

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

Method File : VL022222AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022

Last Update : Tue Feb 22 19:45:51 2022

Response Via : Initial Calibration

Calibration Files

0.03=VL038380.D 0.1 =VL038379.D 0.5 =VL038378.D 1 =VL038377.D 2 =VL038376.D 10 =VL038375.D 15 =VL038381.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			2.041	1.781	1.347	1.560	1.190	1.584	21.40
3) Chlorodifluoro...			1.920	1.832	1.832	1.638	1.607	1.766	7.70
4) Chloromethane			0.644	0.645	0.640	0.565	0.573	0.614	6.60
5) T Vinyl Chloride	0.872	0.604	0.607	0.614	0.625	0.592	0.575	0.641	16.05
6) T Bromomethane			0.378	0.337	0.347	0.309	0.321	0.338	7.76
7) Chloroethane			0.221	0.204	0.200	0.197	0.208	0.206	4.60
8) T Dichlorotetra...			1.623	1.535	1.494	1.384	1.330	1.473	7.95
9) T Propene			0.617	0.580	0.622	0.551	0.544	0.583	6.18
10) T Heptane			1.330	1.427	1.530	1.411	1.399	1.419	5.06
11) T Trichlorofluor...			1.622	1.556	1.571	1.424	1.409	1.516	6.24
12) T 1,1,2-Trichlor...			1.175	1.135	1.154	1.049	1.045	1.112	5.46
13) Ethanol			0.064	0.063	0.064	0.052	0.047	0.058	14.06
14) T Bromoethene			0.461	0.451	0.458	0.418	0.426	0.443	4.42
15) T Acetone			0.975	0.928	0.913	0.714	0.722	0.850	14.46
16) T 1,3-Butadiene			0.572	0.574	0.573	0.556	0.565	0.568	1.34
17) tert-Butyl alc...			0.889	0.914	0.862	0.804	0.773	0.848	6.93
18) T 1,1-Dichloroet...			0.503	0.515	0.509	0.453	0.461	0.488	5.92
19) T Isopropyl Alcohol			0.569	0.550	0.464	0.439	0.440	0.492	12.70
20) T Methylene Chlo...			0.482	0.448	0.421	0.372	0.383	0.421	10.76
21) T Allyl Chloride			0.755	0.702	0.747	0.684	0.703	0.718	4.33
22) T trans-1,2-Dich...			0.491	0.485	0.508	0.480	0.499	0.492	2.29
23) T Vinyl Acetate			1.097	1.115	1.214	1.090	1.118	1.127	4.42
24) T 1,1-Dichloroet...			1.068	1.039	1.046	0.944	0.969	1.013	5.28
25) T Ethyl Acetate			2.351	2.336	2.396	2.186	2.155	2.285	4.70
26) T Hexane			1.051	1.080	1.075	0.983	0.985	1.035	4.60
27) T Carbon Disulfide			1.112	1.123	1.172	1.181	1.167	1.151	2.69
28) T Methyl tert-Bu...			1.061	1.085	1.099	1.013	1.012	1.054	3.83
29) T Chloroform			1.695	1.760	1.755	1.623	1.610	1.689	4.19
30) T Cyclohexane			0.773	0.898	0.898	0.825	0.837	0.846	6.24
31) T cis-1,2-Dichlo...			0.973	1.029	1.024	0.996	0.990	1.002	2.37
32) T 1,1,1-Trichlor...	2.026	1.591	1.669	1.668	1.740	1.589	1.605	1.698	9.10

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.319	0.305	0.329	0.309	0.310	0.315	3.12
35) T Carbon Tetrach...	0.812	0.627	0.699	0.703	0.721	0.687	0.673	0.703	8.06
36) T Benzene			0.858	0.904	0.932	0.867	0.841	0.880	4.19
37) T 1,2-Dichloroet...			0.507	0.503	0.529	0.508	0.497	0.509	2.35
38) T Trichloroethene	0.353	0.303	0.310	0.335	0.333	0.308	0.302	0.321	6.11
39) T 1,2-Dichloropr...			0.347	0.359	0.370	0.340	0.337	0.351	3.92

