

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

Method File : VL041323AIR.M

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

Last Update : Thu Apr 13 14:37:02 2023

Response Via : Initial Calibration

Calibration Files

0.03=VL040359.D 0.1 =VL040358.D 0.5 =VL040357.D 1 =VL040356.D 2 =VL040355.D 10 =VL040354.D 15 =VL040360.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			2.431	2.051	1.795	1.531	1.206	1.803	26.10
3) Chlorodifluoro...			1.415	1.428	1.401	1.148	1.141	1.307	11.34
4) Chloromethane			0.833	0.893	0.925	0.737	0.739	0.825	10.44
5) T Vinyl Chloride	0.738	0.599	0.725	0.702	0.760	0.614	0.633	0.681	9.55
6) T Bromomethane			0.223	0.252	0.233	0.205	0.209	0.224	8.49
7) Chloroethane			0.270	0.272	0.270	0.237	0.241	0.258	6.84
8) T Dichlorotetra...			1.909	1.890	1.862	1.597	1.552	1.762	9.82
9) T Propene			0.534	0.559	0.571	0.458	0.460	0.516	10.48
10) T Heptane			0.973	1.189	1.322	1.174	1.208	1.173	10.76
11) T Trichlorofluor...			1.954	1.910	1.981	1.638	1.644	1.825	9.32
12) T 1,1,2-Trichlor...			1.318	1.372	1.364	1.163	1.166	1.277	8.17
13) Ethanol			0.048	0.049	0.053	0.033	0.032	0.043#	22.88
14) T Bromoethene			0.510	0.541	0.567	0.489	0.503	0.522	6.05
15) T Acetone			1.659	1.617	1.565	1.118	1.123	1.416	19.21
16) T 1,3-Butadiene			0.525	0.643	0.655	0.548	0.560	0.586	10.07
17) tert-Butyl alc...			1.268	1.409	1.429	1.209	1.187	1.301	8.66
18) T 1,1-Dichloroet...			0.619	0.578	0.608	0.526	0.548	0.576	6.83
19) T Isopropyl Alcohol			0.677	0.628	0.744	0.595	0.588	0.646	10.09
20) T Methylene Chlo...			0.644	0.649	0.612	0.460	0.463	0.565	16.98
21) T Allyl Chloride			0.817	0.810	0.872	0.750	0.775	0.805	5.75
22) T trans-1,2-Dich...			0.601	0.604	0.607	0.531	0.536	0.576	6.73
23) T Vinyl Acetate			0.397	0.395	0.363	0.316	0.332	0.361	10.12
24) T 1,1-Dichloroet...			1.224	1.276	1.309	1.111	1.080	1.200	8.41
25) T Ethyl Acetate			2.264	2.569	2.660	2.204	2.220	2.383	9.00
26) T Hexane			0.968	1.043	1.126	0.928	0.958	1.005	7.95
27) T Carbon Disulfide			1.187	1.225	1.390	1.341	1.359	1.300	6.82
28) T Methyl tert-Bu...			1.026	1.105	1.140	0.965	0.949	1.037	8.11
29) T Chloroform			1.818	1.883	1.969	1.626	1.654	1.790	8.23
30) T Cyclohexane			0.673	0.765	0.860	0.788	0.805	0.778	8.77
31) T cis-1,2-Dichlo...			0.923	1.012	1.085	0.969	0.990	0.996	6.00
32) T 1,1,1-Trichlor...	1.827	1.588	1.737	1.822	1.884	1.643	1.672	1.739	6.32

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.517	0.561	0.586	0.502	0.531	0.539	6.34
35) T Carbon Tetrach...	0.785	0.616	0.691	0.710	0.745	0.684	0.697	0.704	7.45
36) T Benzene			0.748	0.854	0.888	0.788	0.801	0.816	6.80
37) T 1,2-Dichloroet...			0.522	0.551	0.558	0.515	0.532	0.536	3.45
38) T Trichloroethene	0.384	0.412	0.450	0.478	0.527	0.491	0.508	0.464	11.15
39) T 1,2-Dichloropr...			0.316	0.326	0.342	0.309	0.312	0.321	4.24

