

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

Method File : VL070820AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020

Last Update : Wed Jul 08 07:05:23 2020

Response Via : Initial Calibration

Calibration Files

0.03=VL035173.D 0.1 =VL035172.D 0.5 =VL035171.D 1 =VL035170.D 2 =VL035169.D 10 =VL035168.D 15 =VL035174.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.874	1.677	1.318	1.182	0.956	1.401	26.52
3) Chlorodifluoro...			1.231	1.246	1.173	0.942	0.931	1.105	14.12
4) Chloromethane			0.694	0.671	0.672	0.531	0.545	0.623	12.54
5) T Vinyl Chloride	0.863	0.737	0.676	0.644	0.644	0.543	0.550	0.665	16.63
6) T Bromomethane			0.405	0.394	0.401	0.345	0.342	0.378	8.27
7) Chloroethane			0.267	0.254	0.235	0.209	0.210	0.235	11.06
8) T Dichlorotetra...			1.855	1.712	1.608	1.285	1.221	1.536	17.84
9) T Propene			0.405	0.453	0.454	0.385	0.390	0.417	8.13
10) T Heptane			0.979	1.056	1.132	1.077	1.115	1.072	5.59
11) T Trichlorofluor...			1.832	1.736	1.672	1.367	1.306	1.583	14.72
12) T 1,1,2-Trichlor...			1.297	1.207	1.157	0.965	0.931	1.111	14.21
13) Ethanol			0.169	0.171	0.145	0.082	0.099	0.133	30.67
14) T Bromoethene			0.479	0.489	0.474	0.419	0.426	0.457	7.09
15) T Acetone			1.716	1.570	1.451	1.024	1.008	1.354	23.84
16) T 1,3-Butadiene			0.538	0.513	0.556	0.490	0.501	0.520	5.20
17) tert-Butyl alc...			1.286	1.294	1.205	1.075	1.130	1.198	8.00
18) T 1,1-Dichloroet...			0.540	0.520	0.519	0.448	0.434	0.492	9.68
19) T Isopropyl Alcohol			0.935	0.883	0.804	0.694	0.767	0.817	11.64
20) T Methylene Chlo...			0.786	0.710	0.670	0.394	0.386	0.589	31.67
21) T Allyl Chloride			0.872	0.810	0.820	0.713	0.725	0.788	8.56
22) T trans-1,2-Dich...			0.557	0.526	0.499	0.445	0.431	0.491	10.87
23) T Vinyl Acetate			1.308	1.612	1.576	1.397	1.433	1.465	8.64
24) T 1,1-Dichloroet...			1.386	1.368	1.316	1.116	1.107	1.259	10.89
25) T Ethyl Acetate			2.156	2.264	2.248	1.910	1.926	2.101	8.17
26) T Hexane			0.942	0.981	1.001	0.854	0.852	0.926	7.55
27) T Carbon Disulfide			1.363	1.373	1.360	1.206	1.166	1.294	7.69
28) T Methyl tert-Bu...			1.383	1.492	1.528	1.327	1.326	1.411	6.66
29) T Chloroform			1.708	1.697	1.646	1.363	1.351	1.553	11.62
30) T Cyclohexane			0.614	0.630	0.726	0.723	0.734	0.685	8.54
31) T cis-1,2-Dichlo...			0.839	0.910	0.914	0.851	0.867	0.876	3.90
32) T 1,1,1-Trichlor...	1.845	1.770	1.505	1.550	1.539	1.356	1.331	1.556	12.38

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.505	0.562	0.592	0.495	0.515	0.534	7.75
35) T Carbon Tetrach...	0.712	0.695	0.664	0.631	0.667	0.590	0.584	0.649	7.64
36) T Benzene			0.670	0.746	0.783	0.704	0.716	0.724	5.89
37) T 1,2-Dichloroet...			0.518	0.516	0.504	0.443	0.447	0.486	7.67
38) T Trichloroethene	0.321	0.294	0.265	0.287	0.326	0.287	0.285	0.295	7.27
39) T 1,2-Dichloropr...			0.276	0.294	0.314	0.272	0.283	0.288	5.83

