

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

Method File : VL081722AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 17 12:06:24 2022

Last Update : Wed Aug 17 12:06:24 2022

Response Via : Initial Calibration

Calibration Files

0.03=VL039541.D 0.1 =VL039540.D 0.5 =VL039539.D 1 =VL039538.D 2 =VL039537.D 10 =VL039536.D 15 =VL039542.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.700	1.750	1.225	1.056	0.990	1.344	26.67
3) Chlorodifluoro...			1.274	1.318	1.276	1.058	1.067	1.199	10.47
4) Chloromethane			0.773	0.773	0.783	0.647	0.607	0.717	11.56
5) T Vinyl Chloride	0.671	0.671	0.633	0.628	0.612	0.551	0.559	0.618	7.81
6) T Bromomethane			0.267	0.277	0.259	0.217	0.245	0.253	9.22
7) Chloroethane			0.223	0.237	0.227	0.200	0.213	0.220	6.37
8) T Dichlorotetra...			1.568	1.569	1.526	1.306	1.248	1.443	10.70
9) T Propene			0.595	0.568	0.601	0.477	0.489	0.546	10.87
10) T Heptane			1.149	1.324	1.374	1.230	1.265	1.268	6.84
11) T Trichlorofluor...			1.601	1.547	1.556	1.314	1.365	1.476	8.69
12) T 1,1,2-Trichlor...			1.170	1.109	1.206	0.952	1.016	1.091	9.72
13) Ethanol			0.044	0.047	0.048	0.029	0.029	0.039#	24.94
14) T Bromoethene			0.486	0.428	0.460	0.418	0.436	0.446	6.09
15) T Acetone			1.240	1.217	1.195	0.978	1.018	1.130	10.79
16) T 1,3-Butadiene			0.610	0.604	0.629	0.541	0.549	0.587	6.66
17) tert-Butyl alc...			1.014	1.085	0.988	0.885	0.851	0.965	9.93
18) T 1,1-Dichloroet...			0.531	0.522	0.502	0.437	0.466	0.492	7.99
19) T Isopropyl Alcohol			0.570	0.618	0.548	0.522	0.503	0.552	8.05
20) T Methylene Chlo...			0.551	0.500	0.504	0.365	0.380	0.460	17.95
21) T Allyl Chloride			0.717	0.773	0.752	0.694	0.734	0.734	4.14
22) T trans-1,2-Dich...			0.526	0.522	0.486	0.434	0.474	0.489	7.71
23) T Vinyl Acetate			0.595	0.489	0.559	0.513	0.684	0.568	13.50
24) T 1,1-Dichloroet...			1.025	1.038	1.044	0.914	0.976	1.000	5.46
25) T Ethyl Acetate			2.479	2.583	2.550	2.191	2.242	2.409	7.50
26) T Hexane			0.977	1.057	1.073	0.888	0.944	0.988	7.85
27) T Carbon Disulfide			0.952	1.021	1.074	1.055	1.168	1.054	7.50
28) T Methyl tert-Bu...			0.888	0.928	0.906	0.738	0.883	0.869	8.63
29) T Chloroform			1.604	1.633	1.638	1.391	1.466	1.546	7.22
30) T Cyclohexane			0.826	0.852	0.865	0.756	0.803	0.820	5.29
31) T cis-1,2-Dichlo...			0.942	1.047	0.956	0.885	0.946	0.955	6.10
32) T 1,1,1-Trichlor...	1.596	1.371	1.376	1.505	1.503	1.342	1.458	1.450	6.33

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.521	0.533	0.523	0.463	0.474	0.503	6.27
35) T Carbon Tetrach...	0.613	0.525	0.531	0.564	0.586	0.541	0.578	0.563	5.71
36) T Benzene			0.755	0.795	0.821	0.715	0.726	0.762	5.95
37) T 1,2-Dichloroet...			0.419	0.449	0.444	0.394	0.411	0.423	5.46
38) T Trichloroethene	0.433	0.379	0.402	0.446	0.447	0.400	0.390	0.414	6.68
39) T 1,2-Dichloropr...			0.271	0.297	0.318	0.267	0.275	0.286	7.61

