Response Factor Report MSVOA_X

Method Path : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\
Method File : 624X031220W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Thu Mar 12 14:12:53 2020
Response Via : Initial Calibration

Calibration Files
5 =VX015229.D 20 =VX015230.D 50 =VX015231.D
100 =VX015232.D 150 =VX015233.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoromet	1.660	1.467	1.447	1.417	1.553	1.509	6.54
3)	M	Chloromethane	2.335	2.199	2.038	2.036	2.283	2.178	6.33
4)	M	Vinyl Chloride	2.312	2.227	2.090	2.117	2.338	2.217	5.03
5)	M	Bromomethane	1.615	1.428	1.313	1.362	1.503	1.444	8.26
6)	M	Chloroethane	1.499	1.409	1.290	1.333	1.430	1.392	5.92
7)	M	Trichlorofluorometh	2.949	2.870	2.678	2.701	2.933	2.826	4.54
8)	T	Diethyl Ether	1.336	1.263	1.155	1.196	1.313	1.253	6.12
9)		1,1,2-Trichlorotrif	1.949	1.715	1.612	1.627	1.763	1.733	7.84
10)	M	1,1-Dichloroethene	1.871	1.734	1.649	1.662	1.820	1.747	5.56
11)		Methyl Iodide	1.284	1.467	1.899	2.058	2.277	1.797	22.97
12)		Methyl Acetate	2.158	2.051	2.162	2.102	2.304	2.155	4.38
13)	M	Acrolein	0.415	0.324	0.312	0.310	0.340	0.340	12.81
14)	M	Acrylonitrile	1.024	0.931	0.992	0.974	1.079	1.000	5.54
15)	M	Acetone	0.324	0.327	0.278	0.259	0.279	0.293	10.40
16)	M	Carbon Disulfide	5.111	4.444	4.783	4.817	5.310	4.893	6.78
17)		Allyl chloride	3.251	3.023	3.202	3.215	3.516	3.241	5.46
18)	M	Methylene Chloride	2.137	1.852	1.917	1.885	2.082	1.975	6.42
19)	M	trans-1,2-Dichloroe	1.981	1.729	1.856	1.844	2.013	1.885	6.08
20)	T	Diisopropyl ether	6.726	6.086	6.356	6.324	6.704	6.439	4.23
21)	M	1,1-Dichloroethane	3.626	3.196	3.288	3.313	3.636	3.412	6.00
22)	M	cis-1,2-Dichloroeth	2.325	2.034	2.085	2.089	2.120	2.130	5.31
23)	M	tert-Butyl Alcohol	0.421	0.354	0.377	0.376	0.427	0.391	8.00
24)	M	Methyl tert-Butyl E	5.805	5.258	5.552	5.555	6.057	5.645	5.32
25)	M	Chloroform	3.437	3.204	3.175	3.180	3.232	3.246	3.38
26)		Cyclohexane	3.362	3.051	3.134	3.145	3.160	3.171	3.63
27)	s	1,2-Dichloroethane-	1.958	2.111	2.012	2.008	2.030	2.024	2.74
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.532	0.442	0.453	0.448	0.427	0.460	8.98
30)	M	2-Butanone	0.270	0.241	0.254	0.240	0.227	0.247	6.67
31)		2,2-Dichloropropane	0.530	0.437	0.473	0.471	0.453	0.473	7.44
32)	M	1,1,1-Trichloroetha	0.573	0.486	0.492	0.486	0.469	0.501	8.19
33)	M	Carbon Tetrachlorid	0.467	0.410	0.429	0.424	0.413	0.429	5.29
34)	M	Benzene	1.573	1.372	1.384	1.360	1.286	1.395	7.64
35)		Methacrylonitrile	0.285	0.245	0.275	0.272	0.256	0.267	6.03
36)	M	1,2-Dichloroethane	0.552	0.460	0.449	0.441	0.425	0.465	10.77
37)	M	Trichloroethene	0.426	0.362	0.382	0.376	0.383	0.386	6.24
38)		Methylcyclohexane	0.589	0.506	0.565	0.558	0.578	0.559	5.71
39)	M	1,2-Dichloropropane	0.384	0.337	0.358	0.358	0.365	0.360	4.64
40)		Dibromomethane	0.249	0.216	0.228	0.223	0.229	0.229	5.44
41)	M	Bromodichloromethan	0.474	0.410	0.455	0.456	0.469	0.453	5.57
42)	M	Vinyl Acetate	1.061	0.892	0.975	0.964	0.969	0.972	6.17
43)		Ethyl Acetate	0.495	0.433	0.487	0.474	0.450	0.468	5.52
44)		Isopropyl Acetate	0.843	0.766	0.795	0.788	0.764	0.791	4.01
45)	T	1,4-Dioxane	0.008	0.007	0.008	0.008	0.008	0.008#	6.10
46)		Methyl methacrylate	0.376	0.361	0.400	0.402	0.412	0.390	5.37
47)		n-amyl Acetate	0.699	0.668	0.718	0.736	0.730	0.710	3.87
48)	M	t-1,3-Dichloroprope	0.475	0.443	0.515	0.521	0.510	0.493	6.68
49)	T	cis-1,3-Dichloropro	0.558	0.524	0.580	0.575	0.560	0.559	3.91
50)	M	1,1,2-Trichloroetha	0.374	0.318	0.343	0.336	0.323	0.339	6.52
51)		Ethyl methacrylate	0.515	0.488	0.546	0.553	0.539	0.528	5.06
52)		1,3-Dichloropropane	0.620	0.542	0.585	0.573	0.545	0.573	5.63

