Response Factor Report MSVOA_X

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 624X051321W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Thu May 13 06:11:35 2021
Response Via : Initial Calibration

Calibration Files
5 =VX021932.D 10 =VX021933.D 20 =VX021934.D 50 =VX021935.D 100 =VX021936.D

		Compound	5	10	20	50	100	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	1.857	1.634	1.668	1.829	1.867	1.771	6.27
3)	M	Chloromethane	2.432	1.985	1.895	2.168	2.157	2.127	9.68
4)	M	Vinyl Chloride	2.455	1.953	2.028	2.262	2.349	2.209	9.63
5)	M	Bromomethane	1.641	1.165	1.246	1.124	1.041	1.243	18.85
6)	M	Chloroethane	1.645	1.233	1.305	1.453	1.475	1.422	11.29
7)	M	Trichlorofluorom...	3.560	2.694	2.830	3.120	3.231	3.087	11.06
8)	T	Diethyl Ether	1.569	1.131	1.207	1.341	1.371	1.324	12.73
9)		1,1,2-Trichlorot...	2.132	1.571	1.608	1.716	1.825	1.770	12.72
10)	M	1,1-Dichloroethene	2.150	1.542	1.611	1.798	1.815	1.783	13.26
11)		Methyl Iodide	1.471	1.401	1.644	2.081	2.271	1.773	21.64
12)		Methyl Acetate	2.724	2.221	2.306	2.500	2.578	2.466	8.25
13)	M	Acrolein	0.365	0.338	0.351	0.406	0.451	0.382	12.14
14)	M	Acrylonitrile	1.138	0.872	0.946	1.030	1.045	1.006	10.09
15)	M	Acetone	0.337	0.271	0.285	0.302	0.306	0.300	8.30
16)	M	Carbon Disulfide	5.662	4.155	4.441	4.958	5.175	4.878	12.22
17)		Allyl chloride	3.667	2.759	2.835	3.156	3.297	3.143	11.70
18)	M	Methylene Chloride	2.686	1.902	1.852	2.062	2.097	2.120	15.71
19)	M	trans-1,2-Dichlo...	2.263	1.720	1.771	1.922	2.013	1.938	11.15
20)	T	Diisopropyl ether	7.075	5.054	5.298	5.917	6.276	5.924	13.60
21)	M	1,1-Dichloroethane	4.143	3.114	3.241	3.568	3.676	3.548	11.40
22)	M	cis-1,2-Dichloro...	2.613	2.031	2.048	2.301	2.395	2.277	10.76
23)	M	tert-Butyl Alcohol	0.551	0.435	0.462	0.493	0.503	0.489	8.95
24)	M	Methyl tert-Buty...	6.736	5.063	5.354	5.867	6.010	5.806	11.12
25)	M	Chloroform	4.236	3.153	3.196	3.615	3.782	3.596	12.44
26)		Cyclohexane	3.578	2.460	2.639	2.919	3.041	2.927	14.66
27)	s	1,2-Dichloroetha...	2.328	2.259	2.354	2.286	2.328	2.311	1.64
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.533	0.405	0.431	0.479	0.501	0.470	11.06
30)	M	2-Butanone	0.292	0.234	0.248	0.273	0.282	0.266	8.99
31)		2,2-Dichloropropane	0.667	0.477	0.503	0.546	0.566	0.552	13.26
32)	M	1,1,1-Trichloroe...	0.650	0.482	0.495	0.556	0.587	0.554	12.42
33)	M	Carbon Tetrachlo...	0.534	0.401	0.434	0.479	0.502	0.470	11.23
34)	M	Benzene	1.690	1.255	1.283	1.435	1.501	1.433	12.33
35)		Methacrylonitrile	0.320	0.240	0.264	0.292	0.307	0.284	11.40
36)	M	1,2-Dichloroethane	0.569	0.425	0.435	0.497	0.520	0.489	12.29
37)	M	Trichloroethene	0.424	0.308	0.327	0.361	0.380	0.360	12.59
38)		Methylcyclohexane	0.641	0.441	0.482	0.533	0.568	0.533	14.53
39)	M	1,2-Dichloropropane	0.409	0.301	0.324	0.367	0.387	0.358	12.50
40)		Dibromomethane	0.285	0.218	0.227	0.257	0.258	0.249	10.88
41)	M	Bromodichloromet...	0.570	0.418	0.446	0.517	0.534	0.497	12.70
42)	M	Vinyl Acetate	1.111	0.843	0.903	1.016	1.090	0.993	11.73
43)		Ethyl Acetate	0.626	0.476	0.501	0.536	0.562	0.540	10.78
44)		Isopropyl Acetate	1.021	0.762	0.812	0.905	0.954	0.891	11.78
45)	T	1,4-Dioxane	0.008	0.007	0.008	0.008	0.009	0.008#	6.56
46)		Methyl methacrylate	0.473	0.345	0.372	0.430	0.445	0.413	12.83
47)		n-amyl Acetate	0.786	0.621	0.672	0.784	0.840	0.741	12.23
48)	M	t-1,3-Dichloropr...	0.607	0.475	0.503	0.586	0.618	0.558	11.56
49)	T	cis-1,3-Dichloro...	0.653	0.509	0.553	0.619	0.660	0.599	10.95
50)	M	1,1,2-Trichloroe...	0.400	0.305	0.321	0.367	0.378	0.354	11.23
51)		Ethyl methacrylate	0.633	0.489	0.524	0.592	0.619	0.571	10.93
52)		1,3-Dichloropropane	0.737	0.519	0.565	0.622	0.645	0.618	13.41
53)	M	Dibromochloromet...	0.390	0.303	0.318	0.375	0.393	0.356	11.84
54)	M	1,2-Dibromoethane	0.401	0.312	0.333	0.383	0.390	0.364	10.65
55)	M	2-Chloroethyl vi...	0.344	0.257	0.275	0.310	0.322	0.302	11.64
56)	M	Bromoform	0.240	0.190	0.203	0.243	0.252	0.226	12.15

