Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N060622W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Mon Jun 06 14:10:15 2022
Response Via : Initial Calibration

Calibration Files
5 =VN072662.D 20 =VN072657.D 50 =VN072658.D 100 =VN072659.D 150 =VN072660.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	2.562	2.242	2.126	2.170	2.137	2.247	8.09
3)	M	Chloromethane	2.945	2.411	2.284	2.255	2.323	2.444	11.72
4)	M	Vinyl Chloride	2.520	2.214	2.080	2.117	2.087	2.204	8.38
5)	M	Bromomethane	1.551	1.111	1.016	1.096	0.924	1.140	21.20
6)	M	Chloroethane	1.749	1.573	1.318	1.389	1.317	1.469	12.81
7)	M	Trichlorofluorom...	4.502	4.016	3.781	3.884	3.735	3.984	7.76
8)	T	Diethyl Ether	1.678	1.555	1.494	1.516	1.479	1.544	5.16
9)		1,1,2-Trichlorot...	2.374	2.109	2.012	2.029	1.969	2.099	7.73
10)	M	1,1-Dichloroethene	2.344	1.943	1.856	1.914	1.853	1.982	10.38
11)		Methyl Iodide	1.539	2.058	2.018	2.161	2.148	1.984	12.92
12)		Methyl Acetate	4.850	3.994	3.888	3.913	3.803	4.089	10.53
13)	M	Acrolein	0.461	0.334	0.322	0.334	0.338	0.358	16.12
14)	M	Acrylonitrile	1.774	1.689	1.615	1.644	1.612	1.667	4.03
15)	M	Acetone	0.511	0.457	0.433	0.432	0.424	0.451	7.90
16)	M	Carbon Disulfide	6.573	4.717	4.472	4.648	4.573	4.997	17.73
17)		Allyl chloride	4.607	4.283	4.128	4.235	4.156	4.282	4.49
18)	M	Methylene Chloride	2.839	2.520	2.354	2.374	2.358	2.489	8.33
19)	M	trans-1,2-Dichlo...	2.487	2.162	2.047	2.047	1.983	2.145	9.41
20)	T	Diisopropyl ether	8.601	8.745	8.296	8.482	8.276	8.480	2.36
21)	M	1,1-Dichloroethane	5.255	4.694	4.525	4.619	4.464	4.711	6.71
22)	M	cis-1,2-Dichloro...	2.997	2.734	2.543	2.607	2.552	2.687	7.05
23)	M	tert-Butyl Alcohol	0.865	0.805	0.720	0.747	0.741	0.776	7.61
24)	M	Methyl tert-Buty...	9.406	8.962	8.510	8.719	8.478	8.815	4.35
25)	M	Chloroform	5.277	4.898	4.659	4.745	4.619	4.840	5.52
26)		Cyclohexane	4.544	3.932	3.712	3.759	3.694	3.928	9.09
27)	s	1,2-Dichloroetha...	3.447	3.532	3.456	3.374	3.299	3.421	2.58
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.636	0.546	0.540	0.572	0.565	0.572	6.69
30)	M	2-Butanone	0.445	0.404	0.401	0.413	0.406	0.414	4.38
31)		2,2-Dichloropropane	0.851	0.757	0.731	0.771	0.761	0.774	5.85
32)	M	1,1,1-Trichloroe...	0.814	0.731	0.715	0.746	0.734	0.748	5.14
33)	M	Carbon Tetrachlo...	0.710	0.626	0.611	0.649	0.631	0.645	5.97
34)	M	Benzene	1.852	1.644	1.618	1.683	1.662	1.692	5.47
35)		Methacrylonitrile	0.454	0.377	0.383	0.413	0.403	0.406	7.51
36)	M	1,2-Dichloroethane	0.775	0.709	0.677	0.717	0.696	0.715	5.18
37)	M	Trichloroethene	0.447	0.390	0.388	0.408	0.407	0.408	5.89
38)		Methylcyclohexane	0.780	0.650	0.645	0.672	0.666	0.683	8.15
39)	M	1,2-Dichloropropane	0.509	0.451	0.443	0.466	0.457	0.465	5.56
40)		Dibromomethane	0.347	0.308	0.302	0.322	0.316	0.319	5.53
41)	M	Bromodichloromet...	0.705	0.672	0.652	0.697	0.687	0.683	3.05
42)	M	Vinyl Acetate	1.405	1.321	1.306	1.369	1.335	1.347	2.97
43)		Ethyl Acetate	0.820	0.794	0.739	0.812	0.800	0.793	4.05
44)		Isopropyl Acetate	1.431	1.280	1.248	1.311	1.307	1.315	5.27
45)	T	1,4-Dioxane	0.011	0.011	0.010	0.011	0.011	0.011#	3.62
46)		Methyl methacrylate	0.642	0.559	0.541	0.594	0.605	0.588	6.73
47)		n-amyl Acetate	0.977	0.909	1.011	1.103	1.034	1.007	7.10
48)	M	t-1,3-Dichloropr...	0.793	0.737	0.743	0.806	0.817	0.779	4.72
49)	T	cis-1,3-Dichloro...	0.821	0.754	0.756	0.815	0.809	0.791	4.18
50)	M	1,1,2-Trichloroe...	0.481	0.447	0.427	0.451	0.449	0.451	4.29
51)		Ethyl methacrylate	0.833	0.787	0.779	0.845	0.842	0.817	3.86
52)		1,3-Dichloropropane	0.835	0.800	0.757	0.812	0.809	0.803	3.58
53)	M	Dibromochloromet...	0.500	0.481	0.477	0.514	0.517	0.498	3.66
54)	M	1,2-Dibromoethane	0.500	0.460	0.447	0.481	0.483	0.474	4.38
55)	M	2-Chloroethyl vi...	0.286	0.287	0.311	0.349	0.368	0.320	11.52
56)	M	Bromoform	0.340	0.322	0.338	0.373	0.361	0.347	5.78

