

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

Method File : VL102122AIR.M

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

Last Update : Sat Oct 22 02:12:34 2022

Response Via : Initial Calibration

Calibration Files

0.03=VL039745.D 0.1 =VL039744.D 0.5 =VL039743.D 1 =VL039742.D 2 =VL039741.D 10 =VL039740.D 15 =VL039746.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.826	1.803	1.803	1.914	1.027	1.675	21.79
3) Chlorodifluoro...			1.345	1.219	1.225	1.235	1.347	1.274	5.15
4) Chloromethane			0.843	0.783	0.751	0.755	0.855	0.797	6.15
5) T Vinyl Chloride	0.557	0.611	0.590	0.636	0.615	0.650	0.723	0.626	8.37
6) T Bromomethane			0.226	0.223	0.223	0.232	0.254	0.232	5.52
7) Chloroethane			0.206	0.207	0.232	0.241	0.273	0.232	12.04
8) T Dichlorotetra...			1.657	1.554	1.563	1.579	1.415	1.554	5.63
9) T Propene			0.606	0.520	0.538	0.575	0.670	0.582	10.19
10) T Heptane			1.126	1.235	1.310	1.475	1.605	1.350	14.12
11) T Trichlorofluor...			1.575	1.475	1.509	1.606	1.629	1.559	4.17
12) T 1,1,2-Trichlor...			1.332	1.210	1.182	1.252	1.294	1.254	4.87
13) Ethanol			0.046	0.037	0.043	0.032	0.039	0.040#	13.41
14) T Bromoethene			0.459	0.470	0.442	0.487	0.530	0.478	6.99
15) T Acetone			1.192	1.172	1.220	1.183	1.271	1.207	3.29
16) T 1,3-Butadiene			0.534	0.555	0.608	0.621	0.712	0.606	11.46
17) tert-Butyl alc...			0.874	1.066	0.889	1.075	1.225	1.026	14.25
18) T 1,1-Dichloroet...			0.564	0.505	0.508	0.543	0.570	0.538	5.65
19) T Isopropyl Alcohol			0.579	0.522	0.529	0.596	0.723	0.590	13.69
20) T Methylene Chlo...			0.541	0.478	0.473	0.448	0.488	0.485	7.03
21) T Allyl Chloride			0.827	0.692	0.862	0.845	0.940	0.833	10.77
22) T trans-1,2-Dich...			0.546	0.492	0.516	0.562	0.615	0.546	8.65
23) T Vinyl Acetate			0.492	0.473	0.522	0.474	0.587	0.509	9.34
24) T 1,1-Dichloroet...			1.194	1.053	1.141	1.182	1.238	1.162	6.02
25) T Ethyl Acetate			2.377	2.296	2.497	2.357	2.567	2.419	4.56
26) T Hexane			0.969	0.943	1.006	0.945	1.063	0.985	5.10
27) T Carbon Disulfide			1.030	1.035	1.180	1.417	1.505	1.234	17.73
28) T Methyl tert-Bu...			0.856	0.856	0.931	0.960	1.069	0.934	9.43
29) T Chloroform			1.590	1.545	1.543	1.564	1.654	1.579	2.90
30) T Cyclohexane			0.797	0.698	0.786	0.881	0.980	0.828	12.88
31) T cis-1,2-Dichlo...			0.898	0.799	0.843	0.894	0.984	0.883	7.87
32) T 1,1,1-Trichlor...	1.150	1.025	1.361	1.383	1.414	1.555	1.701	1.370	16.68

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.458	0.458	0.462	0.440	0.489	0.461	3.86
35) T Carbon Tetrach...	0.540	0.368	0.509	0.528	0.548	0.550	0.584	0.518	13.55
36) T Benzene			0.690	0.750	0.786	0.732	0.816	0.755	6.41
37) T 1,2-Dichloroet...			0.388	0.393	0.422	0.399	0.431	0.407	4.61
38) T Trichloroethene	0.396	0.302	0.402	0.420	0.427	0.429	0.458	0.405	12.28
39) T 1,2-Dichloropr...			0.291	0.283	0.284	0.279	0.311	0.290	4.46

