

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

Method File : VL013020AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020

Last Update : Thu Jan 30 17:16:44 2020

Response Via : Initial Calibration

Calibration Files

0.03=VL034573.D 0.1 =VL034572.D 0.5 =VL034571.D 1 =VL034570.D 2 =VL034569.D 10 =VL034568.D 15 =VL034574.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			2.491	2.553	2.376	1.892	1.701	2.203	17.36
3) Chlorodifluoro...			1.340	1.319	1.285	1.076	1.022	1.208	12.24
4) Chloromethane			0.779	0.827	0.799	0.655	0.636	0.739	11.84
5) T Vinyl Chloride	0.845	0.741	0.700	0.702	0.734	0.620	0.601	0.706	11.54
6) T Bromomethane			0.410	0.390	0.381	0.336	0.320	0.367	10.28
7) Chloroethane			0.287	0.279	0.275	0.236	0.235	0.263	9.59
8) T Dichlorotetra...			1.918	1.961	1.868	1.479	1.383	1.722	15.67
9) T Propene			0.494	0.505	0.507	0.424	0.421	0.470	9.33
10) T Heptane			1.067	1.249	1.260	1.171	1.172	1.184	6.55
11) T Trichlorofluor...			2.242	2.228	2.155	1.758	1.621	2.001	14.51
12) T 1,1,2-Trichlor...			1.497	1.390	1.372	1.166	1.102	1.305	12.66
13) Ethanol			0.176	0.139	0.143	0.099	0.073	0.126	31.98
14) T Bromoethene			0.540	0.544	0.540	0.478	0.458	0.512	7.95
15) T Acetone			1.735	1.619	1.616	1.226	1.152	1.470	17.81
16) T 1,3-Butadiene			0.538	0.623	0.641	0.560	0.556	0.584	7.78
17) tert-Butyl alc...			1.325	1.253	1.044	1.033	0.749	1.081	20.84
18) T 1,1-Dichloroet...			0.583	0.584	0.585	0.511	0.492	0.551	8.30
19) T Isopropyl Alcohol			1.165	0.942	0.812	0.787	0.583	0.858	25.00
20) T Methylene Chlo...			0.673	0.629	0.600	0.456	0.441	0.560	18.78
21) T Allyl Chloride			0.944	0.970	0.964	0.858	0.828	0.913	7.16
22) T trans-1,2-Dich...			0.614	0.632	0.598	0.534	0.507	0.577	9.34
23) T Vinyl Acetate			1.682	1.682	1.834	1.611	1.576	1.677	5.92
24) T 1,1-Dichloroet...			1.487	1.525	1.507	1.267	1.213	1.400	10.57
25) T Ethyl Acetate			2.514	2.591	2.543	2.168	2.082	2.379	9.92
26) T Hexane			1.021	1.069	1.062	0.919	0.912	0.997	7.68
27) T Carbon Disulfide			1.253	1.382	1.427	1.353	1.309	1.345	4.95
28) T Methyl tert-Bu...			1.569	1.898	1.877	1.604	1.550	1.700	10.18
29) T Chloroform			1.881	1.941	1.899	1.582	1.508	1.762	11.41
30) T Cyclohexane			0.730	0.756	0.763	0.727	0.717	0.739	2.66
31) T cis-1,2-Dichlo...			0.984	1.111	1.101	0.998	0.982	1.035	6.26
32) T 1,1,1-Trichlor...	2.523	1.850	1.845	1.934	1.872	1.641	1.581	1.892	16.19

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.700	0.782	0.809	0.670	0.669	0.726	8.98
35) T Carbon Tetrach...	1.098	0.941	0.948	0.972	1.006	0.882	0.844	0.956	8.66
36) T Benzene			0.866	0.923	0.952	0.858	0.848	0.889	5.13
37) T 1,2-Dichloroet...			0.798	0.787	0.774	0.679	0.672	0.742	8.28
38) T Trichloroethene	0.383	0.335	0.365	0.399	0.402	0.373	0.367	0.375	6.07
39) T 1,2-Dichloropr...			0.377	0.390	0.384	0.347	0.345	0.369	5.77

