

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\

Method File : VL053122AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 01 01:22:18 2022

Last Update : Wed Jun 01 01:22:18 2022

Response Via : Initial Calibration

Calibration Files

0.03=VL039138.D 0.1 =VL039137.D 0.5 =VL039136.D 1 =VL039135.D 2 =VL039134.D 10 =VL039133.D 15 =VL039139.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.974	2.058	1.802	1.499	1.449	1.756	15.62
3) Chlorodifluoro...			1.408	1.354	1.342	1.135	1.123	1.272	10.48
4) Chloromethane			0.707	0.669	0.706	0.600	0.586	0.654	8.81
5) T Vinyl Chloride	0.544	0.598	0.653	0.681	0.627	0.583	0.590	0.611	7.55
6) T Bromomethane			0.334	0.291	0.315	0.270	0.293	0.301	8.21
7) Chloroethane			0.200	0.232	0.219	0.200	0.213	0.213	6.32
8) T Dichlorotetra...			1.690	1.739	1.662	1.456	1.480	1.605	8.03
9) T Propene			0.668	0.621	0.545	0.487	0.452	0.555	16.22
10) T Heptane			1.286	1.379	1.388	1.223	1.195	1.294	6.79
11) T Trichlorofluor...			1.781	1.674	1.616	1.399	1.480	1.590	9.57
12) T 1,1,2-Trichlor...			1.153	1.108	1.051	0.957	0.988	1.051	7.73
13) Ethanol			0.036	0.030	0.029	0.028	0.028	0.030#	11.46
14) T Bromoethene			0.469	0.481	0.506	0.444	0.463	0.473	4.87
15) T Acetone			1.206	1.117	1.000	0.909	0.977	1.042	11.38
16) T 1,3-Butadiene			0.538	0.608	0.584	0.525	0.544	0.560	6.19
17) tert-Butyl alc...			0.831	0.909	0.768	0.794	0.737	0.808	8.16
18) T 1,1-Dichloroet...			0.419	0.526	0.506	0.435	0.473	0.472	9.61
19) T Isopropyl Alcohol			0.531	0.494	0.486	0.487	0.445	0.489	6.29
20) T Methylene Chlo...			0.520	0.494	0.481	0.333	0.367	0.439	19.01
21) T Allyl Chloride			0.784	0.672	0.705	0.656	0.695	0.703	7.04
22) T trans-1,2-Dich...			0.468	0.457	0.455	0.437	0.453	0.454	2.42
23) T Vinyl Acetate			0.762	0.859	0.881	0.894	0.914	0.862	6.90
24) T 1,1-Dichloroet...			1.321	1.224	1.195	1.048	1.116	1.181	8.86
25) T Ethyl Acetate			2.554	2.390	2.488	2.152	2.155	2.348	7.96
26) T Hexane			1.089	1.063	1.142	0.949	0.915	1.032	9.31
27) T Carbon Disulfide			1.056	1.026	1.084	1.075	1.107	1.069	2.86
28) T Methyl tert-Bu...			1.247	1.198	1.209	1.020	1.022	1.139	9.62
29) T Chloroform			1.870	1.843	1.785	1.590	1.594	1.736	7.79
30) T Cyclohexane			0.951	0.899	0.914	0.787	0.782	0.867	8.90
31) T cis-1,2-Dichlo...			1.126	1.095	1.059	0.985	0.996	1.052	5.84
32) T 1,1,1-Trichlor...	1.632	1.530	1.785	1.838	1.827	1.635	1.645	1.699	6.94

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.534	0.555	0.556	0.536	0.535	0.543	2.08
35) T Carbon Tetrach...	0.753	0.664	0.746	0.753	0.754	0.705	0.735	0.730	4.64
36) T Benzene			0.817	0.859	0.862	0.771	0.750	0.812	6.24
37) T 1,2-Dichloroet...			0.522	0.570	0.526	0.512	0.541	0.534	4.24
38) T Trichloroethene	0.309	0.357	0.387	0.391	0.415	0.376	0.376	0.373	8.96
39) T 1,2-Dichloropr...			0.329	0.341	0.338	0.304	0.303	0.323	5.75