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40)	T	1,4-Dioxane		0.122	0.134	0.126	0.116	0.117	0.123	6.18
41)	T	Tetrahydrofuran		0.262	0.305	0.316	0.289	0.304	0.295	7.14
42)	T	Bromodichlorom...		0.654	0.753	0.786	0.726	0.741	0.732	6.67
43)		Methyl Methacr...		0.250	0.287	0.328	0.321	0.329	0.303	11.18
44)	T	2,2,4-Trimethy...		1.259	1.414	1.508	1.312	1.321	1.363	7.22
45)	T	t-1,3-Dichloro...		0.202	0.226	0.272	0.309	0.344	0.271	21.57
46)	T	cis-1,3-Dichlo...		0.293	0.332	0.388	0.423	0.448	0.377	16.98
47)	T	1,1,2-Trichlor...		0.332	0.358	0.379	0.341	0.351	0.352	5.11
48)	T	Dibromochlorom...		0.487	0.539	0.602	0.588	0.617	0.567	9.37
49)	T	Bromoform		0.359	0.397	0.473	0.473	0.509	0.442	14.01
50)	T	4-Methyl-2-Pen...		0.706	0.795	0.916	0.822	0.848	0.818	9.40
51)	T	2-Hexanone		0.479	0.566	0.669	0.638	0.669	0.604	13.54
52)	T	Tetrachloroethene	0.240 0.183	0.250	0.270	0.290	0.268	0.286	0.255	14.32
53)	T	Toluene		0.681	0.841	0.947	0.910	0.947	0.865	12.92
54)	T	1,2-Dibromoethane	0.268	0.341	0.364	0.393	0.377	0.398	0.357	13.53
-----ISTD-----										
55)	I	Chlorobenzene-d5								
56)		1,1,1,2-Tetrac...		0.461	0.481	0.484	0.423	0.433	0.456	6.09
57)	T	Chlorobenzene		0.816	0.832	0.822	0.713	0.733	0.783	7.11
58)	T	Ethyl Benzene		0.981	1.249	1.372	1.256	1.293	1.230	12.00
59)	T	m/p-Xylene		0.991	1.179	1.259	1.099	1.128	1.131	8.75
60)	T	o-Xylene		0.951	1.129	1.195	1.061	1.093	1.086	8.32
61)	T	Styrene		0.380	0.496	0.598	0.605	0.641	0.544	19.56
62)		Isopropylbenzene		1.433	1.642	1.732	1.491	1.519	1.564	7.75
63)	T	1,1,2,2-Tetrac...	0.497 0.339	0.432	0.422	0.415	0.333	0.342	0.397	15.50
64)		n-propylbenzene		0.339	0.389	0.423	0.377	0.396	0.385	7.90
65)		tert-Butylbenzene		1.217	1.461	1.565	1.302	1.333	1.376	10.00
66)	T	Benzyl Chloride		0.079	0.076	0.080	0.088	0.102	0.085	12.49
67)		sec-Butylbenzene		1.786	2.078	2.250	1.873	1.892	1.976	9.44
68)	S	1-Bromo-4-Fluo...	0.827 0.839	0.849	0.821	0.799	0.813	0.841	0.827	2.13
69)		p-Isopropyltol...		1.297	1.627	1.776	1.487	1.526	1.543	11.46
70)		n-Butylbenzene		1.442	1.790	2.017	1.637	1.666	1.710	12.40
71)		2-Chlorotoluene		1.055	1.246	1.335	1.164	1.202	1.200	8.61
72)	T	4-Ethyltoluene		0.961	1.215	1.353	1.214	1.250	1.199	12.06
73)	T	1,3,5-Trimethy...		0.957	1.117	1.252	1.086	1.123	1.107	9.51
74)	T	1,2,4-Trimethy...		1.143	1.336	1.437	1.194	1.218	1.265	9.42
75)	T	1,3-Dichlorobe...		0.662	0.714	0.757	0.651	0.682	0.693	6.23
76)	T	1,4-Dichlorobe...		0.671	0.684	0.752	0.644	0.673	0.685	5.86
77)	T	1,2-Dichlorobe...		0.676	0.715	0.764	0.623	0.648	0.685	8.15
78)	T	Hexachloro-1,3...		0.590	0.590	0.594	0.469	0.504	0.549	10.73
79)	T	Naphthalene	0.405	0.663	0.865	1.099	1.002	1.092	0.854	32.14
80)	T	Naphthalene,2-...		0.101	0.169	0.281	0.311	0.409	0.254	47.55
81)	T	1,2,4-Trichlor...		0.450	0.505	0.596	0.513	0.560	0.525	10.65

(#) = Out of Range