

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

Method File : VL070225AIR.M

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

Last Update : Thu Jul 03 01:50:16 2025

Response Via : Initial Calibration

Calibration Files

0.03=VL042694.D 0.1 =VL042696.D 0.5 =VL042692.D 1 =VL042691.D 2 =VL042690.D 10 =VL042689.D 15 =VL042695.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.126	1.083	1.116	0.930	0.980	1.047	8.33
3) Chlorodifluoro...			1.661	1.695	1.619	1.394	1.457	1.565	8.44
4) Chloromethane			0.414	0.446	0.440	0.370	0.382	0.411	8.23
5) T Vinyl Chloride	0.570	0.491	0.394	0.353	0.405	0.327	0.348	0.413	21.26
6) T Bromomethane			0.229	0.196	0.178	0.152	0.167	0.184	16.03
7) Chloroethane			0.177	0.169	0.167	0.134	0.144	0.158	11.55
8) T Dichlorotetra...			1.004	0.881	0.910	0.743	0.799	0.867	11.63
9) T Propene			0.608	0.596	0.641	0.528	0.557	0.586	7.56
10) T Heptane			1.323	1.521	1.691	1.663	1.756	1.591	10.85
11) T Trichlorofluor...			1.156	1.161	1.188	0.986	1.028	1.104	8.19
12) T 1,1,2-Trichlor...			0.949	0.927	0.894	0.778	0.821	0.874	8.26
13) Ethanol			0.069	0.065	0.073	0.038	0.037	0.057	30.76
14) T Bromoethene			0.331	0.311	0.323	0.269	0.289	0.305	8.23
15) T Acetone			1.231	1.081	1.051	0.766	0.830	0.992	19.25
16) T 1,3-Butadiene			0.538	0.486	0.463	0.387	0.411	0.457	13.12
17) tert-Butyl alc...			1.055	0.992	1.000	0.891	0.900	0.968	7.25
18) T 1,1-Dichloroet...			0.440	0.392	0.418	0.335	0.356	0.388	11.10
19) T Isopropyl Alcohol			0.653	0.562	0.612	0.498	0.525	0.570	11.10
20) T Methylene Chlo...			0.505	0.403	0.389	0.285	0.314	0.379	22.75
21) T Allyl Chloride			0.735	0.692	0.720	0.634	0.678	0.692	5.64
22) T trans-1,2-Dich...			0.462	0.416	0.462	0.371	0.403	0.423	9.28
23) T Vinyl Acetate			1.439	1.500	1.640	1.779	1.667	1.605	8.48
24) T 1,1-Dichloroet...			0.944	0.927	0.913	0.770	0.817	0.874	8.75
25) T Ethyl Acetate			2.898	2.929	3.239	2.906	3.029	3.000	4.79
26) T Hexane			1.143	1.240	1.345	1.222	1.309	1.252	6.29
27) T Carbon Disulfide			1.060	1.048	1.064	0.940	0.992	1.021	5.25
28) T Methyl tert-Bu...			0.493	0.509	0.595	0.514	0.450	0.512	10.32
29) T Chloroform			1.984	1.990	2.031	1.674	1.774	1.891	8.30
30) T Cyclohexane			0.806	0.904	1.016	0.955	1.037	0.944	9.87
31) T cis-1,2-Dichlo...			1.127	1.234	1.234	1.140	1.222	1.191	4.46
32) T 1,1,1-Trichlor...	2.344	1.943	1.787	1.713	1.720	1.548	1.642	1.814	14.56

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.778	0.821	0.829	0.745	0.785	0.791	4.33
35) T Carbon Tetrach...	0.802	0.742	0.673	0.688	0.667	0.620	0.652	0.692	8.83
36) T Benzene			0.986	1.050	1.034	0.965	1.004	1.008	3.45
37) T 1,2-Dichloroet...			0.568	0.562	0.543	0.493	0.511	0.535	6.08
38) T Trichloroethene	0.431	0.554	0.403	0.438	0.435	0.379	0.407	0.435	12.98
39) T 1,2-Dichloropr...			0.423	0.399	0.405	0.359	0.379	0.393	6.23

