

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

Method File : VL052025AIR.M

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

Last Update : Wed May 21 00:21:29 2025

Response Via : Initial Calibration

Calibration Files

0.03=VL042551.D 0.1 =VL042553.D 0.5 =VL042549.D 1 =VL042548.D 2 =VL042547.D 10 =VL042546.D 15 =VL042552.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			2.034	1.910	1.930	1.753	1.723	1.870	6.94
3) Chlorodifluoro...			1.645	1.561	1.600	1.472	1.427	1.541	5.86
4) Chloromethane			0.645	0.625	0.621	0.565	0.555	0.602	6.59
5) T Vinyl Chloride	0.751	0.698	0.702	0.650	0.646	0.603	0.600	0.664	8.36
6) T Bromomethane			0.392	0.403	0.393	0.367	0.356	0.382	5.20
7) Chloroethane			0.287	0.275	0.276	0.251	0.245	0.267	6.72
8) T Dichlorotetra...			1.648	1.634	1.659	1.508	1.471	1.584	5.54
9) T Propene			0.520	0.541	0.563	0.532	0.521	0.535	3.35
10) T Heptane			1.222	1.335	1.494	1.516	1.489	1.411	9.07
11) T Trichlorofluor...			2.116	1.984	2.020	1.836	1.806	1.953	6.64
12) T 1,1,2-Trichlor...			1.655	1.594	1.645	1.498	1.478	1.574	5.21
13) Ethanol			0.098	0.099	0.075	0.060	0.056	0.078	26.53
14) T Bromoethene			0.606	0.636	0.611	0.559	0.560	0.595	5.68
15) T Acetone			1.681	1.557	1.528	1.119	1.083	1.394	19.61
16) T 1,3-Butadiene			0.631	0.575	0.587	0.523	0.512	0.566	8.62
17) tert-Butyl alc...			1.712	1.637	1.631	1.602	1.470	1.610	5.47
18) T 1,1-Dichloroet...			0.755	0.736	0.731	0.675	0.659	0.711	5.83
19) T Isopropyl Alcohol			0.878	0.801	0.797	0.767	0.719	0.792	7.30
20) T Methylene Chlo...			0.859	0.708	0.682	0.574	0.551	0.675	18.23
21) T Allyl Chloride			0.922	0.896	0.920	0.871	0.854	0.893	3.34
22) T trans-1,2-Dich...			0.828	0.813	0.792	0.768	0.745	0.789	4.24
23) T Vinyl Acetate			1.508	1.590	1.606	1.632	1.592	1.586	2.95
24) T 1,1-Dichloroet...			1.412	1.359	1.414	1.303	1.280	1.353	4.53
25) T Ethyl Acetate			2.586	2.620	2.809	2.790	2.665	2.694	3.74
26) T Hexane			1.124	1.151	1.273	1.285	1.257	1.218	6.15
27) T Carbon Disulfide			1.692	1.793	1.842	1.768	1.726	1.764	3.31
28) T Methyl tert-Bu...			0.842	0.832	0.863	0.790	0.777	0.821	4.43
29) T Chloroform			2.425	2.330	2.379	2.221	2.161	2.303	4.77
30) T Cyclohexane			0.894	0.979	1.114	1.162	1.120	1.054	10.71
31) T cis-1,2-Dichlo...			1.351	1.303	1.383	1.357	1.302	1.339	2.64
32) T 1,1,1-Trichlor...	2.654	2.267	2.314	2.290	2.350	2.317	2.284	2.354	5.74

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.533	0.545	0.545	0.515	0.516	0.531	2.85
35) T Carbon Tetrach...	0.951	0.732	0.745	0.729	0.733	0.727	0.734	0.765	10.79
36) T Benzene			0.783	0.813	0.823	0.824	0.803	0.809	2.09
37) T 1,2-Dichloroet...			0.528	0.489	0.501	0.476	0.478	0.494	4.35
38) T Trichloroethene	0.428	0.341	0.354	0.356	0.376	0.368	0.362	0.369	7.66
39) T 1,2-Dichloropr...			0.283	0.286	0.293	0.280	0.277	0.284	2.17

