

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

Method File : VL111821AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021

Last Update : Thu Nov 18 13:16:09 2021

Response Via : Initial Calibration

Calibration Files

0.03=VL038051.D 0.1 =VL038050.D 0.5 =VL038049.D 1 =VL038048.D 2 =VL038047.D 10 =VL038046.D 15 =VL038052.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			2.448	1.938	1.523	1.257	1.093	1.652	33.15
3) Chlorodifluoro...			2.279	2.283	2.208	1.863	1.868	2.100	10.30
4) Chloromethane			0.743	0.737	0.772	0.645	0.677	0.715	7.31
5) T Vinyl Chloride	0.743	0.706	0.686	0.725	0.734	0.651	0.665	0.701	5.03
6) T Bromomethane			0.413	0.377	0.375	0.351	0.362	0.376	6.20
7) Chloroethane			0.273	0.253	0.264	0.223	0.231	0.249	8.63
8) T Dichlorotetra...			1.732	1.871	1.745	1.485	1.383	1.643	12.29
9) T Propene			0.883	0.791	0.815	0.691	0.686	0.773	10.90
10) T Heptane			2.096	2.024	2.068	1.689	1.680	1.911	10.91
11) T Trichlorofluor...			1.697	1.625	1.715	1.416	1.402	1.571	9.66
12) T 1,1,2-Trichlor...			1.194	1.180	1.181	1.026	0.976	1.111	9.20
13) Ethanol			0.089	0.091	0.078	0.056	0.060	0.075	21.58
14) T Bromoethene			0.533	0.510	0.526	0.444	0.475	0.498	7.52
15) T Acetone			0.931	0.992	0.935	0.718	0.759	0.867	13.96
16) T 1,3-Butadiene			0.716	0.711	0.703	0.620	0.632	0.676	6.87
17) tert-Butyl alc...			1.140	1.163	1.100	0.946	0.910	1.052	11.03
18) T 1,1-Dichloroet...			0.539	0.556	0.529	0.466	0.459	0.510	8.69
19) T Isopropyl Alcohol			0.762	0.726	0.635	0.507	0.502	0.626	19.19
20) T Methylene Chlo...			0.587	0.544	0.517	0.395	0.385	0.486	18.71
21) T Allyl Chloride			0.849	0.870	0.822	0.749	0.723	0.803	7.97
22) T trans-1,2-Dich...			0.534	0.549	0.524	0.484	0.491	0.516	5.39
23) T Vinyl Acetate			1.217	1.393	1.234	1.228	1.203	1.255	6.20
24) T 1,1-Dichloroet...			1.127	1.109	1.070	0.982	0.937	1.045	7.89
25) T Ethyl Acetate			3.168	3.082	3.114	2.519	2.525	2.882	11.44
26) T Hexane			1.523	1.544	1.490	1.181	1.206	1.389	12.92
27) T Carbon Disulfide			1.218	1.302	1.291	1.231	1.179	1.244	4.15
28) T Methyl tert-Bu...			1.227	1.216	1.262	1.121	1.073	1.180	6.72
29) T Chloroform			2.175	2.187	2.209	1.820	1.842	2.047	9.65
30) T Cyclohexane			1.388	1.370	1.329	1.105	1.113	1.261	11.16
31) T cis-1,2-Dichlo...			1.377	1.379	1.410	1.218	1.222	1.321	7.04
32) T 1,1,1-Trichlor...	2.131	2.149	2.124	2.140	2.209	1.894	1.894	2.077	6.16

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.442	0.405	0.429	0.357	0.383	0.403	8.53
35) T Carbon Tetrach...	0.740	0.706	0.705	0.739	0.760	0.636	0.633	0.703	7.18
36) T Benzene			1.086	1.090	1.067	0.880	0.864	0.998	11.52
37) T 1,2-Dichloroet...			0.494	0.504	0.514	0.446	0.451	0.482	6.51
38) T Trichloroethene	0.394	0.398	0.404	0.415	0.387	0.324	0.311	0.376	10.92
39) T 1,2-Dichloropr...			0.422	0.399	0.405	0.347	0.340	0.383	9.58

