

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

Method File : VL081325AIR.M

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

Last Update : Thu Aug 14 02:12:54 2025

Response Via : Initial Calibration

Calibration Files

0.03=VL042847.D 0.1 =VL042846.D 0.5 =VL042845.D 1 =VL042844.D 2 =VL042843.D 10 =VL042842.D 15 =VL042848.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.566	1.525	1.511	1.343	1.383	1.466	6.61
3) Chlorodifluoro...			1.752	1.621	1.714	1.509	1.504	1.620	7.05
4) Chloromethane			0.648	0.618	0.606	0.533	0.551	0.591	8.09
5) T Vinyl Chloride	0.728	0.639	0.593	0.559	0.550	0.502	0.507	0.582	13.72
6) T Bromomethane			0.248	0.268	0.239	0.203	0.206	0.233	12.06
7) Chloroethane			0.266	0.240	0.219	0.202	0.210	0.227	11.46
8) T Dichlorotetra...			1.273	1.235	1.245	1.122	1.122	1.199	6.02
9) T Propene			0.824	0.692	0.715	0.656	0.611	0.700	11.40
10) T Heptane			2.009	2.011	1.917	1.718	1.713	1.874	7.96
11) T Trichlorofluor...			1.614	1.533	1.467	1.271	1.345	1.446	9.59
12) T 1,1,2-Trichlor...			1.259	1.202	1.189	1.047	1.066	1.152	7.95
13) Ethanol			0.089	0.069	0.070	0.046	0.047	0.064	27.87
14) T Bromoethene			0.462	0.416	0.436	0.381	0.391	0.417	7.89
15) T Acetone			1.708	1.475	1.476	0.950	1.005	1.323	24.92
16) T 1,3-Butadiene			0.783	0.633	0.579	0.500	0.503	0.600	19.47
17) tert-Butyl alc...			1.920	1.660	1.557	1.371	1.335	1.569	15.14
18) T 1,1-Dichloroet...			0.552	0.509	0.532	0.469	0.472	0.507	7.21
19) T Isopropyl Alcohol			0.976	0.847	0.799	0.649	0.679	0.790	16.79
20) T Methylene Chlo...			0.792	0.596	0.544	0.414	0.425	0.554	27.79
21) T Allyl Chloride			1.122	0.902	0.945	0.850	0.854	0.935	11.98
22) T trans-1,2-Dich...			0.630	0.613	0.604	0.537	0.546	0.586	7.10
23) T Vinyl Acetate			2.161	1.733	1.849	1.663	1.689	1.819	11.22
24) T 1,1-Dichloroet...			1.317	1.223	1.185	1.040	1.088	1.171	9.38
25) T Ethyl Acetate			3.491	3.346	3.324	2.932	2.914	3.202	8.19
26) T Hexane			1.557	1.552	1.522	1.392	1.366	1.478	6.19
27) T Carbon Disulfide			1.504	1.513	1.511	1.314	1.348	1.438	6.84
28) T Methyl tert-Bu...			0.833	0.747	0.817	0.661	0.710	0.754	9.61
29) T Chloroform			2.299	2.183	2.166	1.932	1.970	2.110	7.32
30) T Cyclohexane			1.425	1.283	1.340	1.214	1.217	1.296	6.87
31) T cis-1,2-Dichlo...			1.625	1.524	1.524	1.346	1.362	1.476	8.06
32) T 1,1,1-Trichlor...	2.448	2.528	2.209	2.148	2.215	1.999	2.063	2.230	8.69

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.753	0.702	0.700	0.610	0.611	0.675	9.33
35) T Carbon Tetrach...	0.736	0.738	0.682	0.700	0.692	0.636	0.643	0.689	5.84
36) T Benzene			1.013	0.978	0.990	0.912	0.896	0.958	5.33
37) T 1,2-Dichloroet...			0.512	0.516	0.503	0.483	0.488	0.500	2.87
38) T Trichloroethene	0.416	0.448	0.501	0.448	0.453	0.399	0.397	0.437	8.35
39) T 1,2-Dichloropr...			0.378	0.365	0.356	0.324	0.326	0.350	6.84

