

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

Method File : VL010725AIR.M

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

Last Update : Wed Jan 08 03:26:12 2025

Response Via : Initial Calibration

Calibration Files

0.03=VL041843.D 0.1 =VL041842.D 0.5 =VL041841.D 1 =VL041840.D 2 =VL041839.D 10 =VL041838.D 15 =VL041844.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.836	1.715	1.627	1.476	1.551	1.641	8.57
3) Chlorodifluoro...			1.742	1.644	1.597	1.396	1.459	1.568	8.91
4) Chloromethane			0.741	0.697	0.675	0.610	0.651	0.675	7.28
5) T Vinyl Chloride	0.873	0.801	0.684	0.654	0.607	0.561	0.583	0.681	17.13
6) T Bromomethane			0.322	0.306	0.299	0.262	0.268	0.292	8.75
7) Chloroethane			0.313	0.267	0.263	0.225	0.242	0.262	12.73
8) T Dichlorotetra...			1.537	1.417	1.462	1.291	1.371	1.416	6.56
9) T Propene			0.570	0.556	0.565	0.494	0.544	0.546	5.62
10) T Heptane			1.027	1.173	1.355	1.521	1.664	1.348	19.05
11) T Trichlorofluor...			1.827	1.752	1.670	1.504	1.589	1.668	7.66
12) T 1,1,2-Trichlor...			1.364	1.283	1.249	1.133	1.184	1.243	7.18
13) Ethanol			0.147	0.072	0.069	0.037	0.034	0.072	63.36
14) T Bromoethene			0.420	0.411	0.426	0.378	0.398	0.407	4.75
15) T Acetone			2.324	2.074	1.998	1.358	1.452	1.841	22.67
16) T 1,3-Butadiene			0.841	0.738	0.704	0.638	0.689	0.722	10.50
17) tert-Butyl alc...			1.715	1.688	1.613	1.456	1.505	1.595	7.06
18) T 1,1-Dichloroet...			0.566	0.537	0.530	0.474	0.493	0.520	7.04
19) T Isopropyl Alcohol			1.114	0.941	0.862	0.688	0.716	0.864	20.17
20) T Methylene Chlo...			0.677	0.574	0.520	0.418	0.443	0.526	19.81
21) T Allyl Chloride			0.947	0.965	0.957	0.908	0.965	0.948	2.50
22) T trans-1,2-Dich...			0.619	0.614	0.599	0.529	0.547	0.581	7.06
23) T Vinyl Acetate			0.533	0.566	0.613	0.529	0.622	0.573	7.61
24) T 1,1-Dichloroet...			1.384	1.285	1.304	1.160	1.230	1.273	6.59
25) T Ethyl Acetate			2.849	2.985	3.237	3.083	3.284	3.087	5.81
26) T Hexane			0.964	0.978	1.081	1.132	1.203	1.072	9.48
27) T Carbon Disulfide			0.956	0.898	0.975	1.071	1.185	1.017	11.06
28) T Methyl tert-Bu...			0.912	0.842	0.776	0.750	0.757	0.808	8.54
29) T Chloroform			2.192	2.076	2.035	1.775	1.876	1.991	8.31
30) T Cyclohexane			0.673	0.720	0.807	0.894	0.969	0.813	14.96
31) T cis-1,2-Dichlo...			1.058	1.089	1.129	1.078	1.160	1.103	3.74
32) T 1,1,1-Trichlor...	2.132	1.774	1.807	1.731	1.714	1.685	1.785	1.804	8.36

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.821	0.768	0.800	0.733	0.816	0.788	4.66
35) T Carbon Tetrach...	0.798	0.795	0.755	0.685	0.706	0.737	0.813	0.756	6.49
36) T Benzene			0.930	0.925	0.959	0.930	1.034	0.955	4.79
37) T 1,2-Dichloroet...			0.657	0.616	0.626	0.594	0.648	0.628	3.98
38) T Trichloroethene	0.306	0.452	0.357	0.353	0.361	0.351	0.391	0.367	12.17
39) T 1,2-Dichloropr...			0.387	0.370	0.362	0.346	0.383	0.370	4.44

