

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\

Method File : VL101123AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

Last Update : Thu Oct 12 00:21:08 2023

Response Via : Initial Calibration

Calibration Files

0.03=VL040759.D 0.1 =VL040758.D 0.5 =VL040757.D 1 =VL040756.D 2 =VL040755.D 10 =VL040754.D 15 =VL040760.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.817	1.796	1.887	1.671	1.635	1.761	5.97
3) Chlorodifluoro...			1.531	1.525	1.541	1.390	1.361	1.470	5.90
4) Chloromethane			0.605	0.583	0.612	0.555	0.547	0.580	5.03
5) T Vinyl Chloride	0.854	0.548	0.576	0.506	0.602	0.561	0.549	0.600	19.37
6) T Bromomethane			0.240	0.258	0.258	0.241	0.244	0.248	3.64
7) Chloroethane			0.208	0.178	0.206	0.195	0.188	0.195	6.44
8) T Dichlorotetra...			1.407	1.364	1.395	1.283	1.225	1.335	5.86
9) T Propene			0.553	0.577	0.560	0.525	0.515	0.546	4.67
10) T Heptane			1.432	1.405	1.460	1.291	1.269	1.371	6.27
11) T Trichlorofluor...			1.364	1.406	1.432	1.302	1.291	1.359	4.57
12) T 1,1,2-Trichlor...			1.001	0.959	1.027	0.943	0.917	0.969	4.56
13) Ethanol			0.134	0.150	0.119	0.111	0.102	0.123	15.36
14) T Bromoethene			0.384	0.416	0.456	0.418	0.402	0.415	6.36
15) T Acetone			1.035	1.074	1.178	0.953	0.928	1.034	9.70
16) T 1,3-Butadiene			0.565	0.488	0.574	0.551	0.533	0.542	6.29
17) tert-Butyl alc...			1.183	1.073	1.031	1.130	0.884	1.060	10.76
18) T 1,1-Dichloroet...			0.437	0.429	0.468	0.422	0.417	0.434	4.69
19) T Isopropyl Alcohol			0.788	0.633	0.635	0.678	0.593	0.665	11.26
20) T Methylene Chlo...			0.553	0.477	0.429	0.350	0.343	0.431	20.55
21) T Allyl Chloride			0.677	0.658	0.706	0.701	0.667	0.682	3.05
22) T trans-1,2-Dich...			0.474	0.414	0.440	0.451	0.533	0.462	9.75
23) T Vinyl Acetate			1.165	1.378	1.236	1.260	1.549	1.317	11.42
24) T 1,1-Dichloroet...			0.917	0.938	1.011	0.943	1.160	0.994	9.99
25) T Ethyl Acetate			2.406	2.256	2.405	2.143	2.116	2.265	6.11
26) T Hexane			1.099	1.079	1.107	0.950	0.941	1.035	7.98
27) T Carbon Disulfide			1.103	1.133	1.218	1.146	1.111	1.142	4.02
28) T Methyl tert-Bu...			0.696	0.788	0.804	0.772	0.965	0.805	12.24
29) T Chloroform			1.524	1.536	1.585	1.408	1.437	1.498	4.89
30) T Cyclohexane			0.949	0.893	0.903	0.837	0.823	0.881	5.87
31) T cis-1,2-Dichlo...			0.896	0.974	1.009	0.928	0.964	0.954	4.54
32) T 1,1,1-Trichlor...	1.974	1.527	1.548	1.557	1.629	1.465	1.460	1.594	11.12

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.440	0.474	0.482	0.388	0.479	0.453	8.80
35) T Carbon Tetrach...	0.627	0.507	0.543	0.564	0.585	0.556	0.547	0.561	6.69
36) T Benzene			0.759	0.793	0.818	0.755	0.721	0.769	4.89
37) T 1,2-Dichloroet...			0.381	0.392	0.409	0.398	0.389	0.394	2.67
38) T Trichloroethene	0.523	0.351	0.309	0.310	0.311	0.294	0.283	0.340	24.48
39) T 1,2-Dichloropr...			0.315	0.293	0.314	0.297	0.283	0.301	4.62

