

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

Method File : VL111323AIR.M

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

Last Update : Mon Nov 13 15:42:46 2023

Response Via : Initial Calibration

Calibration Files

0.03=VL040840.D 0.1 =VL040839.D 0.5 =VL040838.D 1 =VL040837.D 2 =VL040836.D 10 =VL040835.D 15 =VL040841.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----									
1) I Bromochloromethane									
2) T Dichlorodifluo...			2.351	2.168	2.099	1.784	1.735	2.027	12.91
3) Chlorodifluoro...			1.838	1.711	1.654	1.410	1.370	1.597	12.54
4) Chloromethane			0.671	0.594	0.580	0.516	0.510	0.574	11.50
5) T Vinyl Chloride	0.594	0.475	0.650	0.605	0.615	0.533	0.525	0.571	10.81
6) T Bromomethane			0.251	0.213	0.231	0.198	0.196	0.218	10.66
7) Chloroethane			0.228	0.187	0.210	0.183	0.181	0.198	10.46
8) T Dichlorotetra...			1.664	1.541	1.538	1.305	1.270	1.464	11.57
9) T Propene			0.618	0.543	0.568	0.483	0.478	0.538	10.95
10) T Heptane			1.430	1.395	1.385	1.218	1.191	1.324	8.36
11) T Trichlorofluor...			1.760	1.645	1.612	1.399	1.373	1.558	10.70
12) T 1,1,2-Trichlor...			1.272	1.164	1.124	1.002	0.970	1.107	11.11
13) Ethanol			0.146	0.102	0.099	0.086	0.090	0.104	22.83
14) T Bromoethene			0.482	0.480	0.441	0.419	0.403	0.445	7.97
15) T Acetone			1.299	1.084	1.094	0.923	0.925	1.065	14.53
16) T 1,3-Butadiene			0.542	0.593	0.535	0.514	0.509	0.539	6.19
17) tert-Butyl alc...			1.068	0.962	0.893	0.793	0.837	0.911	11.89
18) T 1,1-Dichloroet...			0.558	0.534	0.498	0.440	0.436	0.493	11.08
19) T Isopropyl Alcohol			0.783	0.625	0.612	0.578	0.608	0.641	12.64
20) T Methylene Chlo...			0.593	0.457	0.438	0.353	0.357	0.440	22.19
21) T Allyl Chloride			0.723	0.686	0.726	0.641	0.633	0.682	6.43
22) T trans-1,2-Dich...			0.547	0.547	0.613	0.511	0.582	0.560	6.96
23) T Vinyl Acetate			1.263	1.348	1.494	1.385	1.386	1.375	6.06
24) T 1,1-Dichloroet...			1.132	1.313	1.349	1.169	1.165	1.226	8.01
25) T Ethyl Acetate			2.266	2.363	2.355	2.042	2.000	2.205	7.85
26) T Hexane			1.061	1.030	1.034	0.886	0.868	0.976	9.35
27) T Carbon Disulfide			1.331	1.264	1.263	1.170	1.160	1.238	5.81
28) T Methyl tert-Bu...			0.815	0.952	0.968	0.853	0.825	0.883	8.18
29) T Chloroform			1.824	1.751	1.722	1.506	1.468	1.654	9.52
30) T Cyclohexane			0.966	0.852	0.861	0.770	0.749	0.840	10.23
31) T cis-1,2-Dichlo...			0.844	1.055	1.052	0.946	0.931	0.966	9.24
32) T 1,1,1-Trichlor...	1.357	1.417	1.720	1.672	1.676	1.487	1.474	1.543	9.31
-----ISTD-----									
33) I 1,4-Difluorobenzene									
34) T 2-Butanone			0.423	0.538	0.561	0.512	0.514	0.509	10.31
35) T Carbon Tetrach...	0.549	0.533	0.607	0.671	0.685	0.620	0.630	0.614	9.28
36) T Benzene			0.843	0.851	0.871	0.753	0.741	0.812	7.40
37) T 1,2-Dichloroet...			0.471	0.509	0.497	0.456	0.460	0.479	4.86
38) T Trichloroethene	0.381	0.284	0.321	0.316	0.330	0.286	0.291	0.315	10.82
39) T 1,2-Dichloropr...			0.338	0.339	0.340	0.297	0.294	0.322	7.39

