

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

Method File : VL062922AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 06 02:15:38 2022

Last Update : Wed Jul 06 02:15:38 2022

Response Via : Initial Calibration

Calibration Files

0.03=VL039399.D 0.1 =VL039398.D 0.5 =VL039397.D 1 =VL039396.D 2 =VL039395.D 10 =VL039394.D 15 =VL039400.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.880	1.687	1.381	1.217	1.047	1.442	23.55
3) Chlorodifluoro...			1.411	1.378	1.339	1.120	1.097	1.269	11.74
4) Chloromethane			0.782	0.705	0.757	0.627	0.598	0.694	11.51
5) T Vinyl Chloride	0.800	0.766	0.708	0.669	0.703	0.575	0.568	0.684	12.88
6) T Bromomethane			0.320	0.285	0.297	0.264	0.273	0.288	7.60
7) Chloroethane			0.264	0.265	0.246	0.222	0.220	0.243	8.97
8) T Dichlorotetra...			1.739	1.670	1.716	1.421	1.332	1.576	11.82
9) T Propene			0.614	0.634	0.628	0.497	0.492	0.573	12.60
10) T Heptane			1.272	1.417	1.431	1.301	1.289	1.342	5.62
11) T Trichlorofluor...			1.834	1.622	1.702	1.447	1.432	1.607	10.64
12) T 1,1,2-Trichlor...			1.333	1.264	1.246	1.088	1.061	1.198	9.85
13) Ethanol			0.037	0.039	0.032	0.029	0.029	0.033#	13.32
14) T Bromoethene			0.561	0.509	0.530	0.465	0.455	0.504	8.81
15) T Acetone			1.191	1.313	1.281	1.071	1.059	1.183	9.87
16) T 1,3-Butadiene			0.604	0.668	0.667	0.572	0.559	0.614	8.44
17) tert-Butyl alc...			0.954	1.055	1.110	1.014	0.888	1.004	8.59
18) T 1,1-Dichloroet...			0.626	0.548	0.553	0.498	0.488	0.543	10.15
19) T Isopropyl Alcohol			0.748	0.622	0.655	0.600	0.529	0.631	12.68
20) T Methylene Chlo...			0.535	0.486	0.532	0.405	0.401	0.472	13.93
21) T Allyl Chloride			0.859	0.853	0.874	0.753	0.757	0.819	7.20
22) T trans-1,2-Dich...			0.548	0.512	0.567	0.507	0.494	0.525	5.85
23) T Vinyl Acetate			0.742	0.734	0.881	0.759	0.836	0.791	8.19
24) T 1,1-Dichloroet...			1.227	1.203	1.118	1.000	1.035	1.117	8.96
25) T Ethyl Acetate			2.497	2.336	2.712	2.291	2.293	2.426	7.46
26) T Hexane			1.132	0.650	1.143	0.979	0.985	0.978	20.34
27) T Carbon Disulfide			1.168	1.122	1.234	1.172	1.206	1.180	3.60
28) T Methyl tert-Bu...			1.170	1.156	1.017	0.897	0.989	1.046	11.10
29) T Chloroform			1.761	1.827	1.816	1.563	1.535	1.700	8.30
30) T Cyclohexane			0.950	0.870	0.947	0.851	0.833	0.890	6.15
31) T cis-1,2-Dichlo...			1.062	1.076	1.093	0.979	0.978	1.038	5.29
32) T 1,1,1-Trichlor...	1.955	1.536	1.698	1.680	1.748	1.569	1.563	1.678	8.69

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.517	0.471	0.537	0.495	0.497	0.503	4.97
35) T Carbon Tetrach...	0.637	0.597	0.631	0.615	0.638	0.603	0.604	0.618	2.80
36) T Benzene			0.782	0.793	0.837	0.734	0.725	0.774	5.91
37) T 1,2-Dichloroet...			0.476	0.495	0.460	0.428	0.425	0.457	6.66
38) T Trichloroethene	0.459	0.388	0.427	0.449	0.429	0.391	0.386	0.419	7.26
39) T 1,2-Dichloropr...			0.292	0.303	0.304	0.275	0.271	0.289	5.30

