Response Factor Report MSVOA_L

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL110724AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Fri Nov 08 01:01:00 2024
Response Via : Initial Calibration

Calibration Files
0.03=VL041679.D 0.1 =VL041678.D 0.5 =VL041677.D 1 =VL041676.D 2 =VL041675.D 10 =VL041674.D 15 =VL041680.D

		Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------								
2)	T	Dichlorodifluo...			1.665	1.533	2.128	1.887	1.824	1.807	12.52
3)		Chlorodifluoro...			1.407	1.386	1.360	1.190	1.172	1.303	8.66
4)		Chloromethane			0.714	0.732	0.721	0.649	0.635	0.690	6.46
5)	T	Vinyl Chloride	0.643	0.490	0.627	0.660	0.680	0.626	0.621	0.621	9.91
6)	T	Bromomethane			0.337	0.328	0.347	0.317	0.318	0.329	3.87
7)		Chloroethane			0.227	0.232	0.233	0.223	0.219	0.227	2.65
8)	T	Dichlorotetraf...			1.783	1.677	1.685	1.476	1.446	1.613	9.02
9)	T	Propene			0.566	0.610	0.603	0.530	0.530	0.568	6.76
10)	T	Heptane			1.093	1.257	1.364	1.311	1.336	1.272	8.48
11)	T	Trichlorofluor...			1.609	1.644	1.673	1.480	1.465	1.574	6.09
12)	T	1,1,2-Trichlor...			1.165	1.195	1.214	1.074	1.073	1.144	5.83
13)		Ethanol			0.036	0.033	0.046	0.029	0.030	0.035#	19.45
14)	T	Bromoethene			0.486	0.465	0.476	0.431	0.442	0.460	5.06
15)	T	Acetone			1.201	1.403	1.348	1.098	1.103	1.231	11.36
16)	T	1,3-Butadiene			0.585	0.572	0.689	0.627	0.632	0.621	7.40
17)		tert-Butyl alc...			1.059	1.294	1.036	1.038	0.973	1.080	11.46
18)	T	1,1-Dichloroet...			0.533	0.491	0.521	0.476	0.488	0.502	4.79
19)	T	Isopropyl Alcohol			0.561	0.696	0.600	0.552	0.532	0.588	11.03
20)	T	Methylene Chlo...			0.514	0.501	0.447	0.400	0.402	0.453	11.86
21)	T	Allyl Chloride			0.688	0.807	0.778	0.759	0.770	0.761	5.78
22)	T	trans-1,2-Dich...			0.475	0.515	0.529	0.484	0.493	0.499	4.51
23)	T	Vinyl Acetate			0.492	0.558	0.606	0.514	0.542	0.543	8.07
24)	T	1,1-Dichloroet...			1.074	1.116	1.287	1.045	1.047	1.114	9.06
25)	T	Ethyl Acetate			2.443	2.674	2.681	2.463	2.477	2.548	4.69
26)	T	Hexane			0.881	1.031	1.025	0.966	0.991	0.979	6.19
27)	T	Carbon Disulfide			0.915	1.056	1.141	1.174	1.212	1.100	10.74
28)	T	Methyl tert-Bu...			0.591	0.669	0.739	0.573	0.578	0.630	11.45
29)	T	Chloroform			1.712	1.670	1.646	1.520	1.530	1.616	5.34
30)	T	Cyclohexane			0.901	0.744	0.852	0.825	0.846	0.833	6.87
31)	T	cis-1,2-Dichlo...			0.873	0.972	0.959	0.936	0.968	0.942	4.32
32)	T	1,1,1-Trichlor...	1.373	1.289	1.468	1.574	1.619	1.488	1.507	1.474	7.66
33)	I	1,4-Difluorobenzene	----------ISTD----------								
34)	T	2-Butanone			0.488	0.500	0.524	0.478	0.499	0.498	3.43
35)	T	Carbon Tetrach...	0.420	0.425	0.553	0.563	0.597	0.564	0.572	0.528	13.81
36)	T	Benzene			0.663	0.751	0.803	0.738	0.750	0.741	6.83
37)	T	1,2-Dichloroet...			0.396	0.433	0.435	0.408	0.417	0.418	3.95
38)	T	Trichloroethene	0.273	0.232	0.264	0.289	0.320	0.303	0.313	0.285	10.81
39)	T	1,2-Dichloropr...			0.278	0.299	0.308	0.284	0.294	0.293	4.03

