

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

Method File : VL101425AIR.M

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

Last Update : Wed Oct 15 02:12:58 2025

Response Via : Initial Calibration

Calibration Files

0.03=VL043110.D 0.1 =VL043109.D 0.5 =VL043108.D 1 =VL043107.D 2 =VL043106.D 10 =VL043105.D 15 =VL043111.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.545	1.527	1.481	1.278	1.278	1.422	9.38
3) Chlorodifluoro...			1.672	1.632	1.577	1.451	1.359	1.538	8.46
4) Chloromethane			0.640	0.621	0.579	0.500	0.477	0.563	12.89
5) T Vinyl Chloride	0.723	0.554	0.562	0.557	0.528	0.481	0.462	0.552	15.33
6) T Bromomethane			0.336	0.338	0.317	0.260	0.263	0.303	12.78
7) Chloroethane			0.261	0.256	0.238	0.192	0.183	0.226	16.03
8) T Dichlorotetra...			1.175	1.265	1.230	1.040	1.036	1.149	9.26
9) T Propene			0.738	0.713	0.721	0.655	0.585	0.682	9.20
10) T Heptane			2.184	2.151	2.032	1.803	1.650	1.964	11.73
11) T Trichlorofluor...			1.510	1.459	1.477	1.242	1.265	1.391	9.11
12) T 1,1,2-Trichlor...			1.215	1.220	1.191	0.976	0.996	1.120	10.97
13) Ethanol			0.289	0.307	0.302	0.193	0.171	0.252	25.86
14) T Bromoethene			0.481	0.434	0.431	0.371	0.362	0.416	11.84
15) T Acetone			1.561	1.522	1.508	1.091	1.058	1.348	18.60
16) T 1,3-Butadiene			0.780	0.700	0.649	0.552	0.531	0.642	16.07
17) tert-Butyl alc...			2.010	2.047	1.934	1.689	1.571	1.850	11.31
18) T 1,1-Dichloroet...			0.519	0.539	0.512	0.437	0.434	0.488	10.07
19) T Isopropyl Alcohol			0.971	0.958	0.870	0.725	0.674	0.839	16.03
20) T Methylene Chlo...			0.738	0.612	0.508	0.406	0.400	0.533	26.98
21) T Allyl Chloride			1.097	1.049	1.040	0.910	0.869	0.993	9.86
22) T trans-1,2-Dich...			0.609	0.696	0.594	0.511	0.508	0.583	13.38
23) T Vinyl Acetate			2.148	1.904	2.292	1.623	1.905	1.974	13.03
24) T 1,1-Dichloroet...			1.169	1.237	1.190	1.031	1.009	1.127	8.99
25) T Ethyl Acetate			3.526	3.626	3.558	3.132	2.871	3.342	9.77
26) T Hexane			1.753	1.677	1.548	1.406	1.318	1.540	11.77
27) T Carbon Disulfide			1.423	1.540	1.505	1.315	1.272	1.411	8.26
28) T Methyl tert-Bu...			0.742	0.767	0.769	0.587	0.638	0.701	11.86
29) T Chloroform			2.437	2.397	2.296	2.030	1.997	2.232	9.22
30) T Cyclohexane			1.493	1.448	1.390	1.214	1.176	1.344	10.53
31) T cis-1,2-Dichlo...			1.491	1.594	1.516	1.405	1.348	1.471	6.55
32) T 1,1,1-Trichlor...	2.165	2.605	2.407	2.439	2.424	2.136	2.092	2.324	8.31

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.753	0.708	0.707	0.606	0.587	0.672	10.68
35) T Carbon Tetrach...	0.752	0.761	0.710	0.743	0.745	0.649	0.674	0.719	5.96
36) T Benzene			0.974	0.980	1.023	0.871	0.862	0.942	7.60
37) T 1,2-Dichloroet...			0.589	0.571	0.565	0.485	0.502	0.543	8.49
38) T Trichloroethene	0.460	0.421	0.401	0.402	0.398	0.342	0.330	0.393	11.38
39) T 1,2-Dichloropr...			0.359	0.370	0.371	0.317	0.305	0.344	8.99