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40) T	1,4-Dioxane		0.139	0.134	0.137	0.109	0.119	0.128	10.27
41) T	Tetrahydrofuran		0.312	0.309	0.326	0.309	0.313	0.314	2.23
42) T	Bromodichlorom...		0.684	0.692	0.727	0.662	0.660	0.685	3.95
43) T	Methyl Methacr...		0.278	0.304	0.342	0.310	0.311	0.309	7.43
44) T	2,2,4-Trimethy...		1.390	1.424	1.464	1.247	1.215	1.348	8.19
45) T	t-1,3-Dichloro...		0.144	0.170	0.185	0.199	0.211	0.182	14.37
46) T	cis-1,3-Dichlo...		0.203	0.234	0.236	0.250	0.255	0.236	8.58
47) T	1,1,2-Trichlor...		0.340	0.369	0.351	0.313	0.314	0.337	7.14
48) T	Dibromochlorom...		0.523	0.563	0.593	0.560	0.559	0.559	4.41
49) T	Bromoform		0.367	0.405	0.455	0.436	0.441	0.421	8.40
50) T	4-Methyl-2-Pen...		0.757	0.766	0.855	0.781	0.782	0.788	4.94
51) T	2-Hexanone		0.523	0.494	0.602	0.579	0.581	0.556	8.17
52) T	Tetrachloroethene	0.279 0.253	0.283	0.287	0.295	0.259	0.256	0.273	6.18
53) T	Toluene		0.861	0.940	0.957	0.858	0.850	0.893	5.71
54) T	1,2-Dibromoethane	0.379	0.438	0.452	0.466	0.434	0.435	0.434	6.80
-----ISTD-----									
55) I	Chlorobenzene-d5								
56) T	1,1,1,2-Tetrac...		0.431	0.441	0.463	0.395	0.409	0.428	6.22
57) T	Chlorobenzene		0.776	0.797	0.796	0.663	0.674	0.741	9.09
58) T	Ethyl Benzene		1.348	1.401	1.405	1.176	1.194	1.305	8.56
59) T	m/p-Xylene		1.157	1.209	1.206	0.986	0.998	1.111	9.99
60) T	o-Xylene		1.106	1.160	1.146	0.930	0.946	1.058	10.50
61) T	Styrene		0.502	0.500	0.545	0.490	0.514	0.510	4.21
62) T	Isopropylbenzene		1.652	1.710	1.686	1.376	1.389	1.563	10.60
63) T	1,1,2,2-Tetrac...	0.789 0.704	0.792	0.790	0.820	0.672	0.680	0.750	8.25
64) T	n-propylbenzene		0.396	0.414	0.422	0.358	0.369	0.392	7.10
65) T	tert-Butylbenzene		1.317	1.416	1.473	1.178	1.205	1.318	9.74
66) T	Benzyl Chloride		0.053	0.042	0.048	0.048	0.052	0.049#	9.14
67) T	sec-Butylbenzene		1.889	2.094	2.088	1.662	1.678	1.882	11.20
68) S	1-Bromo-4-Fluo...	0.798 0.794	0.788	0.777	0.763	0.764	0.796	0.783	1.92
69) T	p-Isopropyltol...		1.453	1.661	1.673	1.346	1.371	1.501	10.45
70) T	n-Butylbenzene		1.587	1.722	1.772	1.408	1.435	1.585	10.36
71) T	2-Chlorotoluene		1.240	1.278	1.299	1.063	1.077	1.191	9.46
72) T	4-Ethyltoluene		1.135	1.250	1.251	1.080	1.097	1.163	7.08
73) T	1,3,5-Trimethy...		1.079	1.068	1.121	0.928	0.945	1.028	8.42
74) T	1,2,4-Trimethy...		1.211	1.250	1.246	1.005	1.026	1.148	10.62
75) T	1,3-Dichlorobe...		0.654	0.672	0.683	0.566	0.593	0.634	8.11
76) T	1,4-Dichlorobe...		0.590	0.640	0.662	0.560	0.581	0.607	7.04
77) T	1,2-Dichlorobe...		0.624	0.675	0.674	0.541	0.567	0.616	9.96
78) T	Hexachloro-1,3...		0.450	0.423	0.425	0.310	0.321	0.386	16.98
79) T	Naphthalene	0.262	0.542	0.644	0.730	0.646	0.714	0.590	29.44
80) T	Naphthalene,2-...		0.082	0.077	0.125	0.114	0.122	0.104	21.76
81) T	1,2,4-Trichlor...		0.343	0.351	0.398	0.341	0.360	0.359	6.44

(#) = Out of Range