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40)	T	1,4-Dioxane			0.112	0.120	0.114	0.112	0.114	0.115	2.66
41)	T	Tetrahydrofuran			0.222	0.251	0.305	0.275	0.283	0.267	11.97
42)	T	Bromodichlorom...			0.645	0.655	0.703	0.621	0.619	0.649	5.27
43)		Methyl Methacr...			0.236	0.295	0.333	0.324	0.342	0.306	14.08
44)	T	2,2,4-Trimethy...			1.117	1.312	1.381	1.217	1.219	1.249	8.10
45)	T	t-1,3-Dichloro...			0.240	0.286	0.324	0.366	0.390	0.321	18.77
46)	T	cis-1,3-Dichlo...			0.290	0.332	0.408	0.427	0.448	0.381	17.64
47)	T	1,1,2-Trichlor...			0.307	0.322	0.336	0.302	0.309	0.315	4.33
48)	T	Dibromochlorom...			0.451	0.514	0.552	0.520	0.526	0.513	7.26
49)	T	Bromoform			0.399	0.445	0.472	0.460	0.467	0.448	6.60
50)	T	4-Methyl-2-Pen...			0.625	0.790	0.843	0.776	0.795	0.766	10.82
51)	T	2-Hexanone			0.433	0.543	0.665	0.624	0.656	0.584	16.70
52)	T	Tetrachloroethene	0.273	0.312	0.253	0.254	0.281	0.255	0.263	0.270	7.87
53)	T	Toluene			0.572	0.741	0.838	0.831	0.837	0.764	15.05
54)	T	1,2-Dibromoethane			0.427	0.477	0.500	0.462	0.473	0.468	5.72
-----ISTD-----											
55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.475	0.487	0.472	0.400	0.381	0.443	11.01
57)	T	Chlorobenzene			0.833	0.785	0.789	0.651	0.628	0.737	12.45
58)	T	Ethyl Benzene			0.926	1.133	1.228	1.143	1.096	1.105	10.05
59)	T	m/p-Xylene			0.903	1.073	1.094	0.953	0.902	0.985	9.40
60)	T	o-Xylene			0.903	1.028	1.108	0.959	0.916	0.983	8.68
61)	T	Styrene			0.441	0.558	0.683	0.681	0.673	0.607	17.55
62)		Isopropylbenzene			1.367	1.540	1.641	1.401	1.335	1.457	8.86
63)	T	1,1,2,2-Tetrac...	1.045	0.878	0.839	0.828	0.818	0.682	0.659	0.821	15.68
64)		n-propylbenzene			0.346	0.378	0.415	0.375	0.369	0.376	6.65
65)		tert-Butylbenzene			1.211	1.393	1.499	1.254	1.185	1.308	10.20
66)	T	Benzyl Chloride			0.396	0.429	0.488	0.508	0.509	0.466	10.93
67)		sec-Butylbenzene			1.776	2.102	2.187	1.801	1.671	1.907	11.73
68)	S	1-Bromo-4-Fluo...	0.845	0.847	0.836	0.816	0.791	0.783	0.767	0.812	3.97
69)		p-Isopropyltol...			1.311	1.538	1.742	1.479	1.405	1.495	10.85
70)		n-Butylbenzene			1.369	1.703	1.834	1.549	1.471	1.585	11.68
71)		2-Chlorotoluene			0.992	1.122	1.253	1.095	1.051	1.102	8.83
72)	T	4-Ethyltoluene			0.917	1.149	1.253	1.131	1.087	1.107	11.07
73)	T	1,3,5-Trimethy...			0.936	1.119	1.195	1.066	1.024	1.068	9.14
74)	T	1,2,4-Trimethy...			1.167	1.271	1.309	1.111	1.043	1.180	9.33
75)	T	1,3-Dichlorobe...			0.878	0.813	0.794	0.636	0.616	0.747	15.46
76)	T	1,4-Dichlorobe...			0.733	0.724	0.746	0.646	0.623	0.695	8.05
77)	T	1,2-Dichlorobe...			0.694	0.731	0.728	0.614	0.597	0.673	9.39
78)	T	Hexachloro-1,3...			0.621	0.600	0.565	0.449	0.424	0.532	16.87
79)	T	Naphthalene			0.523	0.650	0.788	0.926	0.932	0.764	23.28
80)	T	Naphthalene,2-...			0.042	0.056	0.091	0.346	0.366	0.180	89.57
81)	T	1,2,4-Trichlor...			0.431	0.458	0.507	0.513	0.510	0.484	7.70

(#) = Out of Range