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40) T	1,4-Dioxane			0.166	0.166	0.162	0.141	0.135	0.154	9.56
41) T	Tetrahydrofuran			0.427	0.394	0.384	0.343	0.332	0.376	10.32
42) T	Bromodichlorom...			0.779	0.775	0.791	0.697	0.713	0.751	5.68
43) T	Methyl Methacr...			0.500	0.511	0.493	0.450	0.437	0.478	6.85
44) T	2,2,4-Trimethy...			1.695	1.706	1.683	1.460	1.401	1.589	9.22
45) T	t-1,3-Dichloro...			0.478	0.502	0.506	0.462	0.453	0.480	4.94
46) T	cis-1,3-Dichlo...			0.593	0.590	0.603	0.546	0.535	0.573	5.34
47) T	1,1,2-Trichlor...			0.416	0.383	0.384	0.338	0.338	0.372	9.07
48) T	Dibromochlorom...			0.619	0.650	0.667	0.589	0.582	0.622	5.96
49) T	Bromoform			0.503	0.515	0.544	0.487	0.478	0.505	5.14
50) T	4-Methyl-2-Pen...			0.969	0.989	0.974	0.873	0.833	0.928	7.55
51) T	2-Hexanone			0.683	0.708	0.738	0.692	0.658	0.696	4.31
52) T	Tetrachloroethene	0.354	0.345	0.349	0.366	0.353	0.312	0.298	0.340	7.27
53) T	Toluene			1.212	1.162	1.176	1.036	1.003	1.118	8.28
54) T	1,2-Dibromoethane		0.662	0.570	0.586	0.617	0.533	0.526	0.582	8.84
-----ISTD-----										
55) I	Chlorobenzene-d5									
56) T	1,1,1,2-Tetrac...			0.662	0.664	0.665	0.590	0.570	0.630	7.32
57) T	Chlorobenzene			1.010	1.009	1.000	0.849	0.810	0.936	10.47
58) T	Ethyl Benzene			1.801	1.815	1.824	1.599	1.543	1.716	7.84
59) T	m/p-Xylene			1.463	1.457	1.476	1.238	1.210	1.369	9.71
60) T	o-Xylene			1.433	1.471	1.454	1.224	1.177	1.352	10.34
61) T	Styrene			0.597	0.649	0.664	0.578	0.564	0.610	7.17
62) T	Isopropylbenzene			2.564	2.671	2.616	2.241	2.123	2.443	10.02
63) T	1,1,2,2-Tetrac...	1.029	1.019	0.900	0.924	0.933	0.777	0.755	0.905	11.78
64) T	n-propylbenzene			0.688	0.710	0.696	0.589	0.551	0.647	11.10
65) T	tert-Butylbenzene			2.342	2.383	2.364	1.901	1.796	2.157	13.20
66) T	Benzyl Chloride			0.229	0.259	0.250	0.241	0.221	0.240	6.35
67) T	sec-Butylbenzene			3.313	3.378	3.357	2.697	2.565	3.062	12.96
68) S	1-Bromo-4-Fluo...	0.765	0.780	0.768	0.770	0.779	0.781	0.798	0.777	1.44
69) T	p-Isopropyltol...			2.726	2.896	2.871	2.330	2.186	2.602	12.47
70) T	n-Butylbenzene			2.611	2.820	2.849	2.321	2.218	2.564	11.16
71) T	2-Chlorotoluene			1.959	1.997	2.018	1.698	1.645	1.863	9.53
72) T	4-Ethyltoluene			1.741	1.761	1.805	1.530	1.475	1.662	8.97
73) T	1,3,5-Trimethy...			1.434	1.466	1.477	1.261	1.217	1.371	8.95
74) T	1,2,4-Trimethy...			1.691	1.706	1.664	1.331	1.278	1.534	13.75
75) T	1,3-Dichlorobe...			0.903	0.956	1.000	0.818	0.773	0.890	10.57
76) T	1,4-Dichlorobe...			0.957	0.957	0.971	0.823	0.779	0.897	9.96
77) T	1,2-Dichlorobe...			0.944	0.954	0.914	0.766	0.727	0.861	12.40
78) T	Hexachloro-1,3...			0.751	0.764	0.746	0.555	0.516	0.667	18.08
79) T	Naphthalene	1.265		1.532	1.766	1.971	1.580	1.507	1.604	15.04
80) T	Naphthalene,2-...			0.255	0.355	0.515	0.478	0.485	0.418	26.20
81) T	1,2,4-Trichlor...			0.553	0.726	0.803	0.638	0.608	0.666	14.90

(#) = Out of Range