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 : Thu Nov 07 16:24:06 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	0.674	0.490	0.627	0.660	0.680	0.626	0.621	0.625	10.31
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	0.045	0.040	0.030	0.027	0.035#	20.86
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	0.553	0.689	0.627	0.632	0.617	8.36
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			0.598	0.696	0.600	0.552	0.532	0.596	10.59
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	0.523	0.529	0.484	0.493	0.501	4.85
23)	T	Vinyl Acetate			0.599	0.632	0.606	0.514	0.542	0.579	8.43
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			0.665	0.744	0.852	0.825	0.846	0.786	10.21
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...	1.406	1.306	1.468	1.574	1.619	1.488	1.507	1.481	7.00
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...	0.429	0.423	0.553	0.563	0.597	0.564	0.572	0.529	13.50
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	0.280	0.233	0.264	0.289	0.320	0.303	0.313	0.286	10.53
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			0.066	0.109	0.119	0.111	0.114	0.104	20.65
41)	T	Tetrahydrofuran			0.232	0.281	0.309	0.295	0.304	0.284	10.90
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...			0.152	0.196	0.224	0.282	0.308	0.233	27.19
46)	T	cis-1,3-Dichlo...			0.239	0.304	0.350	0.386	0.411	0.338	20.24
47)	T	1,1,2-Trichlor...			0.316	0.315	0.327	0.308	0.313	0.316	2.17
48)	T	Dibromochlorom...			0.396	0.458	0.511	0.515	0.528	0.482	11.34
49)	T	Bromoform			0.317	0.377	0.427	0.459	0.474	0.411	15.71
50)	T	4-Methyl-2-Pen...			0.612	0.753	0.841	0.806	0.811	0.765	11.90
51)	T	2-Hexanone			0.406	0.496	0.601	0.627	0.649	0.556	18.38
52)	T	Tetrachloroethene	0.206	0.193	0.249	0.279	0.285	0.276	0.285	0.253	15.42
53)	T	Toluene			0.560	0.761	0.842	0.855	0.878	0.779	16.73
54)	T	1,2-Dibromoethane		0.238	0.346	0.366	0.417	0.415	0.429	0.369	19.43
55)	I	Chlorobenzene-d5	----------ISTD----------								
56)		1,1,1,2-Tetrac...			0.426	0.434	0.443	0.401	0.377	0.416	6.49
57)	T	Chlorobenzene			0.777	0.780	0.793	0.709	0.669	0.746	7.27
58)	T	Ethyl Benzene			0.865	1.092	1.232	1.202	1.148	1.108	13.16
59)	T	m/p-Xylene			0.832	1.015	1.112	1.028	0.971	0.991	10.37
60)	T	o-Xylene			0.771	0.958	1.068	0.997	0.937	0.946	11.61
61)	T	Styrene			0.239	0.343	0.416	0.480	0.475	0.391	25.94
62)		Isopropylbenzene			1.293	1.527	1.633	1.472	1.380	1.461	8.99
63)	T	1,1,2,2-Tetrac...	0.635	0.565	0.759	0.740	0.773	0.695	0.656	0.689	10.91
64)		n-propylbenzene			0.323	0.377	0.430	0.398	0.382	0.382	10.22
65)		tert-Butylbenzene			1.123	1.382	1.503	1.318	1.238	1.313	10.95
66)	T	Benzyl Chloride			0.073	0.069	0.094	0.114	0.123	0.095	25.26
67)		sec-Butylbenzene			1.586	1.944	2.139	1.855	1.728	1.850	11.37
68)	S	1-Bromo-4-Fluo...	0.722	0.750	0.763	0.745	0.722	0.754	0.721	0.740	2.38
69)		p-Isopropyltol...			1.165	1.568	1.739	1.558	1.453	1.497	14.14
70)		n-Butylbenzene			1.247	1.579	1.758	1.590	1.495	1.534	12.17
71)		2-Chlorotoluene			0.848	1.082	1.182	1.111	1.059	1.056	11.87
72)	T	4-Ethyltoluene			0.856	1.068	1.233	1.192	1.146	1.099	13.57
73)	T	1,3,5-Trimethy...			0.784	0.946	1.096	1.019	0.973	0.964	11.96
74)	T	1,2,4-Trimethy...			0.980	1.174	1.262	1.129	1.060	1.121	9.60
75)	T	1,3-Dichlorobe...			0.634	0.711	0.750	0.695	0.672	0.692	6.25
76)	T	1,4-Dichlorobe...			0.625	0.733	0.711	0.679	0.653	0.680	6.38
77)	T	1,2-Dichlorobe...			0.643	0.722	0.739	0.677	0.657	0.688	6.01
78)	T	Hexachloro-1,3...			0.624	0.626	0.583	0.446	0.441	0.544	17.13
79)	T	Naphthalene		0.311	0.464	0.742	0.854	0.876	0.889	0.689	35.48
80)	T	Naphthalene,2-...			0.032	0.091	0.161	0.152	0.208	0.129	52.87
81)	T	1,2,4-Trichlor...			0.335	0.449	0.456	0.448	0.456	0.429	12.27

(#) = Out of Range