

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

Method File : VL060424AIR.M

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

Last Update : Wed Jun 05 04:42:10 2024

Response Via : Initial Calibration

Calibration Files

0.03=VL041303.D 0.1 =VL041302.D 0.5 =VL041301.D 1 =VL041300.D 2 =VL041299.D 10 =VL041298.D 15 =VL041304.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.857	1.826	1.647	1.440	1.215	1.597	16.95
3) Chlorodifluoro...			1.628	1.737	1.711	1.424	1.402	1.580	10.02
4) Chloromethane			0.621	0.643	0.638	0.542	0.528	0.595	9.26
5) T Vinyl Chloride	0.726	0.450	0.616	0.646	0.635	0.557	0.564	0.599	14.50
6) T Bromomethane			0.237	0.215	0.224	0.193	0.197	0.213	8.60
7) Chloroethane			0.220	0.207	0.222	0.194	0.189	0.206	7.37
8) T Dichlorotetra...			1.557	1.568	1.572	1.343	1.304	1.469	9.10
9) T Propene			0.616	0.583	0.607	0.505	0.504	0.563	9.73
10) T Heptane			1.291	1.438	1.447	1.264	1.231	1.334	7.58
11) T Trichlorofluor...			1.489	1.629	1.530	1.351	1.341	1.468	8.34
12) T 1,1,2-Trichlor...			1.035	1.146	1.096	0.970	0.938	1.037	8.33
13) Ethanol			0.143	0.182	0.173	0.124	0.111	0.146	20.86
14) T Bromoethene			0.433	0.429	0.441	0.405	0.390	0.420	5.11
15) T Acetone			1.186	1.224	1.261	1.016	1.022	1.142	10.10
16) T 1,3-Butadiene			0.589	0.571	0.573	0.567	0.570	0.574	1.50
17) tert-Butyl alc...			1.026	1.187	1.087	1.048	0.908	1.051	9.64
18) T 1,1-Dichloroet...			0.415	0.468	0.470	0.429	0.430	0.442	5.64
19) T Isopropyl Alcohol			0.657	0.788	0.751	0.748	0.643	0.717	8.86
20) T Methylene Chlo...			0.494	0.434	0.441	0.349	0.357	0.415	14.75
21) T Allyl Chloride			0.737	0.737	0.774	0.690	0.678	0.723	5.39
22) T trans-1,2-Dich...			0.459	0.461	0.500	0.445	0.440	0.461	5.06
23) T Vinyl Acetate			1.060	1.142	1.237	1.199	1.200	1.168	5.93
24) T 1,1-Dichloroet...			1.042	1.089	1.099	0.960	0.947	1.027	6.90
25) T Ethyl Acetate			2.231	2.449	2.463	2.092	2.059	2.259	8.46
26) T Hexane			1.089	1.103	1.085	0.910	0.891	1.016	10.39
27) T Carbon Disulfide			1.015	1.149	1.190	1.132	1.139	1.125	5.82
28) T Methyl tert-Bu...			0.739	0.831	0.812	0.704	0.677	0.753	8.91
29) T Chloroform			1.536	1.725	1.689	1.432	1.410	1.558	9.24
30) T Cyclohexane			0.834	0.848	0.900	0.768	0.766	0.823	6.94
31) T cis-1,2-Dichlo...			0.945	0.992	1.012	0.923	0.928	0.960	4.14
32) T 1,1,1-Trichlor...	1.485	1.275	1.502	1.628	1.605	1.411	1.428	1.476	8.19

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.455	0.481	0.514	0.467	0.477	0.479	4.62
35) T Carbon Tetrach...	0.584	0.486	0.583	0.580	0.625	0.560	0.560	0.568	7.44
36) T Benzene			0.771	0.794	0.852	0.742	0.716	0.775	6.77
37) T 1,2-Dichloroet...			0.464	0.447	0.487	0.434	0.427	0.452	5.34
38) T Trichloroethene	0.380	0.302	0.320	0.306	0.325	0.282	0.284	0.314	10.55
39) T 1,2-Dichloropr...			0.317	0.328	0.331	0.287	0.280	0.309	7.62