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40) T	1,4-Dioxane			0.116	0.134	0.143	0.149	0.172	0.143	14.35
41) T	Tetrahydrofuran			0.337	0.322	0.350	0.394	0.452	0.371	14.15
42) T	Bromodichlorom...			0.729	0.672	0.715	0.741	0.825	0.737	7.61
43)	Methyl Methacr...			0.241	0.256	0.273	0.334	0.397	0.300	21.50
44) T	2,2,4-Trimethy...			1.301	1.415	1.636	1.681	1.837	1.574	13.62
45) T	t-1,3-Dichloro...			0.279	0.237	0.268	0.305	0.375	0.293	17.87
46) T	cis-1,3-Dichlo...			0.335	0.329	0.358	0.420	0.487	0.386	17.41
47) T	1,1,2-Trichlor...			0.417	0.389	0.378	0.365	0.403	0.390	5.21
48) T	Dibromochlorom...			0.434	0.429	0.483	0.536	0.605	0.498	14.92
49) T	Bromoform			0.345	0.328	0.368	0.438	0.515	0.399	19.34
50) T	4-Methyl-2-Pen...			0.728	0.786	0.856	1.020	1.164	0.911	19.65
51) T	2-Hexanone			0.527	0.509	0.635	0.822	0.954	0.689	28.03
52) T	Tetrachloroethene	0.168	0.291	0.306	0.297	0.301	0.290	0.330	0.283	18.58
53) T	Toluene			0.655	0.701	0.798	0.976	1.122	0.850	23.00
54) T	1,2-Dibromoethane	0.460		0.464	0.461	0.474	0.474	0.539	0.479	6.30
-----ISTD-----										
55) I	Chlorobenzene-d5									
56)	1,1,1,2-Tetrac...			0.582	0.564	0.579	0.541	0.584	0.570	3.19
57) T	Chlorobenzene			1.107	1.066	1.035	0.977	1.039	1.045	4.54
58) T	Ethyl Benzene			1.003	1.060	1.282	1.643	1.827	1.363	26.48
59) T	m/p-Xylene			0.798	0.964	1.258	1.424	1.561	1.201	26.39
60) T	o-Xylene			0.746	0.914	1.231	1.420	1.540	1.170	28.62
61) T	Styrene			0.316	0.326	0.384	0.567	0.677	0.454	35.37
62)	Isopropylbenzene			1.426	1.499	1.865	2.106	2.297	1.839	20.50
63) T	1,1,2,2-Tetrac...	1.239	1.009	1.016	0.971	1.010	0.948	0.990	1.026	9.45
64)	n-propylbenzene			0.310	0.411	0.491	0.551	0.595	0.472	24.14
65)	tert-Butylbenzene			1.060	1.427	1.858	1.895	2.043	1.657	24.42
66) T	Benzyl Chloride			0.141	0.120	0.126	0.143	0.164	0.139	12.44
67)	sec-Butylbenzene			1.631	2.128	2.656	2.731	2.941	2.417	22.00
68) S	1-Bromo-4-Fluo...	0.816	0.829	0.849	0.846	0.856	0.898	0.901	0.856	3.77
69)	p-Isopropyltol...			1.157	1.555	2.060	2.265	2.451	1.898	28.05
70)	n-Butylbenzene			1.164	1.558	2.094	2.243	2.474	1.907	28.04
71)	2-Chlorotoluene			0.924	1.130	1.330	1.563	1.726	1.335	24.17
72) T	4-Ethyltoluene			0.918	1.104	1.448	1.712	1.894	1.415	28.76
73) T	1,3,5-Trimethy...			0.817	1.007	1.278	1.474	1.621	1.239	26.61
74) T	1,2,4-Trimethy...			0.890	1.264	1.619	1.645	1.761	1.436	24.88
75) T	1,3-Dichlorobe...			0.877	0.969	0.992	0.949	1.017	0.961	5.54
76) T	1,4-Dichlorobe...			0.843	0.850	0.964	0.940	1.027	0.925	8.49
77) T	1,2-Dichlorobe...			0.993	1.023	1.062	0.936	0.993	1.001	4.62
78) T	Hexachloro-1,3...			0.722	0.763	0.785	0.606	0.678	0.711	10.05
79) T	Naphthalene	0.632		0.687	0.859	1.297	1.343	1.528	1.058	35.83
80) T	Naphthalene,2-...			0.275	0.294	0.394	0.399	0.596	0.391	32.58
81) T	1,2,4-Trichlor...			0.483	0.519	0.656	0.595	0.678	0.586	14.42

(#) = Out of Range