

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

Method File : VL062624AIR.M

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

Last Update : Thu Jun 27 09:18:04 2024

Response Via : Initial Calibration

Calibration Files

0.03=VL041357.D 0.1 =VL041356.D 0.5 =VL041355.D 1 =VL041354.D 2 =VL041353.D 10 =VL041352.D 15 =VL041358.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			2.052	1.942	1.747	1.428	1.363	1.706	17.88
3) Chlorodifluoro...			1.876	1.935	1.904	1.458	1.449	1.724	14.41
4) Chloromethane			0.710	0.723	0.730	0.568	0.563	0.659	12.94
5) T Vinyl Chloride	0.934	0.698	0.692	0.723	0.742	0.592	0.604	0.712	15.90
6) T Bromomethane			0.238	0.230	0.256	0.201	0.202	0.225	10.54
7) Chloroethane			0.232	0.273	0.264	0.199	0.208	0.235	13.91
8) T Dichlorotetra...			1.837	1.854	1.780	1.413	1.409	1.659	13.73
9) T Propene			0.682	0.654	0.626	0.511	0.510	0.597	13.61
10) T Heptane			1.431	1.521	1.558	1.242	1.256	1.401	10.47
11) T Trichlorofluor...			1.776	1.826	1.841	1.425	1.436	1.661	12.74
12) T 1,1,2-Trichlor...			1.219	1.309	1.283	0.998	1.012	1.164	12.82
13) Ethanol			0.122	0.124	0.184	0.113	0.120	0.132	22.04
14) T Bromoethene			0.494	0.487	0.498	0.424	0.432	0.467	7.72
15) T Acetone			1.331	1.587	1.530	1.069	1.086	1.321	18.29
16) T 1,3-Butadiene			0.618	0.599	0.742	0.597	0.588	0.629	10.22
17) tert-Butyl alc...			0.856	1.060	1.227	0.955	0.996	1.019	13.54
18) T 1,1-Dichloroet...			0.538	0.545	0.557	0.464	0.456	0.512	9.40
19) T Isopropyl Alcohol			0.604	0.787	0.918	0.618	0.698	0.725	17.96
20) T Methylene Chlo...			0.543	0.553	0.534	0.377	0.389	0.479	18.43
21) T Allyl Chloride			0.836	0.822	0.885	0.718	0.722	0.797	9.27
22) T trans-1,2-Dich...			0.531	0.529	0.559	0.455	0.467	0.508	8.87
23) T Vinyl Acetate			1.278	1.224	1.477	1.229	1.301	1.302	7.92
24) T 1,1-Dichloroet...			1.176	1.241	1.259	0.986	0.981	1.129	12.03
25) T Ethyl Acetate			2.486	2.718	2.749	2.082	2.124	2.432	13.04
26) T Hexane			1.117	1.196	1.210	0.937	0.924	1.077	12.84
27) T Carbon Disulfide			1.269	1.381	1.476	1.204	1.221	1.310	8.83
28) T Methyl tert-Bu...			0.837	0.852	0.893	0.701	0.711	0.799	10.89
29) T Chloroform			1.769	1.864	1.813	1.409	1.452	1.661	12.89
30) T Cyclohexane			0.813	0.938	0.974	0.773	0.791	0.858	10.67
31) T cis-1,2-Dichlo...			1.025	1.121	1.146	0.930	0.940	1.032	9.67
32) T 1,1,1-Trichlor...	2.528	1.682	1.628	1.755	1.752	1.412	1.449	1.744	21.32

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.485	0.577	0.598	0.491	0.488	0.528	10.46
35) T Carbon Tetrach...	0.938	0.617	0.603	0.646	0.694	0.559	0.566	0.660	19.85
36) T Benzene			0.851	0.889	0.927	0.739	0.732	0.828	10.68
37) T 1,2-Dichloroet...			0.491	0.512	0.515	0.426	0.430	0.475	9.21
38) T Trichloroethene	0.569	0.356	0.320	0.359	0.355	0.283	0.281	0.361	27.12
39) T 1,2-Dichloropr...			0.335	0.336	0.362	0.283	0.284	0.320	10.90