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57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.673	0.539	0.558	0.615	0.640	0.605	9.25
59)	M	2-Hexanone	0.482	0.404	0.414	0.459	0.481	0.448	8.22
60)	S	4-Bromofluoroben...	0.486	0.497	0.506	0.503	0.497	0.498	1.51
61)	M	Tetrachloroethene	0.403	0.313	0.311	0.332	0.343	0.340	11.04
62)	M	Toluene	2.000	1.514	1.552	1.727	1.795	1.718	11.45
63)	S	Toluene-d8	1.359	1.391	1.370	1.375	1.359	1.371	0.98
64)	M	Chlorobenzene	1.162	0.931	0.928	1.039	1.076	1.027	9.69
65)		1,1,1,2-Tetrachl...	0.418	0.320	0.342	0.395	0.399	0.375	11.15
66)	M	Ethyl Benzene	2.152	1.661	1.711	1.912	2.013	1.890	10.87
67)	M	m/p-Xylenes	0.826	0.635	0.638	0.722	0.759	0.716	11.40
68)	M	o-Xylene	0.802	0.604	0.647	0.705	0.729	0.698	10.92
69)	M	Styrene	1.323	1.028	1.044	1.185	1.256	1.167	11.07
70)		Isopropylbenzene	2.086	1.611	1.678	1.868	1.918	1.832	10.41
71)	M	1,1,2,2-Tetrachl...	0.670	0.535	0.562	0.607	0.646	0.604	9.31
72)		1,2,3-Trichlorop...	0.608	0.489	0.481	0.541	0.559	0.535	9.79
73)		Bromobenzene	0.441	0.338	0.361	0.397	0.404	0.388	10.25
74)		n-propylbenzene	2.413	1.817	1.924	2.205	2.319	2.136	11.97
75)		2-Chlorotoluene	1.426	1.104	1.152	1.293	1.349	1.265	10.61
76)		1,3,5-Trimethylb...	1.715	1.332	1.397	1.549	1.656	1.530	10.71
77)		t-1,4-Dichloro-2...	0.221	0.181	0.201	0.231	0.251	0.217	12.55
78)		4-Chlorotoluene	1.654	1.230	1.314	1.483	1.598	1.456	12.44
79)		tert-butylbenzene	1.705	1.273	1.330	1.482	1.525	1.463	11.69
80)		1,2,4-Trimethylb...	1.736	1.322	1.384	1.564	1.638	1.529	11.32
81)		sec-Butylbenzene	2.069	1.587	1.675	1.871	1.992	1.839	11.15
82)		p-Isopropyltoluene	1.707	1.318	1.411	1.590	1.680	1.541	11.04
83)	M	1,3-Dichlorobenzene	0.840	0.635	0.673	0.740	0.791	0.736	11.40
84)	M	1,4-Dichlorobenzene	0.819	0.628	0.689	0.755	0.800	0.738	10.74
85)		n-Butylbenzene	1.553	1.166	1.250	1.470	1.624	1.413	13.92
86)	T	Hexachloroethane	0.283	0.217	0.226	0.267	0.287	0.256	12.82
87)	M	1,2-Dichlorobenzene	0.790	0.611	0.658	0.734	0.771	0.713	10.67
88)		1,2-Dibromo-3-Ch...	0.138	0.118	0.121	0.140	0.155	0.135	11.18
89)		1,2,4-Trichlorob...	0.468	0.371	0.383	0.465	0.496	0.437	12.82
90)		Hexachlorobutadiene	0.184	0.140	0.154	0.175	0.192	0.169	12.79
91)	M	Naphthalene	1.786	1.421	1.566	1.840	1.950	1.713	12.53
92)		1,2,3-Trichlorob...	0.453	0.362	0.397	0.463	0.493	0.433	12.25

(#) = Out of Range