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40)	T	1,4-Dioxane			0.088	0.097	0.077	0.080	0.074	0.083	11.06
41)	T	Tetrahydrofuran			0.196	0.210	0.225	0.216	0.217	0.213	5.10
42)	T	Bromodichlorom...			0.710	0.738	0.770	0.737	0.718	0.735	3.18
43)		Methyl Methacr...			0.266	0.294	0.325	0.324	0.321	0.306	8.47
44)	T	2,2,4-Trimethy...			1.488	1.613	1.628	1.456	1.381	1.513	6.96
45)	T	t-1,3-Dichloro...			0.186	0.203	0.252	0.285	0.297	0.245	19.99
46)	T	cis-1,3-Dichlo...			0.265	0.286	0.333	0.357	0.362	0.321	13.51
47)	T	1,1,2-Trichlor...			0.349	0.344	0.364	0.348	0.338	0.349	2.78
48)	T	Dibromochlorom...			0.518	0.547	0.591	0.604	0.592	0.570	6.38
49)	T	Bromoform			0.351	0.393	0.435	0.472	0.453	0.421	11.58
50)	T	4-Methyl-2-Pen...			0.491	0.535	0.579	0.596	0.579	0.556	7.69
51)	T	2-Hexanone			0.215	0.228	0.248	0.276	0.278	0.249	11.42
52)	T	Tetrachloroethene	0.313	0.282	0.300	0.298	0.294	0.280	0.279	0.292	4.35
53)	T	Toluene			0.885	0.958	1.022	0.959	0.954	0.956	5.08
54)	T	1,2-Dibromoethane			0.465	0.468	0.512	0.503	0.507	0.491	4.56
-----ISTD-----											
55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.440	0.423	0.425	0.398	0.398	0.417	4.41
57)	T	Chlorobenzene			0.843	0.799	0.787	0.706	0.722	0.772	7.33
58)	T	Ethyl Benzene			1.340	1.394	1.429	1.335	1.339	1.367	3.09
59)	T	m/p-Xylene			1.143	1.218	1.246	1.133	1.132	1.174	4.58
60)	T	o-Xylene			1.106	1.151	1.150	1.070	1.074	1.110	3.54
61)	T	Styrene			0.430	0.497	0.509	0.554	0.570	0.512	10.73
62)		Isopropylbenzene			1.520	1.528	1.547	1.426	1.430	1.490	3.86
63)	T	1,1,2,2-Tetrac...	1.252	0.871	0.886	0.861	0.858	0.792	0.793	0.902	17.61
64)		n-propylbenzene			0.353	0.370	0.372	0.373	0.376	0.369	2.43
65)		tert-Butylbenzene			1.236	1.348	1.373	1.242	1.254	1.291	5.00
66)	T	Benzyl Chloride			0.051	0.054	0.065	0.084	0.095	0.070	27.77
67)		sec-Butylbenzene			1.750	1.910	1.958	1.757	1.768	1.829	5.34
68)	S	1-Bromo-4-Fluo...	0.826	0.845	0.828	0.807	0.799	0.820	0.867	0.827	2.77
69)		p-Isopropyltol...			1.310	1.430	1.536	1.449	1.456	1.436	5.68
70)		n-Butylbenzene			1.356	1.474	1.554	1.519	1.529	1.486	5.28
71)		2-Chlorotoluene			1.113	1.183	1.183	1.134	1.116	1.146	3.06
72)	T	4-Ethyltoluene			1.108	1.211	1.268	1.250	1.279	1.223	5.68
73)	T	1,3,5-Trimethy...			1.030	1.111	1.170	1.120	1.124	1.111	4.57
74)	T	1,2,4-Trimethy...			1.071	1.206	1.242	1.170	1.174	1.173	5.44
75)	T	1,3-Dichlorobe...			0.636	0.644	0.675	0.658	0.671	0.657	2.59
76)	T	1,4-Dichlorobe...			0.622	0.662	0.664	0.636	0.654	0.648	2.79
77)	T	1,2-Dichlorobe...			0.617	0.637	0.645	0.622	0.640	0.632	1.93
78)	T	Hexachloro-1,3...			0.530	0.518	0.514	0.421	0.429	0.482	10.95
79)	T	Naphthalene			0.413	0.518	0.614	0.783	0.849	0.635	28.51
80)	T	Naphthalene,2-...			0.047	0.059	0.098	0.182	0.235	0.124	65.56
81)	T	1,2,4-Trichlor...			0.300	0.340	0.382	0.435	0.464	0.384	17.46

(#) = Out of Range