

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\

Method File : VL091423AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

Last Update : Thu Sep 14 19:50:34 2023

Response Via : Initial Calibration

Calibration Files

0.03=VL040688.D 0.1 =VL040687.D 0.5 =VL040686.D 1 =VL040685.D 2 =VL040684.D 10 =VL040683.D 15 =VL040689.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----									
1) I Bromochloromethane									
2) T Dichlorodifluo...			2.553	2.317	2.399	2.058	1.691	2.203	15.35
3) Chlorodifluoro...			1.775	1.751	1.744	1.460	1.415	1.629	10.81
4) Chloromethane			0.613	0.691	0.704	0.568	0.542	0.624	11.59
5) T Vinyl Chloride	0.966	0.716	0.768	0.707	0.739	0.628	0.636	0.737	15.36
6) T Bromomethane			0.367	0.367	0.379	0.345	0.321	0.356	6.47
7) Chloroethane			0.265	0.250	0.291	0.236	0.223	0.253	10.48
8) T Dichlorotetra...			1.899	1.983	1.924	1.685	1.603	1.819	9.07
9) T Propene			0.493	0.518	0.501	0.420	0.415	0.469	10.31
10) T Heptane			0.930	1.077	1.138	1.068	1.074	1.058	7.25
11) T Trichlorofluor...			2.082	2.039	1.958	1.823	1.784	1.937	6.73
12) T 1,1,2-Trichlor...			1.437	1.485	1.438	1.294	1.273	1.386	6.86
13) Ethanol			0.149	0.149	0.176	0.124	0.097	0.139	21.39
14) T Bromoethene			0.598	0.603	0.604	0.555	0.545	0.581	4.93
15) T Acetone			1.486	1.442	1.409	1.128	1.131	1.319	13.30
16) T 1,3-Butadiene			0.481	0.616	0.644	0.584	0.549	0.575	11.06
17) tert-Butyl alc...			1.410	1.447	1.435	1.313	1.150	1.351	9.17
18) T 1,1-Dichloroet...			0.641	0.634	0.642	0.585	0.577	0.616	5.21
19) T Isopropyl Alcohol			0.782	0.882	0.853	0.809	0.649	0.795	11.37
20) T Methylene Chlo...			0.972	0.783	0.785	0.507	0.502	0.710	28.52
21) T Allyl Chloride			0.835	0.820	0.837	0.779	0.772	0.808	3.84
22) T trans-1,2-Dich...			0.619	0.588	0.639	0.601	0.597	0.609	3.34
23) T Vinyl Acetate			1.200	1.468	1.433	1.323	1.396	1.364	7.80
24) T 1,1-Dichloroet...			1.319	1.346	1.336	1.204	1.177	1.277	6.24
25) T Ethyl Acetate			2.039	2.263	2.380	1.981	1.974	2.127	8.64
26) T Hexane			1.041	1.089	1.186	0.856	0.857	1.006	14.51
27) T Carbon Disulfide			1.272	1.298	1.507	1.462	1.474	1.403	7.77
28) T Methyl tert-Bu...			0.832	0.905	0.926	0.834	0.830	0.865	5.37
29) T Chloroform			1.850	1.820	1.818	1.616	1.580	1.737	7.38
30) T Cyclohexane			0.677	0.819	0.801	0.740	0.750	0.758	7.37
31) T cis-1,2-Dichlo...			0.899	0.963	0.988	0.902	0.915	0.933	4.29
32) T 1,1,1-Trichlor...	1.921	1.818	1.769	1.803	1.817	1.651	1.650	1.776	5.49
-----ISTD-----									
33) I 1,4-Difluorobenzene									
34) T 2-Butanone			0.522	0.546	0.514	0.468	0.465	0.503	6.99
35) T Carbon Tetrach...	0.736	0.613	0.671	0.697	0.713	0.687	0.690	0.687	5.63
36) T Benzene			0.724	0.746	0.797	0.712	0.724	0.741	4.58
37) T 1,2-Dichloroet...			0.526	0.522	0.511	0.487	0.489	0.507	3.57
38) T Trichloroethene	0.241	0.230	0.278	0.298	0.307	0.306	0.318	0.282	12.18
39) T 1,2-Dichloropr...			0.290	0.289	0.295	0.274	0.278	0.285	3.13

