Response Factor Report MSVOA_X

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 624X051524W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Thu May 16 05:13:13 2024
Response Via : Initial Calibration

Calibration Files
5 =VX041531.D 20 =VX041532.D 50 =VX041533.D 100 =VX041534.D 150 =VX041535.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	1.716	1.442	1.486	1.593	1.608	1.569	6.87
3)	M	Chloromethane	1.871	1.699	1.573	1.710	1.739	1.718	6.18
4)	M	Vinyl Chloride	2.001	1.764	1.707	1.774	1.799	1.809	6.20
5)	M	Bromomethane	1.183	1.083	1.102	1.201	1.183	1.151	4.69
6)	M	Chloroethane	1.169	0.879	0.842	0.862	0.821	0.915	15.74
7)	M	Trichlorofluorom...	3.257	2.708	2.568	2.613	2.584	2.746	10.59
8)	T	Diethyl Ether	1.094	0.968	0.986	1.028	1.051	1.025	4.93
9)		1,1,2-Trichlorot...	1.676	1.683	1.376	1.506	1.720	1.592	9.20
10)	M	1,1-Dichloroethene	1.496	1.624	1.363	1.475	1.717	1.535	8.97
11)		Methyl Iodide	1.425	1.785	1.693	2.118	2.119	1.828	16.20
12)		Methyl Acetate	2.607	2.297	1.919	2.366	2.370	2.312	10.77
13)	M	Acrolein	0.213	0.287	0.265	0.293	0.349	0.281	17.51
14)	M	Acrylonitrile	1.065	0.975	0.973	1.027	1.043	1.016	4.04
15)	M	Acetone	0.290	0.285	0.233	0.279	0.275	0.272	8.33
16)	M	Carbon Disulfide	2.803	3.240	3.062	4.001	4.221	3.465	17.73
17)		Allyl chloride	2.821	2.706	2.346	2.921	2.825	2.724	8.25
18)	M	Methylene Chloride	1.995	1.848	1.538	1.873	1.874	1.826	9.34
19)	M	trans-1,2-Dichlo...	1.834	1.706	1.710	1.756	1.794	1.760	3.12
20)	T	Diisopropyl ether	5.911	5.607	5.605	5.706	5.786	5.723	2.26
21)	M	1,1-Dichloroethane	3.323	3.091	3.135	3.241	3.270	3.212	3.00
22)	M	cis-1,2-Dichloro...	2.227	2.031	2.094	2.145	2.197	2.139	3.68
23)	M	tert-Butyl Alcohol	0.467	0.414	0.370	0.450	0.456	0.431	9.14
24)	M	Methyl tert-Buty...	5.894	5.498	5.602	5.810	5.848	5.730	2.99
25)	M	Chloroform	3.632	3.316	3.331	3.414	3.416	3.422	3.69
26)		Cyclohexane	2.887	2.595	2.544	2.647	2.718	2.678	4.98
27)	s	1,2-Dichloroetha...	2.534	2.371	2.341	2.283	2.284	2.362	4.37
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.387	0.385	0.390	0.410	0.412	0.397	3.33
30)	M	2-Butanone	0.277	0.258	0.255	0.268	0.259	0.263	3.40
31)		2,2-Dichloropropane	0.430	0.456	0.465	0.490	0.487	0.466	5.25
32)	M	1,1,1-Trichloroe...	0.523	0.516	0.517	0.556	0.550	0.532	3.58
33)	M	Carbon Tetrachlo...	0.414	0.437	0.446	0.490	0.492	0.456	7.52
34)	M	Benzene	1.246	1.243	1.228	1.291	1.259	1.253	1.90
35)		Methacrylonitrile	0.247	0.260	0.272	0.281	0.269	0.266	4.87
36)	M	1,2-Dichloroethane	0.472	0.461	0.459	0.480	0.467	0.468	1.84
37)	M	Trichloroethene	0.343	0.341	0.340	0.359	0.363	0.349	3.08
38)		Methylcyclohexane	0.499	0.493	0.488	0.519	0.521	0.504	2.96
39)	M	1,2-Dichloropropane	0.287	0.297	0.284	0.310	0.303	0.296	3.57
40)		Dibromomethane	0.236	0.223	0.224	0.242	0.240	0.233	3.78
41)	M	Bromodichloromet...	0.395	0.414	0.434	0.475	0.471	0.438	8.00
42)	M	Vinyl Acetate	0.854	0.895	0.911	0.970	0.940	0.914	4.83
43)		Ethyl Acetate	0.538	0.496	0.486	0.518	0.504	0.508	3.95
44)		Isopropyl Acetate	0.712	0.740	0.753	0.821	0.815	0.768	6.24
45)	T	1,4-Dioxane	0.009	0.009	0.008	0.009	0.009	0.009	3.25
46)		Methyl methacrylate	0.344	0.367	0.380	0.413	0.407	0.382	7.52
47)		n-amyl Acetate	0.601	0.662	0.695	0.769	0.757	0.697	9.93
48)	M	t-1,3-Dichloropr...	0.364	0.404	0.440	0.495	0.495	0.440	12.98
49)	T	cis-1,3-Dichloro...	0.408	0.447	0.478	0.524	0.524	0.476	10.51
50)	M	1,1,2-Trichloroe...	0.322	0.316	0.319	0.336	0.329	0.324	2.58
51)		Ethyl methacrylate	0.469	0.493	0.519	0.568	0.561	0.522	8.19
52)		1,3-Dichloropropane	0.537	0.530	0.518	0.555	0.540	0.536	2.58
53)	M	Dibromochloromet...	0.306	0.341	0.369	0.414	0.415	0.369	12.82
54)	M	1,2-Dibromoethane	0.331	0.338	0.336	0.362	0.353	0.344	3.78
55)	M	2-Chloroethyl vi...	0.245	0.253	0.250	0.265	0.261	0.255	3.24
56)	M	Bromoform	0.229	0.260	0.296	0.345	0.348	0.296	17.63

