

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

Method File : VL040522AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 06 06:12:53 2022

Last Update : Wed Apr 06 06:12:53 2022

Response Via : Initial Calibration

Calibration Files

0.03=VL038817.D 0.1 =VL038816.D 0.5 =VL038815.D 1 =VL038814.D 2 =VL038813.D 10 =VL038812.D 15 =VL038818.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.740	1.650	1.326	1.288	1.088	1.418	19.05
3) Chlorodifluoro...			1.261	1.289	1.262	1.146	1.144	1.220	5.73
4) Chloromethane			0.636	0.670	0.659	0.604	0.591	0.632	5.40
5) T Vinyl Chloride	0.574	0.658	0.572	0.576	0.586	0.560	0.562	0.584	5.79
6) T Bromomethane			0.283	0.290	0.290	0.271	0.279	0.283	2.85
7) Chloroethane			0.203	0.202	0.188	0.194	0.186	0.195	4.06
8) T Dichlorotetra...			1.383	1.427	1.377	1.234	1.205	1.325	7.48
9) T Propene			0.655	0.694	0.650	0.620	0.610	0.646	5.12
10) T Heptane			1.685	1.706	1.712	1.525	1.504	1.626	6.33
11) T Trichlorofluor...			1.188	1.130	1.190	1.099	1.092	1.140	4.12
12) T 1,1,2-Trichlor...			0.871	0.941	0.898	0.830	0.827	0.873	5.50
13) Ethanol			0.048	0.048	0.037	0.034	0.030	0.039#	21.10
14) T Bromoethene			0.404	0.385	0.401	0.356	0.374	0.384	5.18
15) T Acetone			1.132	1.039	1.045	0.888	0.874	0.996	11.13
16) T 1,3-Butadiene			0.566	0.610	0.578	0.548	0.543	0.569	4.68
17) tert-Butyl alc...			0.993	0.959	0.882	0.904	0.726	0.893	11.54
18) T 1,1-Dichloroet...			0.418	0.404	0.424	0.370	0.375	0.398	6.12
19) T Isopropyl Alcohol			0.653	0.469	0.507	0.502	0.414	0.509	17.37
20) T Methylene Chlo...			0.420	0.374	0.353	0.330	0.328	0.361	10.54
21) T Allyl Chloride			0.819	0.754	0.747	0.698	0.710	0.745	6.34
22) T trans-1,2-Dich...			0.411	0.383	0.413	0.412	0.397	0.403	3.28
23) T Vinyl Acetate			1.014	0.946	0.961	0.947	0.981	0.970	2.95
24) T 1,1-Dichloroet...			0.873	0.903	0.918	0.863	0.825	0.876	4.12
25) T Ethyl Acetate			2.462	2.689	2.595	2.477	2.409	2.526	4.50
26) T Hexane			1.144	1.272	1.220	1.070	1.044	1.150	8.40
27) T Carbon Disulfide			1.019	1.040	1.091	1.065	1.058	1.054	2.55
28) T Methyl tert-Bu...			0.915	0.904	0.913	0.872	0.835	0.888	3.88
29) T Chloroform			1.586	1.733	1.646	1.528	1.551	1.609	5.12
30) T Cyclohexane			1.074	1.056	1.066	0.934	0.937	1.013	7.06
31) T cis-1,2-Dichlo...			1.088	1.045	1.089	1.013	1.050	1.057	3.03
32) T 1,1,1-Trichlor...	1.459	1.702	1.685	1.730	1.675	1.541	1.554	1.621	6.30

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.421	0.411	0.385	0.386	0.374	0.395	4.99
35) T Carbon Tetrach...	0.614	0.561	0.622	0.612	0.644	0.572	0.572	0.600	5.17
36) T Benzene			0.959	0.960	0.953	0.842	0.836	0.910	7.14
37) T 1,2-Dichloroet...			0.426	0.389	0.443	0.408	0.413	0.416	4.87
38) T Trichloroethene	0.430	0.419	0.356	0.358	0.387	0.338	0.326	0.373	10.64
39) T 1,2-Dichloropr...			0.365	0.354	0.366	0.327	0.328	0.348	5.56

