54
39)	M	1,2-Dichloropropane	0.364	0.353	0.351	0.339	0.335	0.349	3.29
40)		Dibromomethane	0.241	0.224	0.225	0.218	0.217	0.225	4.39
41)	M	Bromodichloromethan	0.497	0.466	0.459	0.447	0.439	0.461	4.85
42)	M	Vinyl Acetate	0.902	0.888	0.873	0.838	0.844	0.869	3.18
43)		Ethyl Acetate	0.479	0.453	0.429	0.415	0.423	0.440	5.96
44)		Isopropyl Acetate	0.747	0.731	0.736	0.711	0.719	0.729	1.97
45)	T	1,4-Dioxane	0.007	0.007	0.007	0.007	0.007	0.007#	4.19
46)		Methyl methacrylate	0.334	0.344	0.341	0.339	0.342	0.340	1.14
47)		n-amyl Acetate	0.595	0.608	0.602	0.604	0.604	0.603	0.78
48)	M	t-1,3-Dichloroprope	0.498	0.505	0.519	0.511	0.512	0.509	1.55
49)	T	cis-1,3-Dichloropro	0.560	0.561	0.562	0.554	0.549	0.557	1.00
50)	M	1,1,2-Trichloroetha	0.348	0.332	0.324	0.320	0.315	0.328	3.99
51)		Ethyl methacrylate	0.532	0.531	0.530	0.525	0.523	0.528	0.72
52)		1,3-Dichloropropane	0.555	0.551	0.538	0.530	0.526	0.540	2.30

Response Factor Report 7890

Method Path : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\
Method File : 624N052219W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Thu May 23 05:54:54 2019
Response Via : Initial Calibration

Calibration Files
5 =VN055723.D 20 =VN055724.D 50 =VN055725.D
100 =VN055726.D 150 =VN055727.D

		Compound	5	20	50	100	150	Avg	%RSD
53)	M	Dibromochloromethan	0.396	0.384	0.388	0.386	0.381	0.387	1.49
54)	M	1,2-Dibromoethane	0.347	0.340	0.340	0.336	0.332	0.339	1.66
55)	M	2-Chloroethyl vinyl	0.199	0.202	0.205	0.206	0.215	0.205	3.05
56)	M	Bromoform	0.318	0.318	0.319	0.318	0.314	0.318	0.72
57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Pentanon	0.542	0.514	0.493	0.467	0.468	0.497	6.39
59)	M	2-Hexanone	0.383	0.363	0.353	0.337	0.339	0.355	5.30
60)	S	4-Bromofluorobenzen	0.434	0.462	0.466	0.483	0.489	0.467	4.69
61)	M	Tetrachloroethene	0.435	0.424	0.403	0.385	0.383	0.406	5.62
62)	M	Toluene	1.697	1.653	1.619	1.560	1.538	1.613	4.07
63)	S	Toluene-d8	1.413	1.395	1.367	1.346	1.334	1.371	2.41
64)	M	Chlorobenzene	1.007	0.994	0.977	0.961	0.953	0.979	2.31
65)		1,1,1,2-Tetrachloro	0.427	0.403	0.391	0.380	0.372	0.394	5.43
66)	M	Ethyl Benzene	1.844	1.800	1.760	1.719	1.691	1.763	3.47
67)	M	m/p-Xylenes	0.693	0.685	0.669	0.655	0.646	0.670	2.95
68)	M	o-Xylene	0.704	0.682	0.656	0.641	0.630	0.663	4.55
69)	M	Styrene	1.066	1.093	1.107	1.104	1.096	1.093	1.46
70)		Isopropylbenzene	1.825	1.774	1.719	1.671	1.679	1.734	3.77
71)	M	1,1,2,2-Tetrachloro	0.572	0.553	0.529	0.507	0.507	0.534	5.41
72)		1,2,3-Trichloroprop	0.502	0.485	0.437	0.416	0.456	0.459	7.59
73)		Bromobenzene	0.455	0.461	0.458	0.456	0.464	0.459	0.86
74)		n-propylbenzene	1.816	1.881	1.881	1.857	1.913	1.870	1.93
75)		2-Chlorotoluene	1.158	1.169	1.142	1.114	1.129	1.142	1.91
76)		1,3,5-Trimethylbenz	1.480	1.469	1.432	1.397	1.387	1.433	2.90
77)		t-1,4-Dichloro-2-bu	0.191	0.178	0.180	0.178	0.184	0.182	2.88
78)		4-Chlorotoluene	0.999	1.077	1.108	1.114	1.114	1.082	4.51
79)		tert-butylbenzene	1.364	1.306	1.248	1.202	1.179	1.260	6.03
80)		1,2,4-Trimethylbenz	1.464	1.442	1.419	1.408	1.379	1.423	2.29
81)		sec-Butylbenzene	1.642	1.635	1.602	1.567	1.557	1.601	2.40
82)		p-Isopropyltoluene	1.472	1.492	1.473	1.466	1.462	1.473	0.79
83)	M	1,3-Dichlorobenzene	0.622	0.713	0.736	0.760	0.765	0.719	8.08
84)	M	1,4-Dichlorobenzene	0.558	0.665	0.711	0.734	0.755	0.685	11.44
85)		n-Butylbenzene	1.012	1.102	1.173	1.210	1.233	1.146	7.85
86)	T	Hexachloroethane	0.304	0.296	0.289	0.283	0.276	0.290	3.77
87)	M	1,2-Dichlorobenzene	0.670	0.729	0.736	0.740	0.744	0.724	4.21
88)		1,2-Dibromo-3-Chlor	0.103	0.103	0.099	0.098	0.103	0.101	2.26
89)		1,2,4-Trichlorobenz	0.244	0.338	0.408	0.460	0.503	0.391	26.29
90)		Hexachlorobutadiene	0.307	0.298	0.286	0.284	0.285	0.292	3.49
91)	M	Naphthalene	0.722	0.947	1.120	1.220	1.329	1.068	22.36
92)		1,2,3-Trichlorobenz	0.288	0.379	0.421	0.460	0.495	0.408	19.68

(#) = Out of Range