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40) T	1,4-Dioxane			0.189	0.185	0.166	0.148	0.144	0.166	12.22
41) T	Tetrahydrofuran			0.395	0.389	0.392	0.355	0.351	0.376	5.64
42) T	Bromodichlorom...			0.786	0.742	0.777	0.708	0.714	0.745	4.77
43) T	Methyl Methacr...			0.427	0.402	0.415	0.368	0.362	0.394	7.31
44) T	2,2,4-Trimethy...			1.728	1.719	1.676	1.515	1.489	1.625	7.06
45) T	t-1,3-Dichloro...			0.450	0.464	0.456	0.428	0.427	0.445	3.73
46) T	cis-1,3-Dichlo...			0.568	0.559	0.578	0.539	0.529	0.555	3.67
47) T	1,1,2-Trichlor...			0.395	0.382	0.386	0.341	0.348	0.371	6.52
48) T	Dibromochlorom...			0.596	0.605	0.632	0.584	0.581	0.600	3.44
49) T	Bromoform			0.466	0.514	0.535	0.491	0.467	0.495	6.07
50) T	4-Methyl-2-Pen...			0.960	0.917	0.946	0.881	0.859	0.913	4.67
51) T	2-Hexanone			0.723	0.737	0.750	0.699	0.683	0.718	3.82
52) T	Tetrachloroethene	0.391	0.379	0.369	0.333	0.345	0.313	0.295	0.346	10.19
53) T	Toluene			1.219	1.180	1.160	1.072	1.061	1.138	6.09
54) T	1,2-Dibromoethane		0.599	0.549	0.532	0.552	0.506	0.512	0.542	6.24
-----ISTD-----										
55) I	Chlorobenzene-d5									
56) T	1,1,1,2-Tetrac...			0.534	0.549	0.551	0.476	0.476	0.517	7.39
57) T	Chlorobenzene			1.026	0.990	0.994	0.878	0.866	0.951	7.68
58) T	Ethyl Benzene			1.854	1.866	1.838	1.636	1.630	1.765	6.84
59) T	m/p-Xylene			1.447	1.454	1.455	1.283	1.277	1.383	6.81
60) T	o-Xylene			1.532	1.472	1.445	1.266	1.242	1.391	9.31
61) T	Styrene			0.711	0.677	0.660	0.610	0.601	0.652	7.09
62) T	Isopropylbenzene			2.149	2.194	2.133	1.852	1.838	2.033	8.53
63) T	1,1,2,2-Tetrac...	0.881	0.774	0.795	0.784	0.772	0.674	0.677	0.765	9.39
64) T	n-propylbenzene			0.570	0.528	0.549	0.475	0.472	0.519	8.47
65) T	tert-Butylbenzene			1.907	1.991	1.910	1.605	1.549	1.793	11.19
66) T	Benzyl Chloride			0.232	0.226	0.246	0.227	0.207	0.228	6.21
67) T	sec-Butylbenzene			2.669	2.754	2.706	2.250	2.202	2.516	10.62
68) S	1-Bromo-4-Fluo...	0.736	0.746	0.755	0.760	0.744	0.755	0.754	0.750	1.09
69) T	p-Isopropyltol...			2.338	2.372	2.328	1.905	1.856	2.160	11.85
70) T	n-Butylbenzene			2.234	2.303	2.333	1.927	1.915	2.142	9.58
71) T	2-Chlorotoluene			1.709	1.719	1.641	1.418	1.408	1.579	9.77
72) T	4-Ethyltoluene			1.738	1.806	1.784	1.563	1.543	1.687	7.39
73) T	1,3,5-Trimethy...			1.548	1.535	1.512	1.293	1.283	1.434	9.37
74) T	1,2,4-Trimethy...			1.710	1.706	1.698	1.394	1.365	1.574	11.33
75) T	1,3-Dichlorobe...			0.937	0.946	0.967	0.831	0.795	0.895	8.59
76) T	1,4-Dichlorobe...			0.966	0.946	0.978	0.833	0.803	0.905	8.93
77) T	1,2-Dichlorobe...			0.937	0.956	0.947	0.781	0.761	0.876	11.03
78) T	Hexachloro-1,3...			0.814	0.845	0.804	0.572	0.556	0.718	19.74
79) T	Naphthalene		1.174	1.383	1.647	1.746	1.315	1.300	1.427	15.50
80) T	Naphthalene,2-...			0.430	0.554	0.708	0.478	0.497	0.533	20.15
81) T	1,2,4-Trichlor...			0.623	0.797	0.855	0.661	0.650	0.717	14.24

(#) = Out of Range