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40)	T	1,4-Dioxane			0.105	0.114	0.115	0.102	0.095	0.106	7.90
41)	T	Tetrahydrofuran			0.324	0.343	0.345	0.316	0.306	0.327	5.27
42)	T	Bromodichlorom...			0.729	0.745	0.783	0.716	0.735	0.742	3.42
43)		Methyl Methacr...			0.291	0.307	0.336	0.323	0.325	0.316	5.58
44)	T	2,2,4-Trimethy...			1.457	1.541	1.493	1.323	1.287	1.420	7.77
45)	T	t-1,3-Dichloro...			0.252	0.290	0.325	0.384	0.396	0.329	18.54
46)	T	cis-1,3-Dichlo...			0.368	0.416	0.446	0.470	0.476	0.435	10.17
47)	T	1,1,2-Trichlor...			0.327	0.360	0.350	0.324	0.323	0.337	5.12
48)	T	Dibromochlorom...			0.536	0.604	0.625	0.610	0.633	0.602	6.38
49)	T	Bromoform			0.441	0.485	0.535	0.511	0.535	0.501	7.85
50)	T	4-Methyl-2-Pen...			0.724	0.837	0.870	0.816	0.820	0.813	6.70
51)	T	2-Hexanone			0.575	0.622	0.680	0.632	0.654	0.633	6.19
52)	T	Tetrachloroethene	0.314	0.326	0.334	0.331	0.327	0.292	0.295	0.317	5.35
53)	T	Toluene			0.897	0.975	1.005	0.899	0.899	0.935	5.49
54)	T	1,2-Dibromoethane	0.436		0.426	0.477	0.461	0.450	0.465	0.453	4.20
-----ISTD-----											
55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.512	0.501	0.486	0.430	0.437	0.473	7.92
57)	T	Chlorobenzene			0.763	0.842	0.779	0.686	0.692	0.752	8.64
58)	T	Ethyl Benzene			1.421	1.486	1.463	1.266	1.251	1.377	8.08
59)	T	m/p-Xylene			1.264	1.313	1.282	1.103	1.104	1.213	8.38
60)	T	o-Xylene			1.182	1.212	1.209	1.036	1.060	1.140	7.48
61)	T	Styrene			0.579	0.631	0.637	0.593	0.611	0.610	4.07
62)		Isopropylbenzene			1.818	1.832	1.792	1.509	1.520	1.694	9.72
63)	T	1,1,2,2-Tetrac...	0.711	0.685	0.690	0.618	0.646	0.557	0.570	0.640	9.42
64)		n-propylbenzene			0.415	0.428	0.448	0.390	0.401	0.416	5.40
65)		tert-Butylbenzene			1.649	1.667	1.657	1.379	1.394	1.549	9.60
66)	T	Benzyl Chloride			0.160	0.162	0.185	0.242	0.259	0.201	22.92
67)		sec-Butylbenzene			2.151	2.305	2.281	1.915	1.917	2.114	8.99
68)	S	1-Bromo-4-Fluo...	0.859	0.830	0.847	0.813	0.781	0.811	0.847	0.827	3.29
69)		p-Isopropyltol...			1.843	1.908	1.946	1.602	1.617	1.783	9.14
70)		n-Butylbenzene			1.767	1.955	2.029	1.701	1.700	1.830	8.31
71)		2-Chlorotoluene			1.336	1.389	1.380	1.168	1.187	1.292	8.26
72)	T	4-Ethyltoluene			1.379	1.391	1.419	1.236	1.255	1.336	6.31
73)	T	1,3,5-Trimethy...			1.193	1.265	1.303	1.120	1.142	1.205	6.51
74)	T	1,2,4-Trimethy...			1.391	1.429	1.442	1.221	1.241	1.345	7.89
75)	T	1,3-Dichlorobe...			0.764	0.809	0.796	0.706	0.730	0.761	5.70
76)	T	1,4-Dichlorobe...			0.812	0.821	0.773	0.686	0.704	0.759	8.11
77)	T	1,2-Dichlorobe...			0.805	0.833	0.806	0.691	0.701	0.767	8.61
78)	T	Hexachloro-1,3...			0.763	0.783	0.764	0.592	0.604	0.701	13.49
79)	T	Naphthalene	0.647		0.962	1.093	1.196	1.130	1.183	1.035	20.07
80)	T	Naphthalene,2-...			0.219	0.323	0.406	0.488	0.487	0.385	29.82
81)	T	1,2,4-Trichlor...			0.618	0.659	0.704	0.636	0.662	0.656	4.93

(#) = Out of Range