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N060622W.M

57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.958	0.901	0.865	0.894	0.880	0.900	3.92
59)	M	2-Hexanone	0.726	0.672	0.670	0.691	0.651	0.682	4.13
60)	S	4-Bromofluoroben...	0.575	0.596	0.638	0.652	0.623	0.617	5.05
61)	M	Tetrachloroethene	0.434	0.372	0.352	0.355	0.343	0.371	9.82
62)	M	Toluene	2.272	2.010	1.938	1.986	1.965	2.034	6.67
63)	S	Toluene-d8	1.674	1.709	1.668	1.633	1.625	1.662	2.04
64)	M	Chlorobenzene	1.323	1.209	1.189	1.244	1.228	1.238	4.16
65)		1,1,1,2-Tetrachl...	0.496	0.496	0.474	0.488	0.488	0.488	1.88
66)	M	Ethyl Benzene	2.493	2.293	2.242	2.337	2.313	2.335	4.06
67)	M	m/p-Xylenes	0.909	0.826	0.821	0.858	0.844	0.852	4.10
68)	M	o-Xylene	0.939	0.858	0.824	0.866	0.858	0.869	4.86
69)	M	Styrene	1.405	1.295	1.353	1.436	1.408	1.379	4.05
70)		Isopropylbenzene	2.385	2.207	2.190	2.304	2.268	2.271	3.46
71)	M	1,1,2,2-Tetrachl...	0.830	0.759	0.760	0.782	0.712	0.769	5.56
72)		1,2,3-Trichlorop...	0.710	0.736	0.639	0.648	0.621	0.671	7.40
73)		Bromobenzene	0.475	0.443	0.452	0.477	0.461	0.462	3.19
74)		n-propylbenzene	2.658	2.448	2.548	2.683	2.654	2.598	3.79
75)		2-Chlorotoluene	1.715	1.537	1.556	1.647	1.598	1.611	4.47
76)		1,3,5-Trimethylb...	1.921	1.790	1.818	1.919	1.872	1.864	3.16
77)		t-1,4-Dichloro-2...	0.265	0.263	0.289	0.304	0.293	0.283	6.31
78)		4-Chlorotoluene	1.532	1.425	1.484	1.600	1.566	1.522	4.55
79)		tert-butylbenzene	1.754	1.610	1.618	1.698	1.640	1.664	3.66
80)		1,2,4-Trimethylb...	2.250	2.104	2.213	2.355	2.314	2.247	4.33
81)		sec-Butylbenzene	2.250	2.104	2.213	2.355	2.314	2.247	4.33
82)		p-Isopropyltoluene	1.743	1.639	1.794	1.920	1.875	1.794	6.17
83)	M	1,3-Dichlorobenzene	0.850	0.734	0.798	0.846	0.812	0.808	5.82
84)	M	1,4-Dichlorobenzene	0.786	0.721	0.766	0.843	0.808	0.785	5.84
85)		n-Butylbenzene	1.422	1.355	1.517	1.654	1.658	1.521	8.94
86)	T	Hexachloroethane	0.392	0.380	0.396	0.415	0.403	0.397	3.26
87)	M	1,2-Dichlorobenzene	0.849	0.741	0.799	0.825	0.785	0.800	5.15
88)		1,2-Dibromo-3-Ch...	0.197	0.185	0.192	0.195	0.194	0.193	2.33
89)		1,2,4-Trichlorob...	0.402	0.358	0.394	0.432	0.429	0.403	7.47
90)		Hexachlorobutadiene	0.184	0.174	0.180	0.186	0.180	0.181	2.50
91)	M	Naphthalene	1.633	1.423	1.572	1.699	1.713	1.608	7.33
92)		1,2,3-Trichlorob...	0.426	0.360	0.406	0.431	0.427	0.410	7.24

(#) = Out of Range