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40)	T	1,4-Dioxane			0.072	0.105	0.123	0.111	0.114	0.105	18.41
41)	T	Tetrahydrofuran			0.234	0.281	0.309	0.295	0.304	0.284	10.65
42)	T	Bromodichlorom...			0.533	0.566	0.615	0.590	0.601	0.581	5.52
43)		Methyl Methacr...			0.196	0.237	0.278	0.288	0.302	0.260	16.62
44)	T	2,2,4-Trimethy...			1.086	1.306	1.391	1.251	1.241	1.255	8.91
45)	T	t-1,3-Dichloro...			0.164	0.210	0.224	0.282	0.308	0.238	24.24
46)	T	cis-1,3-Dichlo...			0.256	0.304	0.350	0.386	0.411	0.341	18.26
47)	T	1,1,2-Trichlor...			0.323	0.315	0.325	0.308	0.313	0.317	2.30
48)	T	Dibromochlorom...			0.396	0.458	0.511	0.515	0.528	0.482	11.34
49)	T	Bromoform			0.317	0.383	0.427	0.459	0.474	0.412	15.45
50)	T	4-Methyl-2-Pen...			0.611	0.753	0.841	0.806	0.811	0.764	11.97
51)	T	2-Hexanone			0.411	0.496	0.601	0.627	0.649	0.557	18.01
52)	T	Tetrachloroethene	0.202	0.192	0.248	0.279	0.285	0.276	0.285	0.252	15.83
53)	T	Toluene			0.560	0.761	0.842	0.855	0.878	0.779	16.73
54)	T	1,2-Dibromoethane		0.237	0.357	0.366	0.417	0.415	0.429	0.370	19.30
55)	I	Chlorobenzene-d5	----------ISTD----------								
56)		1,1,1,2-Tetrac...			0.426	0.434	0.443	0.381	0.377	0.412	7.56
57)	T	Chlorobenzene			0.783	0.780	0.793	0.673	0.669	0.740	8.54
58)	T	Ethyl Benzene			0.868	1.092	1.232	1.141	1.148	1.096	12.52
59)	T	m/p-Xylene			0.832	1.019	1.112	0.975	0.971	0.982	10.29
60)	T	o-Xylene			0.771	0.958	1.068	0.947	0.937	0.936	11.35
61)	T	Styrene			0.250	0.336	0.416	0.456	0.475	0.386	24.14
62)		Isopropylbenzene			1.293	1.527	1.633	1.397	1.380	1.446	9.27
63)	T	1,1,2,2-Tetrac...	0.731	0.568	0.693	0.740	0.773	0.660	0.656	0.689	9.95
64)		n-propylbenzene			0.325	0.377	0.430	0.378	0.382	0.378	9.76
65)		tert-Butylbenzene			1.123	1.382	1.503	1.251	1.238	1.299	11.25
66)	T	Benzyl Chloride			0.083	0.088	0.098	0.108	0.123	0.100	15.94
67)		sec-Butylbenzene			1.586	1.944	2.139	1.761	1.728	1.831	11.68
68)	S	1-Bromo-4-Fluo...	0.741	0.750	0.763	0.745	0.722	0.716	0.721	0.737	2.40
69)		p-Isopropyltol...			1.165	1.568	1.739	1.479	1.453	1.481	14.10
70)		n-Butylbenzene			1.233	1.579	1.758	1.510	1.495	1.515	12.49
71)		2-Chlorotoluene			0.848	1.082	1.182	1.055	1.059	1.045	11.64
72)	T	4-Ethyltoluene			0.864	1.068	1.233	1.131	1.146	1.088	12.74
73)	T	1,3,5-Trimethy...			0.794	0.946	1.096	0.967	0.973	0.955	11.27
74)	T	1,2,4-Trimethy...			0.980	1.174	1.262	1.071	1.060	1.109	9.88
75)	T	1,3-Dichlorobe...			0.643	0.711	0.750	0.659	0.672	0.687	6.30
76)	T	1,4-Dichlorobe...			0.644	0.662	0.711	0.645	0.653	0.663	4.22
77)	T	1,2-Dichlorobe...			0.643	0.722	0.739	0.643	0.657	0.681	6.76
78)	T	Hexachloro-1,3...			0.620	0.620	0.583	0.428	0.441	0.538	17.89
79)	T	Naphthalene		0.269	0.527	0.738	0.854	0.832	0.889	0.685	35.32
80)	T	Naphthalene,2-...			0.121	0.128	0.161	0.140	0.197	0.149	20.61
81)	T	1,2,4-Trichlor...			0.364	0.452	0.456	0.425	0.456	0.431	9.18

(#) = Out of Range