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40)	T	1,4-Dioxane			0.127	0.129	0.101	0.106	0.104	0.113	12.09
41)	T	Tetrahydrofuran			0.281	0.304	0.314	0.283	0.296	0.296	4.75
42)	T	Bromodichlorom...			0.542	0.579	0.613	0.562	0.598	0.579	4.83
43)		Methyl Methacr...			0.241	0.265	0.292	0.284	0.297	0.276	8.42
44)	T	2,2,4-Trimethy...			1.215	1.377	1.432	1.197	1.199	1.284	8.71
45)	T	t-1,3-Dichloro...			0.180	0.204	0.241	0.274	0.316	0.243	22.38
46)	T	cis-1,3-Dichlo...			0.262	0.292	0.335	0.375	0.405	0.334	17.48
47)	T	1,1,2-Trichlor...			0.333	0.356	0.344	0.300	0.304	0.327	7.55
48)	T	Dibromochlorom...			0.406	0.466	0.513	0.511	0.538	0.487	10.75
49)	T	Bromoform			0.311	0.376	0.431	0.435	0.461	0.403	14.93
50)	T	4-Methyl-2-Pen...			0.673	0.791	0.855	0.772	0.777	0.774	8.48
51)	T	2-Hexanone			0.480	0.519	0.632	0.603	0.618	0.570	11.69
52)	T	Tetrachloroethene	0.320	0.302	0.281	0.314	0.317	0.270	0.284	0.299	6.65
53)	T	Toluene			0.728	0.866	0.949	0.853	0.874	0.854	9.37
54)	T	1,2-Dibromoethane		0.341	0.357	0.381	0.398	0.367	0.397	0.373	6.09
-----ISTD-----											
55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.413	0.438	0.445	0.373	0.388	0.412	7.50
57)	T	Chlorobenzene			0.791	0.843	0.795	0.654	0.676	0.752	10.92
58)	T	Ethyl Benzene			0.991	1.202	1.291	1.130	1.176	1.158	9.52
59)	T	m/p-Xylene			0.979	1.117	1.149	0.962	1.000	1.041	8.21
60)	T	o-Xylene			0.912	1.067	1.114	0.932	0.966	0.998	8.80
61)	T	Styrene			0.389	0.514	0.591	0.566	0.603	0.533	16.40
62)		Isopropylbenzene			1.480	1.637	1.670	1.358	1.408	1.511	9.13
63)	T	1,1,2,2-Tetrac...	0.656	0.522	0.499	0.524	0.496	0.383	0.434	0.502	16.96
64)		n-propylbenzene			0.380	0.415	0.439	0.356	0.379	0.394	8.37
65)		tert-Butylbenzene			1.219	1.483	1.554	1.210	1.268	1.347	11.90
66)	T	Benzyl Chloride			0.081	0.095	0.108	0.123	0.170	0.116	29.42
67)		sec-Butylbenzene			1.861	2.048	2.155	1.703	1.744	1.902	10.24
68)	S	1-Bromo-4-Fluo...	0.750	0.743	0.764	0.759	0.737	0.757	0.760	0.753	1.30
69)		p-Isopropyltol...			1.479	1.696	1.818	1.437	1.493	1.585	10.39
70)		n-Butylbenzene			1.438	1.707	1.784	1.438	1.498	1.573	10.28
71)		2-Chlorotoluene			1.001	1.173	1.227	1.015	1.058	1.095	9.15
72)	T	4-Ethyltoluene			1.070	1.203	1.293	1.128	1.170	1.173	7.12
73)	T	1,3,5-Trimethy...			0.986	1.144	1.171	1.008	1.047	1.071	7.69
74)	T	1,2,4-Trimethy...			1.172	1.280	1.330	1.073	1.116	1.194	9.10
75)	T	1,3-Dichlorobe...			0.731	0.753	0.806	0.647	0.691	0.725	8.38
76)	T	1,4-Dichlorobe...			0.742	0.792	0.765	0.650	0.684	0.727	8.03
77)	T	1,2-Dichlorobe...			0.703	0.781	0.777	0.623	0.670	0.711	9.63
78)	T	Hexachloro-1,3...			0.601	0.647	0.634	0.455	0.487	0.565	15.62
79)	T	Naphthalene		0.466	0.694	0.917	1.076	0.937	1.012	0.850	26.87
80)	T	Naphthalene,2-...			0.237	0.229	0.382	0.414	0.417	0.336	28.28
81)	T	1,2,4-Trichlor...			0.516	0.584	0.645	0.522	0.566	0.567	9.25

(#) = Out of Range