

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

Method File : VL051225AIR.M

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

Last Update : Tue May 13 02:07:03 2025

Response Via : Initial Calibration

Calibration Files

0.03=VL042530.D 0.1 =VL042529.D 0.5 =VL042528.D 1 =VL042527.D 2 =VL042532.D 10 =VL042525.D 15 =VL042533.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.836	1.568	1.689	1.461	1.566	1.624	8.83
3) Chlorodifluoro...			1.653	1.639	1.800	1.544	1.638	1.655	5.56
4) Chloromethane			0.697	0.667	0.743	0.585	0.621	0.663	9.38
5) T Vinyl Chloride	0.788	0.804	0.708	0.636	0.654	0.554	0.603	0.678	13.77
6) T Bromomethane			0.357	0.319	0.333	0.292	0.310	0.322	7.68
7) Chloroethane			0.274	0.303	0.300	0.223	0.239	0.268	13.53
8) T Dichlorotetra...			1.617	1.385	1.435	1.234	1.315	1.397	10.33
9) T Propene			0.511	0.426	0.166	0.089	0.602	0.359	61.84
10) T Heptane			1.185	1.153	1.364	1.480	1.675	1.371	15.75
11) T Trichlorofluor...			1.696	1.521	1.688	1.395	1.511	1.562	8.23
12) T 1,1,2-Trichlor...			1.415	1.225	1.343	1.103	1.187	1.255	9.92
13) Ethanol			0.134	0.112	0.096	0.068	0.073	0.097	28.56
14) T Bromoethene			0.452	0.462	0.501	0.409	0.463	0.457	7.25
15) T Acetone			2.017	1.709	1.813	1.209	1.312	1.612	21.17
16) T 1,3-Butadiene			0.798	0.693	0.766	0.643	0.693	0.719	8.70
17) tert-Butyl alc...			1.572	1.527	1.496	1.373	1.416	1.477	5.50
18) T 1,1-Dichloroet...			0.611	0.542	0.570	0.492	0.534	0.550	8.03
19) T Isopropyl Alcohol			1.014	0.840	0.895	0.778	0.813	0.868	10.61
20) T Methylene Chlo...			0.769	0.577	0.549	0.428	0.458	0.556	24.10
21) T Allyl Chloride			1.058	1.094	1.092	0.986	1.060	1.058	4.14
22) T trans-1,2-Dich...			0.698	0.650	0.705	0.563	0.600	0.643	9.58
23) T Vinyl Acetate			1.807	1.527	1.661	1.614	1.756	1.673	6.67
24) T 1,1-Dichloroet...			1.307	1.249	1.327	1.136	1.204	1.244	6.25
25) T Ethyl Acetate			2.551	2.551	2.980	2.855	3.091	2.806	8.80
26) T Hexane			0.953	1.089	1.147	1.209	1.361	1.152	13.06
27) T Carbon Disulfide			1.535	1.456	1.535	1.408	1.501	1.487	3.69
28) T Methyl tert-Bu...			0.689	0.618	0.650	0.604	0.639	0.640	5.14
29) T Chloroform			2.560	2.452	2.506	2.131	2.296	2.389	7.31
30) T Cyclohexane			0.837	0.801	0.916	1.020	1.155	0.946	15.25
31) T cis-1,2-Dichlo...			1.330	1.207	1.271	1.273	1.423	1.301	6.22
32) T 1,1,1-Trichlor...	2.897	2.559	2.385	2.301	2.450	2.249	2.414	2.465	8.74

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.686	0.645	0.663	0.598	0.704	0.659	6.20
35) T Carbon Tetrach...	1.001	0.919	0.884	0.868	0.913	0.805	0.902	0.899	6.59
36) T Benzene			0.874	0.846	0.881	0.844	0.987	0.886	6.61
37) T 1,2-Dichloroet...			0.649	0.640	0.665	0.569	0.638	0.632	5.82
38) T Trichloroethene	0.461	0.397	0.333	0.352	0.384	0.360	0.410	0.385	11.04
39) T 1,2-Dichloropr...			0.346	0.331	0.317	0.308	0.349	0.330	5.37

