

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

Method File : VL072225AIR.M

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

Last Update : Wed Jul 23 02:51:39 2025

Response Via : Initial Calibration

Calibration Files

0.03=VL042728.D 0.1 =VL042730.D 0.5 =VL042726.D 1 =VL042725.D 2 =VL042724.D 10 =VL042723.D 15 =VL042729.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.538	1.632	1.682	1.454	1.499	1.561	6.04
3) Chlorodifluoro...			1.854	1.841	1.877	1.623	1.632	1.766	7.17
4) Chloromethane			0.692	0.640	0.679	0.602	0.583	0.639	7.39
5) T Vinyl Chloride	0.911	0.726	0.569	0.560	0.597	0.525	0.533	0.631	22.25
6) T Bromomethane			0.284	0.262	0.275	0.232	0.225	0.256	10.15
7) Chloroethane			0.268	0.259	0.257	0.199	0.218	0.240	12.40
8) T Dichlorotetra...			1.383	1.387	1.402	1.183	1.228	1.317	7.84
9) T Propene			0.643	0.617	0.680	0.608	0.584	0.626	5.89
10) T Heptane			1.814	1.750	1.877	1.649	1.621	1.742	6.20
11) T Trichlorofluor...			1.681	1.689	1.721	1.419	1.524	1.607	8.08
12) T 1,1,2-Trichlor...			1.390	1.275	1.330	1.110	1.180	1.257	8.95
13) Ethanol			0.145	0.135	0.112	0.073	0.063	0.105	34.62
14) T Bromoethene			0.480	0.465	0.476	0.397	0.423	0.448	8.21
15) T Acetone			1.964	1.940	1.976	1.218	1.275	1.674	23.37
16) T 1,3-Butadiene			0.756	0.778	0.786	0.617	0.648	0.717	10.96
17) tert-Butyl alc...			1.801	1.600	1.653	1.464	1.432	1.590	9.40
18) T 1,1-Dichloroet...			0.572	0.550	0.541	0.503	0.507	0.535	5.51
19) T Isopropyl Alcohol			0.985	0.944	0.901	0.814	0.793	0.887	9.29
20) T Methylene Chlo...			0.676	0.561	0.550	0.423	0.422	0.526	20.31
21) T Allyl Chloride			1.179	1.057	1.121	0.992	1.017	1.073	7.14
22) T trans-1,2-Dich...			0.680	0.629	0.636	0.546	0.575	0.613	8.66
23) T Vinyl Acetate			2.045	1.939	1.931	1.776	1.854	1.909	5.28
24) T 1,1-Dichloroet...			1.333	1.226	1.227	1.141	1.205	1.226	5.64
25) T Ethyl Acetate			3.105	3.155	3.334	2.931	2.923	3.090	5.54
26) T Hexane			1.333	1.391	1.499	1.292	1.263	1.355	6.90
27) T Carbon Disulfide			1.509	1.435	1.519	1.378	1.398	1.448	4.42
28) T Methyl tert-Bu...			0.824	0.842	0.836	0.691	0.746	0.788	8.45
29) T Chloroform			2.358	2.350	2.360	2.036	2.087	2.238	7.26
30) T Cyclohexane			1.211	1.166	1.228	1.149	1.160	1.183	2.91
31) T cis-1,2-Dichlo...			1.552	1.460	1.535	1.370	1.380	1.459	5.81
32) T 1,1,1-Trichlor...	2.827	2.119	2.381	2.354	2.401	2.182	2.234	2.357	9.88

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.751	0.707	0.720	0.630	0.635	0.689	7.79
35) T Carbon Tetrach...	0.979	0.926	0.741	0.802	0.794	0.724	0.768	0.819	11.77
36) T Benzene			0.972	0.981	0.944	0.857	0.891	0.929	5.73
37) T 1,2-Dichloroet...			0.595	0.637	0.594	0.541	0.595	0.593	5.73
38) T Trichloroethene	0.459	0.503	0.482	0.479	0.443	0.397	0.407	0.453	8.74
39) T 1,2-Dichloropr...			0.397	0.359	0.352	0.306	0.315	0.346	10.62