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40) T	1,4-Dioxane			0.103	0.122	0.131	0.107	0.102	0.113	11.19
41) T	Tetrahydrofuran			0.307	0.302	0.340	0.305	0.304	0.312	5.09
42) T	Bromodichlorom...			0.662	0.656	0.688	0.631	0.607	0.649	4.74
43) T	Methyl Methacr...			0.267	0.286	0.321	0.304	0.300	0.295	6.89
44) T	2,2,4-Trimethy...			1.356	1.419	1.446	1.251	1.194	1.333	8.10
45) T	t-1,3-Dichloro...			0.157	0.173	0.215	0.224	0.228	0.199	16.22
46) T	cis-1,3-Dichlo...			0.226	0.249	0.271	0.266	0.271	0.257	7.63
47) T	1,1,2-Trichlor...			0.334	0.326	0.345	0.309	0.298	0.323	5.84
48) T	Dibromochlorom...			0.511	0.532	0.570	0.526	0.520	0.532	4.27
49) T	Bromoform			0.395	0.411	0.470	0.434	0.433	0.428	6.60
50) T	4-Methyl-2-Pen...			0.735	0.815	0.860	0.788	0.767	0.793	5.98
51) T	2-Hexanone			0.512	0.557	0.603	0.581	0.565	0.564	6.05
52) T	Tetrachloroethene	0.324	0.231	0.309	0.291	0.295	0.265	0.264	0.283	11.19
53) T	Toluene			0.852	0.914	0.969	0.870	0.853	0.892	5.59
54) T	1,2-Dibromoethane		0.344	0.425	0.444	0.464	0.422	0.424	0.420	9.64
-----ISTD-----										
55) I	Chlorobenzene-d5									
56) T	1,1,1,2-Tetrac...			0.438	0.457	0.436	0.400	0.384	0.423	7.08
57) T	Chlorobenzene			0.784	0.820	0.776	0.680	0.654	0.743	9.65
58) T	Ethyl Benzene			1.280	1.341	1.399	1.217	1.172	1.282	7.13
59) T	m/p-Xylene			1.112	1.167	1.189	1.033	0.989	1.098	7.79
60) T	o-Xylene			1.062	1.131	1.141	0.971	0.931	1.047	8.99
61) T	Styrene			0.465	0.506	0.554	0.525	0.517	0.513	6.34
62) T	Isopropylbenzene			1.629	1.699	1.735	1.456	1.398	1.583	9.42
63) T	1,1,2,2-Tetrac...	0.915	0.574	0.760	0.814	0.798	0.696	0.658	0.745	15.11
64) T	n-propylbenzene			0.412	0.427	0.444	0.387	0.369	0.408	7.41
65) T	tert-Butylbenzene			1.440	1.528	1.560	1.289	1.222	1.408	10.49
66) T	Benzyl Chloride			0.078	0.078	0.090	0.105	0.111	0.093	16.58
67) T	sec-Butylbenzene			2.010	2.163	2.208	1.829	1.734	1.989	10.35
68) S	1-Bromo-4-Fluo...	0.777	0.774	0.777	0.772	0.749	0.770	0.786	0.772	1.45
69) T	p-Isopropyltol...			1.603	1.800	1.822	1.519	1.450	1.639	10.17
70) T	n-Butylbenzene			1.651	1.813	1.918	1.591	1.529	1.700	9.46
71) T	2-Chlorotoluene			1.249	1.289	1.315	1.131	1.075	1.212	8.56
72) T	4-Ethyltoluene			1.215	1.246	1.330	1.176	1.132	1.220	6.14
73) T	1,3,5-Trimethy...			1.027	1.088	1.186	1.017	0.975	1.059	7.72
74) T	1,2,4-Trimethy...			1.197	1.300	1.311	1.113	1.064	1.197	9.17
75) T	1,3-Dichlorobe...			0.699	0.738	0.760	0.671	0.646	0.703	6.63
76) T	1,4-Dichlorobe...			0.746	0.723	0.744	0.651	0.648	0.702	7.03
77) T	1,2-Dichlorobe...			0.760	0.723	0.758	0.649	0.627	0.704	8.80
78) T	Hexachloro-1,3...			0.652	0.651	0.644	0.470	0.466	0.577	17.18
79) T	Naphthalene		0.557	0.895	1.074	1.322	1.197	1.188	1.039	26.59
80) T	Naphthalene,2-...			0.220	0.250	0.423	0.411	0.450	0.351	30.51
81) T	1,2,4-Trichlor...			0.535	0.588	0.651	0.565	0.557	0.579	7.65

(#) = Out of Range