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40) T	1,4-Dioxane			0.112	0.111	0.119	0.080	0.091	0.103	15.81
41) T	Tetrahydrofuran			0.333	0.329	0.360	0.308	0.304	0.327	6.90
42) T	Bromodichlorom...			0.666	0.702	0.740	0.603	0.611	0.664	8.86
43) T	Methyl Methacr...			0.279	0.326	0.352	0.297	0.301	0.311	9.06
44) T	2,2,4-Trimethy...			1.449	1.533	1.612	1.233	1.206	1.406	12.84
45) T	t-1,3-Dichloro...			0.154	0.190	0.222	0.203	0.215	0.197	13.73
46) T	cis-1,3-Dichlo...			0.241	0.264	0.302	0.256	0.260	0.265	8.63
47) T	1,1,2-Trichlor...			0.370	0.365	0.375	0.301	0.303	0.343	10.87
48) T	Dibromochlorom...			0.522	0.579	0.621	0.512	0.520	0.551	8.59
49) T	Bromoform			0.395	0.464	0.490	0.419	0.426	0.439	8.66
50) T	4-Methyl-2-Pen...			0.788	0.915	0.997	0.770	0.767	0.847	12.19
51) T	2-Hexanone			0.526	0.641	0.729	0.550	0.565	0.602	13.73
52) T	Tetrachloroethene	0.534	0.294	0.315	0.320	0.334	0.263	0.266	0.332	27.99
53) T	Toluene			0.900	0.977	1.064	0.867	0.859	0.933	9.28
54) T	1,2-Dibromoethane	0.397		0.395	0.467	0.481	0.399	0.408	0.425	9.13
-----ISTD-----										
55) I	Chlorobenzene-d5									
56) T	1,1,1,2-Tetrac...			0.484	0.505	0.490	0.387	0.384	0.450	13.19
57) T	Chlorobenzene			0.865	0.872	0.864	0.664	0.657	0.784	14.44
58) T	Ethyl Benzene			1.337	1.490	1.501	1.183	1.178	1.338	11.76
59) T	m/p-Xylene			1.198	1.292	1.295	1.019	0.986	1.158	12.77
60) T	o-Xylene			1.126	1.238	1.227	0.948	0.925	1.093	13.69
61) T	Styrene			0.470	0.564	0.592	0.514	0.513	0.531	9.05
62) T	Isopropylbenzene			1.795	1.913	1.879	1.440	1.409	1.687	14.45
63) T	1,1,2,2-Tetrac...	1.279	0.819	0.818	0.887	0.873	0.677	0.674	0.861	23.60
64) T	n-propylbenzene			0.465	0.484	0.493	0.384	0.377	0.440	12.73
65) T	tert-Butylbenzene			1.554	1.726	1.704	1.280	1.247	1.502	15.18
66) T	Benzyl Chloride			0.095	0.091	0.113	0.089	0.105	0.099	10.06
67) T	sec-Butylbenzene			2.220	2.397	2.426	1.816	1.763	2.125	14.89
68) S	1-Bromo-4-Fluo...	0.763	0.775	0.761	0.748	0.715	0.743	0.742	0.750	2.57
69) T	p-Isopropyltol...			1.776	1.972	2.015	1.523	1.488	1.755	13.97
70) T	n-Butylbenzene			1.792	1.980	2.052	1.587	1.556	1.794	12.48
71) T	2-Chlorotoluene			1.292	1.410	1.405	1.091	1.068	1.253	13.21
72) T	4-Ethyltoluene			1.312	1.409	1.473	1.149	1.165	1.302	11.05
73) T	1,3,5-Trimethy...			1.103	1.230	1.223	1.004	1.011	1.114	9.84
74) T	1,2,4-Trimethy...			1.270	1.393	1.410	1.115	1.089	1.255	12.00
75) T	1,3-Dichlorobe...			0.742	0.827	0.830	0.659	0.666	0.745	11.13
76) T	1,4-Dichlorobe...			0.784	0.808	0.809	0.652	0.657	0.742	10.84
77) T	1,2-Dichlorobe...			0.831	0.834	0.834	0.648	0.650	0.759	13.27
78) T	Hexachloro-1,3...			0.637	0.641	0.632	0.423	0.427	0.552	21.03
79) T	Naphthalene	0.434		0.518	0.713	0.785	0.793	0.808	0.675	23.68
80) T	Naphthalene,2-...			0.002	0.000	0.000	0.002	0.005	0.002#	96.17
81) T	1,2,4-Trichlor...			0.330	0.437	0.461	0.421	0.437	0.417	12.18

(#) = Out of Range