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 624X051524W.M

57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.558	0.550	0.521	0.568	0.545	0.548	3.22
59)	M	2-Hexanone	0.459	0.427	0.424	0.448	0.425	0.437	3.63
60)	S	4-Bromofluoroben...	0.464	0.476	0.439	0.483	0.480	0.468	3.85
61)	M	Tetrachloroethene	0.382	0.359	0.363	0.362	0.369	0.367	2.48
62)	M	Toluene	1.519	1.473	1.468	1.511	1.493	1.493	1.52
63)	S	Toluene-d8	1.311	1.302	1.284	1.276	1.258	1.286	1.61
64)	M	Chlorobenzene	1.019	0.986	0.999	1.042	1.024	1.014	2.15
65)		1,1,1,2-Tetrachl...	0.334	0.344	0.355	0.382	0.380	0.359	5.92
66)	M	Ethyl Benzene	1.610	1.630	1.655	1.707	1.686	1.658	2.39
67)	M	m/p-Xylenes	0.562	0.653	0.662	0.684	0.680	0.648	7.67
68)	M	o-Xylene	0.632	0.634	0.648	0.679	0.670	0.652	3.28
69)	M	Styrene	0.992	1.055	1.098	1.167	1.158	1.094	6.70
70)		Isopropylbenzene	1.612	1.663	1.530	1.729	1.710	1.649	4.86
71)	M	1,1,2,2-Tetrachl...	0.556	0.555	0.561	0.592	0.569	0.566	2.67
72)		1,2,3-Trichlorop...	0.513	0.506	0.519	0.482	0.534	0.511	3.78
73)		Bromobenzene	0.472	0.467	0.477	0.504	0.502	0.484	3.63
74)		n-propylbenzene	1.727	1.820	1.864	1.960	1.924	1.859	4.92
75)		2-Chlorotoluene	1.165	1.154	1.153	1.193	1.172	1.167	1.41
76)		1,3,5-Trimethylb...	1.327	1.372	1.405	1.472	1.460	1.407	4.32
77)		t-1,4-Dichloro-2...	0.110	0.144	0.152	0.198	0.198	0.161	23.51
78)		4-Chlorotoluene	1.267	1.307	1.319	1.388	1.367	1.330	3.66
79)		tert-butylbenzene	1.398	1.460	1.491	1.583	1.557	1.498	4.98
80)		1,2,4-Trimethylb...	1.308	1.395	1.412	1.479	1.458	1.411	4.72
81)		sec-Butylbenzene	1.643	1.703	1.760	1.838	1.808	1.750	4.52
82)		p-Isopropyltoluene	1.360	1.481	1.556	1.640	1.623	1.532	7.49
83)	M	1,3-Dichlorobenzene	0.815	0.832	0.859	0.924	0.914	0.869	5.60
84)	M	1,4-Dichlorobenzene	0.827	0.841	0.873	0.933	0.916	0.878	5.23
85)		n-Butylbenzene	1.040	1.144	1.246	1.364	1.371	1.233	11.57
86)	T	Hexachloroethane	0.219	0.234	0.257	0.286	0.295	0.258	12.66
87)	M	1,2-Dichlorobenzene	0.857	0.858	0.873	0.935	0.912	0.887	3.95
88)		1,2-Dibromo-3-Ch...	0.104	0.117	0.123	0.139	0.139	0.124	12.00
89)		1,2,4-Trichlorob...	0.516	0.558	0.610	0.673	0.622	0.596	10.15
90)		Hexachlorobutadiene	0.287	0.279	0.286	0.315	0.286	0.291	4.74
91)	M	Naphthalene	1.547	1.699	1.846	2.011	1.802	1.781	9.68
92)		1,2,3-Trichlorob...	0.566	0.588	0.581	0.683	0.626	0.609	7.68

(#) = Out of Range