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40) T	1,4-Dioxane			0.079	0.116	0.113	0.123	0.108	0.108	15.74
41) T	Tetrahydrofuran			0.245	0.252	0.278	0.251	0.263	0.258	5.08
42) T	Bromodichlorom...			0.654	0.694	0.713	0.692	0.705	0.692	3.25
43) T	Methyl Methacr...			0.227	0.257	0.285	0.296	0.311	0.275	12.11
44) T	2,2,4-Trimethy...			1.017	1.193	1.298	1.183	1.204	1.179	8.62
45) T	t-1,3-Dichloro...			0.155	0.180	0.195	0.256	0.281	0.213	24.80
46) T	cis-1,3-Dichlo...			0.198	0.228	0.271	0.294	0.314	0.261	18.18
47) T	1,1,2-Trichlor...			0.332	0.322	0.336	0.319	0.327	0.327	2.09
48) T	Dibromochlorom...			0.445	0.505	0.572	0.573	0.604	0.540	11.91
49) T	Bromoform			0.371	0.381	0.459	0.495	0.510	0.443	14.48
50) T	4-Methyl-2-Pen...			0.562	0.653	0.726	0.721	0.735	0.680	10.80
51) T	2-Hexanone			0.359	0.422	0.497	0.524	0.544	0.469	16.45
52) T	Tetrachloroethene	0.218	0.190	0.231	0.255	0.259	0.264	0.274	0.242	12.35
53) T	Toluene			0.589	0.752	0.841	0.847	0.880	0.782	15.05
54) T	1,2-Dibromoethane	0.316		0.381	0.424	0.445	0.460	0.479	0.418	14.38
-----ISTD-----										
55) I	Chlorobenzene-d5									
56) T	1,1,1,2-Tetrac...			0.498	0.507	0.501	0.449	0.429	0.477	7.40
57) T	Chlorobenzene			0.783	0.802	0.799	0.715	0.687	0.757	6.97
58) T	Ethyl Benzene			0.924	1.146	1.244	1.224	1.163	1.140	11.19
59) T	m/p-Xylene			0.938	1.096	1.180	1.100	1.039	1.071	8.36
60) T	o-Xylene			0.856	1.033	1.134	1.065	1.016	1.021	10.04
61) T	Styrene			0.285	0.382	0.463	0.509	0.500	0.428	22.03
62) T	Isopropylbenzene			1.432	1.612	1.667	1.549	1.447	1.542	6.61
63) T	1,1,2,2-Tetrac...	0.848	0.684	0.859	0.836	0.875	0.769	0.730	0.800	9.14
64) T	n-propylbenzene			0.313	0.398	0.433	0.399	0.384	0.385	11.54
65) T	tert-Butylbenzene			1.218	1.445	1.541	1.398	1.316	1.384	8.89
66) T	Benzyl Chloride			0.138	0.148	0.166	0.173	0.182	0.161	11.13
67) T	sec-Butylbenzene			1.789	2.107	2.199	1.974	1.834	1.981	8.83
68) S	1-Bromo-4-Fluo...	0.780	0.782	0.796	0.766	0.753	0.792	0.739	0.773	2.71
69) T	p-Isopropyltol...			1.288	1.633	1.760	1.601	1.501	1.557	11.33
70) T	n-Butylbenzene			1.473	1.799	1.931	1.739	1.625	1.713	10.13
71) T	2-Chlorotoluene			0.946	1.146	1.265	1.209	1.137	1.141	10.56
72) T	4-Ethyltoluene			0.892	1.142	1.282	1.242	1.166	1.145	13.30
73) T	1,3,5-Trimethy...			0.845	1.051	1.157	1.083	1.019	1.031	11.25
74) T	1,2,4-Trimethy...			1.186	1.344	1.358	1.235	1.161	1.257	7.17
75) T	1,3-Dichlorobe...			0.677	0.758	0.770	0.706	0.668	0.716	6.49
76) T	1,4-Dichlorobe...			0.668	0.737	0.785	0.681	0.651	0.705	7.84
77) T	1,2-Dichlorobe...			0.726	0.783	0.743	0.674	0.640	0.713	7.95
78) T	Hexachloro-1,3...			0.580	0.598	0.582	0.478	0.460	0.540	12.07
79) T	Naphthalene	0.323		0.604	0.795	1.002	0.990	0.979	0.782	34.95
80) T	Naphthalene,2-...			0.097	0.117	0.163	0.273	0.307	0.192	49.01
81) T	1,2,4-Trichlor...			0.424	0.519	0.559	0.530	0.523	0.511	9.98

(#) = Out of Range