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40)	T	1,4-Dioxane		0.110	0.130	0.115	0.113	0.108	0.115	7.45
41)	T	Tetrahydrofuran		0.280	0.288	0.310	0.289	0.292	0.292	3.80
42)	T	Bromodichlorom...		0.604	0.612	0.646	0.604	0.614	0.616	2.80
43)		Methyl Methacr...		0.271	0.290	0.309	0.299	0.302	0.294	5.04
44)	T	2,2,4-Trimethy...		1.301	1.406	1.420	1.235	1.195	1.312	7.64
45)	T	t-1,3-Dichloro...		0.218	0.200	0.250	0.313	0.329	0.262	21.84
46)	T	cis-1,3-Dichlo...		0.304	0.308	0.372	0.405	0.415	0.361	14.47
47)	T	1,1,2-Trichlor...		0.319	0.343	0.346	0.310	0.304	0.324	5.89
48)	T	Dibromochlorom...		0.434	0.498	0.546	0.545	0.555	0.516	9.80
49)	T	Bromoform		0.343	0.369	0.436	0.459	0.473	0.416	13.72
50)	T	4-Methyl-2-Pen...		0.711	0.718	0.831	0.772	0.773	0.761	6.42
51)	T	2-Hexanone		0.478	0.564	0.606	0.612	0.618	0.576	10.22
52)	T	Tetrachloroethene	0.360 0.316	0.298	0.314	0.316	0.289	0.288	0.312	7.97
53)	T	Toluene		0.836	0.896	0.962	0.892	0.877	0.893	5.08
54)	T	1,2-Dibromoethane	0.360	0.385	0.423	0.425	0.417	0.412	0.404	6.36
-----ISTD-----										
55)	I	Chlorobenzene-d5								
56)		1,1,1,2-Tetrac...		0.456	0.463	0.461	0.419	0.411	0.442	5.67
57)	T	Chlorobenzene		0.804	0.837	0.813	0.721	0.701	0.775	7.81
58)	T	Ethyl Benzene		1.229	1.357	1.388	1.268	1.214	1.291	6.01
59)	T	m/p-Xylene		1.124	1.214	1.217	1.092	1.044	1.138	6.68
60)	T	o-Xylene		1.032	1.160	1.150	1.045	1.004	1.078	6.65
61)	T	Styrene		0.489	0.553	0.620	0.631	0.627	0.584	10.61
62)		Isopropylbenzene		1.634	1.791	1.775	1.539	1.470	1.642	8.63
63)	T	1,1,2,2-Tetrac...	0.794 0.536	0.555	0.544	0.560	0.489	0.478	0.565	18.73
64)		n-propylbenzene		0.397	0.433	0.442	0.408	0.401	0.416	4.84
65)		tert-Butylbenzene		1.516	1.672	1.645	1.411	1.340	1.517	9.49
66)	T	Benzyl Chloride		0.108	0.121	0.115	0.179	0.198	0.144	28.75
67)		sec-Butylbenzene		1.965	2.227	2.262	1.940	1.821	2.043	9.40
68)	S	1-Bromo-4-Fluo...	0.745 0.734	0.740	0.741	0.717	0.752	0.764	0.742	1.96
69)		p-Isopropyltol...		1.687	1.823	1.904	1.673	1.581	1.734	7.41
70)		n-Butylbenzene		1.589	1.762	1.845	1.646	1.572	1.683	6.98
71)		2-Chlorotoluene		1.092	1.275	1.267	1.135	1.105	1.175	7.59
72)	T	4-Ethyltoluene		1.157	1.298	1.400	1.253	1.230	1.267	7.09
73)	T	1,3,5-Trimethy...		1.106	1.191	1.276	1.147	1.100	1.164	6.25
74)	T	1,2,4-Trimethy...		1.221	1.373	1.418	1.245	1.182	1.288	7.94
75)	T	1,3-Dichlorobe...		0.759	0.779	0.826	0.747	0.730	0.768	4.79
76)	T	1,4-Dichlorobe...		0.772	0.821	0.767	0.719	0.727	0.761	5.35
77)	T	1,2-Dichlorobe...		0.781	0.794	0.790	0.731	0.711	0.761	4.99
78)	T	Hexachloro-1,3...		0.686	0.678	0.666	0.521	0.512	0.612	14.39
79)	T	Naphthalene	0.481	0.770	0.893	1.088	1.030	1.055	0.886	26.11
80)	T	Naphthalene,2-...		0.154	0.237	0.353	0.360	0.404	0.302	34.06
81)	T	1,2,4-Trichlor...		0.516	0.577	0.616	0.583	0.594	0.577	6.48

(#) = Out of Range