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40)	T	1,4-Dioxane			0.126	0.114	0.105	0.109	0.101	0.111	8.89
41)	T	Tetrahydrofuran			0.252	0.294	0.291	0.302	0.340	0.296	10.60
42)	T	Bromodichlorom...			0.483	0.533	0.563	0.584	0.628	0.558	9.74
43)		Methyl Methacr...			0.223	0.244	0.271	0.291	0.328	0.271	15.13
44)	T	2,2,4-Trimethy...			1.162	1.287	1.348	1.260	1.337	1.279	5.86
45)	T	t-1,3-Dichloro...			0.155	0.174	0.210	0.272	0.313	0.225	29.67
46)	T	cis-1,3-Dichlo...			0.228	0.272	0.296	0.372	0.424	0.318	24.85
47)	T	1,1,2-Trichlor...			0.305	0.311	0.317	0.306	0.333	0.314	3.62
48)	T	Dibromochlorom...			0.391	0.439	0.468	0.519	0.556	0.474	13.70
49)	T	Bromoform			0.284	0.336	0.385	0.435	0.469	0.382	19.45
50)	T	4-Methyl-2-Pen...			0.624	0.726	0.763	0.784	0.862	0.752	11.58
51)	T	2-Hexanone			0.391	0.485	0.542	0.607	0.669	0.539	20.02
52)	T	Tetrachloroethene	0.288	0.226	0.262	0.269	0.284	0.276	0.302	0.272	8.90
53)	T	Toluene			0.640	0.763	0.845	0.876	0.950	0.815	14.53
54)	T	1,2-Dibromoethane	0.208		0.298	0.328	0.334	0.348	0.380	0.316	18.84
-----ISTD-----											
55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.383	0.404	0.421	0.414	0.407	0.406	3.59
57)	T	Chlorobenzene			0.704	0.760	0.744	0.733	0.728	0.734	2.83
58)	T	Ethyl Benzene			0.903	1.094	1.209	1.293	1.276	1.155	13.96
59)	T	m/p-Xylene			0.861	1.019	1.074	1.088	1.061	1.021	9.13
60)	T	o-Xylene			0.791	0.989	1.026	1.052	1.026	0.977	10.89
61)	T	Styrene			0.345	0.434	0.507	0.631	0.638	0.511	24.76
62)		Isopropylbenzene			1.285	1.476	1.521	1.524	1.467	1.454	6.74
63)	T	1,1,2,2-Tetrac...	0.346	0.352	0.385	0.403	0.388	0.374	0.365	0.373	5.46
64)		n-propylbenzene			0.324	0.350	0.376	0.391	0.386	0.365	7.64
65)		tert-Butylbenzene			1.070	1.298	1.398	1.327	1.278	1.274	9.64
66)	T	Benzyl Chloride			0.081	0.079	0.077	0.099	0.108	0.089	15.54
67)		sec-Butylbenzene			1.476	1.791	1.904	1.849	1.795	1.763	9.46
68)	S	1-Bromo-4-Fluo...	0.707	0.716	0.712	0.711	0.687	0.749	0.686	0.710	2.96
69)		p-Isopropyltol...			1.133	1.431	1.532	1.523	1.484	1.421	11.65
70)		n-Butylbenzene			1.056	1.333	1.493	1.486	1.469	1.367	13.58
71)		2-Chlorotoluene			0.868	1.022	1.066	1.124	1.096	1.035	9.73
72)	T	4-Ethyltoluene			0.875	1.038	1.144	1.228	1.165	1.090	12.69
73)	T	1,3,5-Trimethy...			0.855	1.024	1.052	1.088	1.055	1.015	9.07
74)	T	1,2,4-Trimethy...			0.970	1.126	1.191	1.156	1.130	1.115	7.62
75)	T	1,3-Dichlorobe...			0.638	0.665	0.677	0.680	0.678	0.667	2.62
76)	T	1,4-Dichlorobe...			0.618	0.667	0.646	0.668	0.661	0.652	3.19
77)	T	1,2-Dichlorobe...			0.611	0.676	0.682	0.639	0.636	0.649	4.59
78)	T	Hexachloro-1,3...			0.517	0.524	0.485	0.403	0.414	0.469	12.12
79)	T	Naphthalene	0.287		0.525	0.678	0.831	0.757	0.837	0.653	32.67
80)	T	Naphthalene,2-...			0.099	0.097	0.205	0.223	0.350	0.195	53.63
81)	T	1,2,4-Trichlor...			0.369	0.424	0.484	0.439	0.469	0.437	10.25

(#) = Out of Range