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40)	T	1,4-Dioxane		0.156	0.156	0.149	0.134	0.112	0.142	13.17
41)	T	Tetrahydrofuran		0.350	0.400	0.399	0.368	0.377	0.379	5.64
42)	T	Bromodichlorom...		0.927	0.954	0.977	0.865	0.843	0.913	6.29
43)		Methyl Methacr...		0.325	0.347	0.380	0.361	0.374	0.358	6.13
44)	T	2,2,4-Trimethy...		1.550	1.727	1.783	1.526	1.482	1.613	8.24
45)	T	t-1,3-Dichloro...		0.383	0.420	0.479	0.524	0.535	0.468	14.05
46)	T	cis-1,3-Dichlo...		0.440	0.496	0.564	0.577	0.585	0.532	11.78
47)	T	1,1,2-Trichlor...		0.392	0.420	0.426	0.376	0.382	0.399	5.64
48)	T	Dibromochlorom...		0.689	0.741	0.760	0.739	0.729	0.732	3.57
49)	T	Bromoform		0.544	0.625	0.712	0.665	0.666	0.642	9.78
50)	T	4-Methyl-2-Pen...		0.974	1.077	1.112	1.010	1.004	1.035	5.53
51)	T	2-Hexanone		0.680	0.810	0.891	0.841	0.854	0.815	9.91
52)	T	Tetrachloroethene	0.436 0.334	0.338	0.349	0.370	0.333	0.341	0.357	10.37
53)	T	Toluene		0.828	0.982	1.079	1.002	0.994	0.977	9.39
54)	T	1,2-Dibromoethane		0.577	0.633	0.629	0.574	0.579	0.598	5.03
-----ISTD-----										
55)	I	Chlorobenzene-d5								
56)		1,1,1,2-Tetrac...		0.522	0.539	0.524	0.452	0.431	0.494	9.81
57)	T	Chlorobenzene		0.912	0.888	0.865	0.737	0.713	0.823	11.09
58)	T	Ethyl Benzene		1.255	1.451	1.477	1.286	1.221	1.338	8.78
59)	T	m/p-Xylene		1.200	1.302	1.294	1.098	1.021	1.183	10.38
60)	T	o-Xylene		1.172	1.281	1.332	1.104	1.052	1.188	9.90
61)	T	Styrene		0.685	0.810	0.868	0.811	0.785	0.792	8.47
62)		Isopropylbenzene		1.526	1.683	1.729	1.420	1.340	1.539	10.81
63)	T	1,1,2,2-Tetrac...	1.145 0.854	1.006	0.959	0.951	0.777	0.739	0.919	15.27
64)		n-propylbenzene		0.382	0.432	0.421	0.377	0.370	0.396	7.11
65)		tert-Butylbenzene		1.375	1.508	1.595	1.282	1.214	1.395	11.25
66)	T	Benzyl Chloride		0.486	0.563	0.606	0.638	0.630	0.585	10.69
67)		sec-Butylbenzene		1.946	2.106	2.190	1.730	1.612	1.917	12.75
68)	S	1-Bromo-4-Fluo...	0.852 0.866	0.874	0.861	0.822	0.825	0.816	0.845	2.81
69)		p-Isopropyltol...		1.457	1.710	1.807	1.458	1.349	1.556	12.39
70)		n-Butylbenzene		1.576	1.839	1.918	1.510	1.417	1.652	13.07
71)		2-Chlorotoluene		1.087	1.261	1.327	1.115	1.053	1.169	10.18
72)	T	4-Ethyltoluene		1.248	1.379	1.476	1.234	1.187	1.305	9.13
73)	T	1,3,5-Trimethy...		1.235	1.361	1.451	1.195	1.134	1.275	10.08
74)	T	1,2,4-Trimethy...		1.498	1.566	1.570	1.246	1.178	1.412	13.20
75)	T	1,3-Dichlorobe...		0.885	0.908	0.889	0.701	0.681	0.813	13.76
76)	T	1,4-Dichlorobe...		0.859	0.894	0.877	0.703	0.674	0.801	13.04
77)	T	1,2-Dichlorobe...		0.854	0.874	0.857	0.670	0.649	0.781	14.23
78)	T	Hexachloro-1,3...		0.824	0.865	0.827	0.616	0.602	0.747	17.01
79)	T	Naphthalene		0.961	1.215	1.284	1.055	1.042	1.111	12.02
80)	T	Naphthalene,2-...		0.286	0.384	0.439	0.497	0.531	0.428	22.64
81)	T	1,2,4-Trichlor...		0.624	0.739	0.799	0.634	0.630	0.685	11.61

(#) = Out of Range