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40) T	1,4-Dioxane			0.174	0.196	0.168	0.140	0.146	0.165	13.82
41) T	Tetrahydrofuran			0.354	0.353	0.354	0.337	0.338	0.347	2.61
42) T	Bromodichlorom...			0.750	0.822	0.784	0.734	0.785	0.775	4.41
43) T	Methyl Methacr...			0.334	0.389	0.373	0.340	0.349	0.357	6.51
44) T	2,2,4-Trimethy...			1.513	1.664	1.599	1.401	1.447	1.525	7.06
45) T	t-1,3-Dichloro...			0.427	0.467	0.425	0.422	0.450	0.438	4.44
46) T	cis-1,3-Dichlo...			0.496	0.529	0.531	0.521	0.528	0.521	2.77
47) T	1,1,2-Trichlor...			0.398	0.418	0.385	0.338	0.357	0.379	8.41
48) T	Dibromochlorom...			0.605	0.653	0.621	0.622	0.649	0.630	3.27
49) T	Bromoform			0.494	0.554	0.558	0.542	0.572	0.544	5.49
50) T	4-Methyl-2-Pen...			0.899	0.912	0.931	0.877	0.892	0.902	2.29
51) T	2-Hexanone			0.666	0.739	0.739	0.714	0.742	0.720	4.49
52) T	Tetrachloroethene	0.360	0.408	0.389	0.393	0.379	0.342	0.348	0.374	6.62
53) T	Toluene			1.036	1.076	1.090	1.001	1.034	1.047	3.40
54) T	1,2-Dibromoethane		0.635	0.547	0.581	0.568	0.520	0.535	0.564	7.32
-----ISTD-----										
55) I	Chlorobenzene-d5									
56) T	1,1,1,2-Tetrac...			0.582	0.548	0.551	0.500	0.513	0.539	6.07
57) T	Chlorobenzene			0.985	1.010	1.020	0.862	0.885	0.953	7.73
58) T	Ethyl Benzene			1.631	1.722	1.771	1.593	1.636	1.671	4.39
59) T	m/p-Xylene			1.308	1.372	1.424	1.266	1.312	1.336	4.64
60) T	o-Xylene			1.341	1.409	1.424	1.272	1.301	1.349	4.92
61) T	Styrene			0.537	0.603	0.602	0.573	0.591	0.581	4.69
62) T	Isopropylbenzene			2.032	2.090	2.144	1.857	1.906	2.006	6.05
63) T	1,1,2,2-Tetrac...	0.790	0.882	0.805	0.764	0.782	0.676	0.702	0.771	8.84
64) T	n-propylbenzene			0.504	0.526	0.531	0.472	0.497	0.506	4.68
65) T	tert-Butylbenzene			1.801	1.894	1.940	1.651	1.689	1.795	6.99
66) T	Benzyl Chloride			0.137	0.165	0.158	0.193	0.201	0.171	15.13
67) T	sec-Butylbenzene			2.465	2.578	2.636	2.274	2.375	2.466	5.97
68) S	1-Bromo-4-Fluo...	0.806	0.792	0.813	0.797	0.809	0.813	0.828	0.808	1.42
69) T	p-Isopropyltol...			1.905	2.175	2.229	1.979	2.038	2.065	6.53
70) T	n-Butylbenzene			1.717	2.031	2.142	1.960	2.019	1.974	7.99
71) T	2-Chlorotoluene			1.491	1.570	1.633	1.429	1.480	1.521	5.29
72) T	4-Ethyltoluene			1.521	1.632	1.709	1.558	1.625	1.609	4.52
73) T	1,3,5-Trimethy...			1.210	1.345	1.408	1.332	1.359	1.331	5.50
74) T	1,2,4-Trimethy...			1.397	1.479	1.518	1.433	1.473	1.460	3.18
75) T	1,3-Dichlorobe...			1.007	1.023	1.048	0.877	0.928	0.976	7.33
76) T	1,4-Dichlorobe...			0.893	0.992	1.017	0.897	0.923	0.945	6.00
77) T	1,2-Dichlorobe...			0.952	1.026	0.979	0.838	0.886	0.936	7.95
78) T	Hexachloro-1,3...			0.969	1.049	1.021	0.739	0.779	0.911	15.65
79) T	Naphthalene		0.881	0.714	0.885	1.086	1.448	1.540	1.092	30.58
80) T	Naphthalene,2-...			0.053	0.081	0.126	0.724	0.813	0.359	104.52
81) T	1,2,4-Trichlor...			0.395	0.602	0.698	0.802	0.834	0.666	26.61

(#) = Out of Range