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40) T	1,4-Dioxane			0.138	0.122	0.124	0.135	0.151	0.134	8.61
41) T	Tetrahydrofuran			0.218	0.254	0.285	0.308	0.361	0.285	18.98
42) T	Bromodichlorom...			0.864	0.816	0.872	0.782	0.883	0.844	5.09
43) T	Methyl Methacr...			0.240	0.260	0.284	0.322	0.378	0.297	18.37
44) T	2,2,4-Trimethy...			1.204	1.331	1.439	1.425	1.622	1.404	10.96
45) T	t-1,3-Dichloro...			0.328	0.342	0.338	0.403	0.485	0.379	17.41
46) T	cis-1,3-Dichlo...			0.397	0.403	0.417	0.486	0.577	0.456	16.69
47) T	1,1,2-Trichlor...			0.435	0.372	0.392	0.351	0.394	0.389	8.04
48) T	Dibromochlorom...			0.608	0.631	0.668	0.618	0.720	0.649	7.05
49) T	Bromoform			0.490	0.503	0.547	0.522	0.601	0.533	8.24
50) T	4-Methyl-2-Pen...			0.621	0.694	0.771	0.826	0.960	0.774	16.72
51) T	2-Hexanone			0.408	0.468	0.550	0.662	0.791	0.576	26.67
52) T	Tetrachloroethene	0.297	0.445	0.326	0.317	0.318	0.314	0.356	0.339	14.73
53) T	Toluene			0.720	0.731	0.819	0.953	1.126	0.870	19.65
54) T	1,2-Dibromoethane	0.593		0.555	0.542	0.556	0.534	0.626	0.568	6.18
-----ISTD-----										
55) I	Chlorobenzene-d5									
56) T	1,1,1,2-Tetrac...			0.661	0.626	0.657	0.552	0.603	0.620	7.20
57) T	Chlorobenzene			1.046	0.977	1.078	0.911	1.008	1.004	6.40
58) T	Ethyl Benzene			1.046	1.084	1.318	1.563	1.804	1.363	23.62
59) T	m/p-Xylene			0.867	1.028	1.325	1.342	1.491	1.211	21.06
60) T	o-Xylene			0.805	1.009	1.292	1.331	1.473	1.182	22.81
61) T	Styrene			0.298	0.348	0.392	0.509	0.642	0.438	31.60
62) T	Isopropylbenzene			1.347	1.561	1.911	1.933	2.150	1.780	18.03
63) T	1,1,2,2-Tetrac...	1.170	0.996	0.949	0.881	0.993	0.821	0.907	0.959	11.64
64) T	n-propylbenzene			0.309	0.392	0.503	0.507	0.549	0.452	21.79
65) T	tert-Butylbenzene			1.125	1.436	1.862	1.779	1.971	1.635	21.30
66) T	Benzyl Chloride			0.201	0.182	0.226	0.223	0.254	0.217	12.67
67) T	sec-Butylbenzene			1.723	2.130	2.714	2.481	2.671	2.344	17.77
68) S	1-Bromo-4-Fluo...	0.851	0.839	0.883	0.873	0.891	0.873	0.882	0.870	2.13
69) T	p-Isopropyltol...			1.223	1.670	2.247	2.151	2.344	1.927	24.45
70) T	n-Butylbenzene			1.243	1.575	2.244	2.136	2.323	1.904	24.76
71) T	2-Chlorotoluene			1.090	1.131	1.356	1.489	1.675	1.348	18.20
72) T	4-Ethyltoluene			0.997	1.242	1.585	1.655	1.853	1.466	23.37
73) T	1,3,5-Trimethy...			0.874	1.107	1.432	1.415	1.558	1.277	21.90
74) T	1,2,4-Trimethy...			1.064	1.525	1.919	1.621	1.728	1.572	20.31
75) T	1,3-Dichlorobe...			0.867	0.979	1.093	0.953	1.030	0.984	8.61
76) T	1,4-Dichlorobe...			0.778	0.886	1.064	0.930	1.023	0.936	12.10
77) T	1,2-Dichlorobe...			0.996	1.015	1.178	0.913	0.983	1.017	9.63
78) T	Hexachloro-1,3...			0.936	0.896	0.984	0.733	0.809	0.872	11.54
79) T	Naphthalene	0.504		0.660	0.918	1.391	1.374	1.688	1.089	42.79
80) T	Naphthalene,2-...			0.237	0.342	0.581	0.776	1.207	0.629	61.32
81) T	1,2,4-Trichlor...			0.407	0.549	0.751	0.726	0.879	0.662	27.92

(#) = Out of Range