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40)	T	1,4-Dioxane			0.120	0.117	0.112	0.114	0.105	0.114	5.19
41)	T	Tetrahydrofuran			0.295	0.306	0.336	0.320	0.309	0.313	4.96
42)	T	Bromodichlorom...			0.563	0.593	0.631	0.592	0.571	0.590	4.52
43)		Methyl Methacr...			0.300	0.299	0.325	0.313	0.302	0.308	3.57
44)	T	2,2,4-Trimethy...			1.312	1.390	1.398	1.247	1.157	1.301	7.79
45)	T	t-1,3-Dichloro...			0.212	0.221	0.254	0.273	0.268	0.246	11.36
46)	T	cis-1,3-Dichlo...			0.288	0.281	0.313	0.315	0.303	0.300	5.08
47)	T	1,1,2-Trichlor...			0.322	0.318	0.333	0.308	0.298	0.316	4.22
48)	T	Dibromochlorom...			0.487	0.535	0.560	0.539	0.524	0.529	5.12
49)	T	Bromoform			0.356	0.411	0.479	0.463	0.441	0.430	11.28
50)	T	4-Methyl-2-Pen...			0.747	0.771	0.845	0.774	0.734	0.774	5.52
51)	T	2-Hexanone			0.607	0.579	0.602	0.597	0.561	0.589	3.21
52)	T	Tetrachloroethene	0.374	0.313	0.315	0.309	0.316	0.285	0.275	0.312	10.16
53)	T	Toluene			0.943	0.948	0.973	0.874	0.838	0.915	6.18
54)	T	1,2-Dibromoethane		0.405	0.450	0.448	0.468	0.448	0.437	0.443	4.79
-----ISTD-----											
55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.432	0.424	0.434	0.377	0.373	0.408	7.47
57)	T	Chlorobenzene			0.783	0.753	0.762	0.645	0.639	0.716	9.64
58)	T	Ethyl Benzene			1.383	1.334	1.347	1.124	1.107	1.259	10.50
59)	T	m/p-Xylene			1.126	1.115	1.118	0.922	0.901	1.036	11.02
60)	T	o-Xylene			1.072	1.082	1.052	0.879	0.853	0.987	11.32
61)	T	Styrene			0.563	0.555	0.582	0.518	0.518	0.547	5.22
62)		Isopropylbenzene			1.657	1.650	1.642	1.335	1.311	1.519	11.78
63)	T	1,1,2,2-Tetrac...	1.013	0.774	0.715	0.714	0.740	0.616	0.610	0.740	18.25
64)		n-propylbenzene			0.428	0.434	0.440	0.371	0.368	0.408	8.75
65)		tert-Butylbenzene			1.528	1.517	1.486	1.173	1.146	1.370	14.09
66)	T	Benzyl Chloride			0.120	0.122	0.136	0.159	0.152	0.138	12.69
67)		sec-Butylbenzene			2.033	2.065	2.050	1.635	1.596	1.876	12.70
68)	S	1-Bromo-4-Fluo...	0.747	0.760	0.746	0.742	0.728	0.705	0.724	0.736	2.50
69)		p-Isopropyltol...			1.662	1.726	1.738	1.381	1.352	1.572	12.08
70)		n-Butylbenzene			1.628	1.647	1.720	1.373	1.350	1.543	11.00
71)		2-Chlorotoluene			1.255	1.236	1.202	1.012	1.001	1.141	10.90
72)	T	4-Ethyltoluene			1.173	1.202	1.257	1.081	1.068	1.156	6.97
73)	T	1,3,5-Trimethy...			1.073	1.086	1.082	0.928	0.921	1.018	8.41
74)	T	1,2,4-Trimethy...			1.181	1.217	1.213	0.984	0.966	1.112	11.35
75)	T	1,3-Dichlorobe...			0.740	0.729	0.740	0.626	0.623	0.692	8.87
76)	T	1,4-Dichlorobe...			0.741	0.735	0.709	0.617	0.624	0.685	8.77
77)	T	1,2-Dichlorobe...			0.762	0.697	0.718	0.609	0.608	0.679	10.07
78)	T	Hexachloro-1,3...			0.549	0.558	0.543	0.390	0.389	0.486	18.16
79)	T	Naphthalene		0.639	0.872	0.967	1.090	0.912	0.944	0.904	16.49
80)	T	Naphthalene,2-...			0.188	0.202	0.269	0.307	0.303	0.254	21.98
81)	T	1,2,4-Trichlor...			0.468	0.485	0.572	0.461	0.468	0.491	9.42

(#) = Out of Range