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40)	T	1,4-Dioxane			0.150	0.153	0.149	0.155	0.156	0.152	1.89
41)	T	Tetrahydrofuran			0.361	0.383	0.410	0.416	0.445	0.403	7.97
42)	T	Bromodichlorom...			0.781	0.768	0.774	0.719	0.749	0.758	3.26
43)		Methyl Methacr...			0.235	0.324	0.325	0.354	0.383	0.324	17.15
44)	T	2,2,4-Trimethy...			1.510	1.690	1.791	1.703	1.772	1.693	6.55
45)	T	t-1,3-Dichloro...			0.276	0.314	0.335	0.371	0.404	0.340	14.55
46)	T	cis-1,3-Dichlo...			0.419	0.438	0.464	0.494	0.532	0.469	9.54
47)	T	1,1,2-Trichlor...			0.376	0.403	0.398	0.368	0.392	0.387	3.85
48)	T	Dibromochlorom...			0.569	0.604	0.621	0.575	0.595	0.593	3.56
49)	T	Bromoform			0.484	0.524	0.521	0.506	0.525	0.512	3.36
50)	T	4-Methyl-2-Pen...			0.818	0.849	0.929	0.997	1.041	0.927	10.20
51)	T	2-Hexanone			0.492	0.564	0.684	0.792	0.839	0.674	21.82
52)	T	Tetrachloroethene	0.317	0.401	0.324	0.337	0.338	0.314	0.327	0.337	8.85
53)	T	Toluene			0.751	0.861	0.951	1.035	1.107	0.941	14.91
54)	T	1,2-Dibromoethane	0.557		0.531	0.523	0.550	0.525	0.553	0.540	2.77
-----ISTD-----											
55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.580	0.588	0.552	0.479	0.504	0.541	8.82
57)	T	Chlorobenzene			1.058	1.069	1.060	0.897	0.932	1.003	8.17
58)	T	Ethyl Benzene			1.153	1.297	1.513	1.590	1.678	1.446	14.96
59)	T	m/p-Xylene			0.938	1.152	1.309	1.301	1.357	1.211	14.14
60)	T	o-Xylene			0.889	1.154	1.317	1.268	1.329	1.192	15.32
61)	T	Styrene			0.341	0.392	0.464	0.548	0.596	0.468	22.61
62)		Isopropylbenzene			1.528	1.732	1.954	1.846	1.934	1.799	9.72
63)	T	1,1,2,2-Tetrac...	0.944	1.004	0.925	0.951	0.947	0.818	0.834	0.918	7.31
64)		n-propylbenzene			0.329	0.460	0.507	0.487	0.519	0.460	16.66
65)		tert-Butylbenzene			1.177	1.508	1.784	1.591	1.637	1.539	14.69
66)	T	Benzyl Chloride			0.117	0.136	0.151	0.160	0.182	0.149	16.53
67)		sec-Butylbenzene			1.996	2.437	2.659	2.316	2.384	2.358	10.17
68)	S	1-Bromo-4-Fluo...	0.736	0.746	0.772	0.772	0.780	0.788	0.789	0.769	2.66
69)		p-Isopropyltol...			1.494	1.850	2.142	1.916	1.982	1.877	12.79
70)		n-Butylbenzene			1.384	1.816	2.204	1.980	2.070	1.891	16.74
71)		2-Chlorotoluene			1.076	1.278	1.410	1.404	1.484	1.331	12.06
72)	T	4-Ethyltoluene			1.100	1.342	1.607	1.570	1.650	1.454	15.90
73)	T	1,3,5-Trimethy...			0.935	1.194	1.348	1.302	1.349	1.226	14.20
74)	T	1,2,4-Trimethy...			1.066	1.443	1.617	1.427	1.439	1.398	14.43
75)	T	1,3-Dichlorobe...			0.949	1.062	1.048	0.908	0.939	0.981	7.06
76)	T	1,4-Dichlorobe...			0.846	0.980	1.002	0.893	0.934	0.931	6.81
77)	T	1,2-Dichlorobe...			1.022	1.065	1.104	0.868	0.897	0.991	10.52
78)	T	Hexachloro-1,3...			0.834	0.886	0.904	0.609	0.627	0.772	18.56
79)	T	Naphthalene	0.714		0.655	1.126	1.653	1.387	1.467	1.167	35.19
80)	T	Naphthalene,2-...			0.192	0.303	0.580	0.621	0.728	0.485	46.79
81)	T	1,2,4-Trichlor...			0.440	0.679	0.848	0.696	0.738	0.680	21.98

(#) = Out of Range