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40) T	1,4-Dioxane			0.135	0.130	0.127	0.101	0.098	0.118	14.93
41) T	Tetrahydrofuran			0.377	0.394	0.389	0.356	0.361	0.375	4.42
42) T	Bromodichlorom...			0.671	0.682	0.677	0.625	0.629	0.657	4.18
43) T	Methyl Methacr...			0.334	0.341	0.368	0.347	0.352	0.348	3.66
44) T	2,2,4-Trimethy...			1.663	1.656	1.674	1.386	1.322	1.540	11.15
45) T	t-1,3-Dichloro...			0.314	0.337	0.372	0.395	0.403	0.364	10.50
46) T	cis-1,3-Dichlo...			0.456	0.452	0.511	0.492	0.490	0.480	5.23
47) T	1,1,2-Trichlor...			0.365	0.382	0.365	0.336	0.335	0.357	5.76
48) T	Dibromochlorom...			0.523	0.577	0.595	0.558	0.541	0.559	5.08
49) T	Bromoform			0.404	0.456	0.482	0.440	0.431	0.443	6.59
50) T	4-Methyl-2-Pen...			0.829	0.925	0.956	0.880	0.854	0.889	5.81
51) T	2-Hexanone			0.637	0.604	0.724	0.688	0.696	0.670	7.17
52) T	Tetrachloroethene	0.336	0.355	0.331	0.323	0.323	0.285	0.271	0.318	9.20
53) T	Toluene			1.102	1.110	1.131	0.964	0.944	1.050	8.45
54) T	1,2-Dibromoethane	0.533		0.485	0.499	0.498	0.480	0.476	0.495	4.22
-----ISTD-----										
55) I	Chlorobenzene-d5									
56) T	1,1,1,2-Tetrac...			0.455	0.463	0.457	0.419	0.398	0.438	6.54
57) T	Chlorobenzene			0.886	0.860	0.854	0.772	0.723	0.819	8.41
58) T	Ethyl Benzene			1.575	1.604	1.549	1.400	1.344	1.494	7.71
59) T	m/p-Xylene			1.370	1.358	1.306	1.151	1.092	1.255	10.07
60) T	o-Xylene			1.235	1.316	1.226	1.079	1.018	1.175	10.41
61) T	Styrene			0.710	0.728	0.732	0.713	0.695	0.716	2.08
62) T	Isopropylbenzene			1.954	1.892	1.851	1.615	1.504	1.763	10.97
63) T	1,1,2,2-Tetrac...	0.782	0.834	0.760	0.745	0.750	0.685	0.652	0.744	8.11
64) T	n-propylbenzene			0.470	0.484	0.480	0.440	0.415	0.458	6.41
65) T	tert-Butylbenzene			1.755	1.740	1.629	1.410	1.287	1.564	13.25
66) T	Benzyl Chloride			0.242	0.258	0.332	0.390	0.370	0.318	20.65
67) T	sec-Butylbenzene			2.408	2.404	2.348	1.989	1.827	2.195	12.26
68) S	1-Bromo-4-Fluo...	0.769	0.761	0.761	0.745	0.724	0.763	0.786	0.759	2.56
69) T	p-Isopropyltol...			1.878	1.943	1.972	1.687	1.533	1.802	10.38
70) T	n-Butylbenzene			1.853	1.916	1.986	1.719	1.604	1.816	8.47
71) T	2-Chlorotoluene			1.406	1.417	1.385	1.245	1.175	1.326	8.23
72) T	4-Ethyltoluene			1.478	1.449	1.430	1.368	1.289	1.403	5.38
73) T	1,3,5-Trimethy...			1.283	1.351	1.325	1.209	1.132	1.260	7.12
74) T	1,2,4-Trimethy...			1.371	1.473	1.449	1.228	1.139	1.332	10.81
75) T	1,3-Dichlorobe...			0.817	0.810	0.806	0.739	0.694	0.773	7.01
76) T	1,4-Dichlorobe...			0.748	0.822	0.818	0.727	0.694	0.762	7.45
77) T	1,2-Dichlorobe...			0.836	0.775	0.779	0.731	0.691	0.762	7.20
78) T	Hexachloro-1,3...			0.684	0.703	0.648	0.508	0.470	0.602	17.63
79) T	Naphthalene	0.820		0.889	1.008	1.109	1.081	1.071	0.996	11.72
80) T	Naphthalene,2-...			0.164	0.185	0.267	0.296	0.315	0.246	27.49
81) T	1,2,4-Trichlor...			0.566	0.599	0.611	0.573	0.566	0.583	3.56

(#) = Out of Range