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40)	T	1,4-Dioxane		0.124	0.119	0.123	0.139	0.130	0.127	6.09
41)	T	Tetrahydrofuran		0.221	0.248	0.264	0.281	0.280	0.259	9.79
42)	T	Bromodichlorom...		0.675	0.682	0.712	0.707	0.707	0.697	2.45
43)		Methyl Methacr...		0.228	0.248	0.280	0.310	0.307	0.275	13.06
44)	T	2,2,4-Trimethy...		1.130	1.196	1.299	1.303	1.279	1.241	6.10
45)	T	t-1,3-Dichloro...		0.299	0.310	0.352	0.397	0.394	0.350	13.06
46)	T	cis-1,3-Dichlo...		0.367	0.390	0.425	0.476	0.472	0.426	11.37
47)	T	1,1,2-Trichlor...		0.338	0.346	0.352	0.335	0.330	0.340	2.58
48)	T	Dibromochlorom...		0.571	0.558	0.597	0.612	0.606	0.589	3.94
49)	T	Bromoform		0.452	0.482	0.519	0.531	0.530	0.503	6.91
50)	T	4-Methyl-2-Pen...		0.546	0.604	0.641	0.702	0.691	0.637	10.10
51)	T	2-Hexanone		0.357	0.404	0.473	0.554	0.560	0.470	19.13
52)	T	Tetrachloroethene	0.320 0.326	0.301	0.312	0.327	0.313	0.310	0.316	3.00
53)	T	Toluene		0.744	0.795	0.879	0.956	0.952	0.865	10.91
54)	T	1,2-Dibromoethane	0.460	0.475	0.486	0.521	0.521	0.512	0.496	5.20
-----ISTD-----										
55)	I	Chlorobenzene-d5								
56)		1,1,1,2-Tetrac...		0.540	0.532	0.550	0.522	0.522	0.533	2.25
57)	T	Chlorobenzene		0.911	0.888	0.923	0.866	0.867	0.891	2.86
58)	T	Ethyl Benzene		1.040	1.155	1.365	1.490	1.496	1.309	15.59
59)	T	m/p-Xylene		0.878	1.047	1.203	1.222	1.240	1.118	13.81
60)	T	o-Xylene		0.854	1.019	1.184	1.227	1.252	1.107	15.18
61)	T	Styrene		0.301	0.335	0.421	0.526	0.539	0.424	25.50
62)		Isopropylbenzene		1.433	1.599	1.770	1.823	1.846	1.694	10.33
63)	T	1,1,2,2-Tetrac...	0.694 0.769	0.731	0.746	0.755	0.733	0.751	0.740	3.24
64)		n-propylbenzene		0.324	0.390	0.452	0.467	0.477	0.422	15.35
65)		tert-Butylbenzene		1.177	1.448	1.652	1.653	1.689	1.524	14.18
66)	T	Benzyl Chloride		0.163	0.165	0.178	0.218	0.228	0.191	15.88
67)		sec-Butylbenzene		1.806	2.103	2.317	2.246	2.283	2.151	9.73
68)	S	1-Bromo-4-Fluo...	0.780 0.780	0.802	0.803	0.789	0.811	0.838	0.800	2.54
69)		p-Isopropyltol...		1.293	1.672	1.957	1.959	2.000	1.776	16.90
70)		n-Butylbenzene		1.129	1.549	1.878	1.895	1.941	1.678	20.51
71)		2-Chlorotoluene		0.969	1.122	1.262	1.352	1.390	1.219	14.25
72)	T	4-Ethyltoluene		1.031	1.260	1.448	1.529	1.570	1.367	16.28
73)	T	1,3,5-Trimethy...		0.926	1.106	1.268	1.286	1.329	1.183	14.09
74)	T	1,2,4-Trimethy...		1.162	1.444	1.587	1.448	1.491	1.426	11.12
75)	T	1,3-Dichlorobe...		0.813	0.892	0.921	0.876	0.900	0.880	4.66
76)	T	1,4-Dichlorobe...		0.780	0.827	0.889	0.874	0.905	0.855	5.95
77)	T	1,2-Dichlorobe...		0.852	0.877	0.912	0.832	0.863	0.867	3.44
78)	T	Hexachloro-1,3...		0.746	0.743	0.793	0.629	0.670	0.716	9.15
79)	T	Naphthalene	0.645	0.647	0.992	1.389	1.335	1.404	1.069	33.73
80)	T	Naphthalene,2-...		0.213	0.288	0.623	0.762	0.868	0.551	52.45
81)	T	1,2,4-Trichlor...		0.414	0.578	0.740	0.719	0.759	0.642	22.77

(#) = Out of Range