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		Compound	5	20	50	100	150	Avg	%RSD
53)	M	Dibromochloromethan	0.362	0.330	0.371	0.373	0.368	0.361	4.91
54)	M	1,2-Dibromoethane	0.361	0.331	0.360	0.354	0.340	0.349	3.78
55)	M	2-Chloroethyl vinyl	0.253	0.247	0.279	0.279	0.265	0.265	5.66
56)	M	Bromoform	0.274	0.266	0.285	0.294	0.296	0.283	4.57
57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Pentanon	0.538	0.478	0.520	0.503	0.515	0.511	4.34
59)	M	2-Hexanone	0.403	0.362	0.393	0.378	0.393	0.386	4.17
60)	S	4-Bromofluorobenzen	0.467	0.475	0.470	0.481	0.494	0.478	2.21
61)	M	Tetrachloroethene	0.483	0.398	0.415	0.393	0.399	0.418	8.96
62)	M	Toluene	1.784	1.471	1.573	1.540	1.569	1.588	7.40
63)	S	Toluene-d8	1.313	1.241	1.291	1.285	1.295	1.285	2.06
64)	M	Chlorobenzene	1.111	0.987	0.990	0.978	1.006	1.014	5.40
65)		1,1,1,2-Tetrachloro	0.403	0.363	0.362	0.363	0.377	0.374	4.75
66)	M	Ethyl Benzene	1.866	1.706	1.754	1.747	1.771	1.768	3.36
67)	M	m/p-Xylenes	0.721	0.653	0.671	0.665	0.684	0.679	3.85
68)	M	o-Xylene	0.698	0.621	0.638	0.640	0.657	0.651	4.48
69)	M	Styrene	1.148	1.090	1.131	1.124	1.171	1.133	2.65
70)		Isopropylbenzene	1.826	1.686	1.707	1.692	1.751	1.732	3.35
71)	M	1,1,2,2-Tetrachloro	0.608	0.537	0.534	0.533	0.600	0.562	6.74
72)		1,2,3-Trichloroprop	0.498	0.452	0.438	0.439	0.474	0.460	5.50
73)		Bromobenzene	0.501	0.449	0.453	0.455	0.505	0.472	5.85
74)		n-propylbenzene	2.096	1.925	2.014	1.989	2.208	2.047	5.34
75)		2-Chlorotoluene	1.255	1.133	1.156	1.149	1.282	1.195	5.70
76)		1,3,5-Trimethylbenz	1.560	1.404	1.428	1.438	1.564	1.479	5.21
77)		t-1,4-Dichloro-2-bu	0.186	0.171	0.191	0.200	0.216	0.193	8.51
78)		4-Chlorotoluene	1.421	1.317	1.333	1.334	1.474	1.376	4.97
79)		tert-butylbenzene	1.442	1.243	1.367	1.359	1.521	1.386	7.46
80)		1,2,4-Trimethylbenz	1.501	1.327	1.434	1.430	1.619	1.462	7.34
81)		sec-Butylbenzene	1.800	1.549	1.703	1.682	1.870	1.721	7.11
82)		p-Isopropyltoluene	1.652	1.436	1.572	1.568	1.683	1.582	6.07
83)	M	1,3-Dichlorobenzene	0.887	0.762	0.808	0.814	0.904	0.835	7.09
84)	M	1,4-Dichlorobenzene	0.909	0.753	0.818	0.821	0.874	0.835	7.12
85)		n-Butylbenzene	1.380	1.249	1.401	1.415	1.488	1.387	6.28
86)	T	Hexachloroethane	0.284	0.240	0.272	0.283	0.306	0.277	8.73
87)	M	1,2-Dichlorobenzene	0.902	0.742	0.801	0.791	0.833	0.814	7.28
88)		1,2-Dibromo-3-Chlor	0.119	0.102	0.117	0.117	0.124	0.116	7.17
89)		1,2,4-Trichlorobenz	0.604	0.534	0.597	0.607	0.666	0.602	7.80
90)		Hexachlorobutadiene	0.341	0.284	0.295	0.298	0.329	0.310	7.80
91)	M	Naphthalene	1.542	1.490	1.723	1.727	1.852	1.667	8.91
92)		1,2,3-Trichlorobenz	0.641	0.538	0.610	0.591	0.648	0.605	7.27

(#) = Out of Range