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40)	T	1,4-Dioxane		0.116	0.120	0.104	0.085	0.073	0.100	20.48
41)	T	Tetrahydrofuran		0.280	0.264	0.265	0.218	0.224	0.250	10.99
42)	T	Bromodichlorom...		0.744	0.800	0.794	0.667	0.658	0.732	9.26
43)		Methyl Methacr...		0.333	0.366	0.362	0.322	0.324	0.341	6.24
44)	T	2,2,4-Trimethy...		1.820	1.894	1.858	1.416	1.357	1.669	15.58
45)	T	t-1,3-Dichloro...		0.240	0.259	0.283	0.291	0.295	0.274	8.54
46)	T	cis-1,3-Dichlo...		0.355	0.374	0.396	0.360	0.366	0.370	4.35
47)	T	1,1,2-Trichlor...		0.434	0.436	0.431	0.359	0.344	0.401	11.35
48)	T	Dibromochlorom...		0.589	0.641	0.675	0.583	0.564	0.610	7.56
49)	T	Bromoform		0.387	0.472	0.499	0.419	0.405	0.437	10.83
50)	T	4-Methyl-2-Pen...		0.632	0.651	0.646	0.567	0.567	0.612	6.88
51)	T	2-Hexanone		0.287	0.304	0.311	0.267	0.271	0.288	6.77
52)	T	Tetrachloroethene	0.457 0.400	0.381	0.385	0.379	0.298	0.285	0.369	16.14
53)	T	Toluene		1.238	1.259	1.250	1.015	0.977	1.148	12.17
54)	T	1,2-Dibromoethane		0.580	0.622	0.607	0.516	0.506	0.566	9.31
-----ISTD-----										
55)	I	Chlorobenzene-d5								
56)		1,1,1,2-Tetrac...		0.477	0.495	0.504	0.411	0.382	0.454	11.92
57)	T	Chlorobenzene		1.008	1.008	0.966	0.785	0.713	0.896	15.38
58)	T	Ethyl Benzene		1.864	1.827	1.795	1.442	1.336	1.653	14.81
59)	T	m/p-Xylene		1.572	1.593	1.515	1.192	1.085	1.391	16.93
60)	T	o-Xylene		1.470	1.466	1.392	1.097	1.029	1.291	16.40
61)	T	Styrene		0.694	0.771	0.741	0.642	0.611	0.692	9.59
62)		Isopropylbenzene		2.077	2.076	1.989	1.552	1.466	1.832	16.30
63)	T	1,1,2,2-Tetrac...	1.029 1.132	1.026	1.065	1.008	0.765	0.686	0.959	17.30
64)		n-propylbenzene		0.533	0.500	0.516	0.409	0.376	0.467	14.91
65)		tert-Butylbenzene		1.899	1.891	1.800	1.308	1.173	1.614	21.48
66)	T	Benzyl Chloride		0.079	0.076	0.087	0.086	0.081	0.082	5.47
67)		sec-Butylbenzene		2.642	2.566	2.533	1.854	1.651	2.249	20.50
68)	S	1-Bromo-4-Fluo...	0.722 0.716	0.726	0.726	0.699	0.725	0.735	0.721	1.55
69)		p-Isopropyltol...		1.940	2.003	2.006	1.499	1.349	1.759	17.72
70)		n-Butylbenzene		1.822	1.928	1.905	1.436	1.320	1.682	16.85
71)		2-Chlorotoluene		1.542	1.539	1.461	1.135	1.021	1.339	18.23
72)	T	4-Ethyltoluene		1.609	1.657	1.648	1.317	1.251	1.496	13.11
73)	T	1,3,5-Trimethy...		1.568	1.502	1.517	1.150	1.096	1.367	16.43
74)	T	1,2,4-Trimethy...		1.567	1.635	1.610	1.173	1.058	1.408	19.30
75)	T	1,3-Dichlorobe...		0.848	0.873	0.860	0.673	0.614	0.774	15.62
76)	T	1,4-Dichlorobe...		0.857	0.892	0.878	0.650	0.615	0.778	17.28
77)	T	1,2-Dichlorobe...		0.868	0.827	0.843	0.630	0.577	0.749	18.02
78)	T	Hexachloro-1,3...		0.571	0.567	0.538	0.344	0.318	0.468	26.87
79)	T	Naphthalene		0.692	0.804	0.846	0.689	0.678	0.742	10.47
80)	T	Naphthalene,2-...		0.116	0.143	0.182	0.175	0.179	0.159	18.13
81)	T	1,2,4-Trichlor...		0.438	0.475	0.481	0.376	0.361	0.426	13.03

(#) = Out of Range