

Method Path : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\

Method File : VL072718AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Jul 27 07:05:37 2018

Last Update : Fri Jul 27 07:05:37 2018

Response Via : Initial Calibration

Calibration Files

0.03=VL032314.D 0.1 =VL032313.D 0.5 =VL032312.D 1 =VL032311.D 2 =VL032310.D 10 =VL032309.D 15 =VL032315.D

	Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
1) I	Bromochloromethane	-----ISTD-----								
2) T	Dichlorodifluo...		1.605	1.169	1.560	0.914	0.783	1.206	30.78	
3)	Chlorodifluoro...		1.044	1.031	1.002	0.997	0.924	1.000	4.66	
4)	Chloromethane		0.595	0.621	0.612	0.619	0.581	0.605	2.84	
5) T	Vinyl Chloride	0.501 0.547	0.572	0.555	0.563	0.577	0.538	0.550	4.66	
6) T	Bromomethane		0.311	0.297	0.311	0.305	0.286	0.302	3.46	
7)	Chloroethane		0.197	0.193	0.200	0.200	0.189	0.196	2.43	
8) T	Dichlorotetra...		1.319	1.289	1.271	1.164	1.048	1.218	9.15	
9) T	Propene		0.403	0.441	0.455	0.483	0.466	0.450	6.73	
10) T	Heptane		1.290	1.574	1.690	1.728	1.609	1.578	10.92	
11) T	Trichlorofluor...		1.218	1.209	1.170	1.141	1.023	1.152	6.83	
12) T	1,1,2-Trichlor...		0.806	0.836	0.818	0.755	0.718	0.787	6.19	
13)	Ethanol		0.168	0.156	0.112	0.121	0.089	0.129	25.13	
14) T	Bromoethene		0.346	0.338	0.356	0.356	0.330	0.345	3.25	
15) T	Acetone		0.993	1.008	0.999	0.883	0.830	0.942	8.57	
16) T	1,3-Butadiene		0.475	0.473	0.540	0.491	0.465	0.489	6.23	
17)	tert-Butyl alc...		0.307	0.312	0.276	0.325	0.278	0.300	7.24	
18) T	1,1-Dichloroet...		0.356	0.368	0.376	0.371	0.355	0.365	2.61	
19) T	Isopropyl Alcohol		0.643	0.705	0.547	0.706	0.544	0.629	12.79	
20) T	Methylene Chlo...		0.434	0.395	0.382	0.352	0.331	0.379	10.51	
21) T	Allyl Chloride		0.591	0.648	0.638	0.683	0.654	0.643	5.21	
22) T	trans-1,2-Dich...		0.341	0.351	0.353	0.379	0.335	0.352	4.81	
23) T	Vinyl Acetate		1.642	1.586	1.709	1.809	1.707	1.691	4.95	
24) T	1,1-Dichloroet...		1.248	1.230	1.268	1.212	1.107	1.213	5.19	
25) T	Ethyl Acetate		2.125	2.187	2.209	2.101	1.953	2.115	4.77	
26) T	Hexane		0.931	0.997	1.015	0.951	0.891	0.957	5.23	
27) T	Carbon Disulfide		0.778	0.822	0.884	0.958	0.908	0.870	8.14	
28) T	Methyl tert-Bu...		1.112	1.263	1.380	1.413	1.303	1.294	9.12	
29) T	Chloroform		1.464	1.407	1.429	1.377	1.284	1.392	4.91	
30) T	Cyclohexane		0.728	0.666	0.785	0.810	0.745	0.747	7.42	
31) T	cis-1,2-Dichlo...		0.777	0.844	0.922	0.975	0.919	0.887	8.72	
32) T	1,1,1-Trichlor...	1.046 1.104	1.241	1.316	1.324	1.344	1.250	1.232	9.34	
33) I	1,4-Difluorobenzene	-----ISTD-----								
34) T	2-Butanone		0.514	0.671	0.711	0.681	0.659	0.647	11.88	
35) T	Carbon Tetrach...	0.538 0.480	0.494	0.630	0.641	0.619	0.573	0.568	11.60	
36) T	Benzene		0.692	0.938	0.970	0.946	0.861	0.881	12.87	
37) T	1,2-Dichloroet...		0.439	0.542	0.553	0.517	0.495	0.509	8.84	

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38)	T	Trichloroethene	0.306	0.275	0.299	0.378	0.404	0.374	0.349	0.341	14.12
39)	T	1,2-Dichloropr...			0.372	0.461	0.484	0.458	0.442	0.443	9.58
40)	T	1,4-Dioxane			0.121	0.161	0.116	0.143	0.110	0.130	16.25
41)	T	Tetrahydrofuran			0.261	0.354	0.402	0.408	0.406	0.366	17.17
42)	T	Bromodichlorom...			0.669	0.873	0.897	0.864	0.821	0.825	11.08
43)		Methyl Methacr...			0.290	0.421	0.457	0.478	0.469	0.423	18.30
44)	T	2,2,4-Trimethy...			1.521	2.068	2.212	1.963	1.794	1.911	13.94
45)	T	t-1,3-Dichloro...			0.311	0.445	0.512	0.594	0.590	0.490	24.05
46)	T	cis-1,3-Dichlo...			0.410	0.570	0.639	0.702	0.684	0.601	19.65
47)	T	1,1,2-Trichlor...			0.375	0.452	0.473	0.436	0.420	0.431	8.63
48)	T	Dibromochlorom...			0.504	0.647	0.696	0.674	0.655	0.635	11.90
49)	T	Bromoform			0.401	0.534	0.584	0.562	0.535	0.523	13.69
50)	T	4-Methyl-2-Pen...			0.851	1.183	1.284	1.221	1.171	1.142	14.77
51)	T	2-Hexanone			0.578	0.842	0.973	0.985	0.973	0.870	19.97
52)	T	Tetrachloroethene	0.245	0.252	0.250	0.339	0.354	0.331	0.308	0.297	15.74
53)	T	Toluene			0.757	1.087	1.229	1.208	0.988	1.054	18.26
54)	T	1,2-Dibromoethane			0.495	0.624	0.666	0.649	0.628	0.613	11.10
55)	I	Chlorobenzene-d5	-----ISTD-----								
56)		1,1,1,2-Tetrac...			0.429	0.443	0.437	0.383	0.370	0.412	8.13
57)	T	Chlorobenzene			0.835	0.843	0.821	0.704	0.685	0.778	9.82
58)	T	Ethyl Benzene			1.043	1.280	1.379	1.297	1.269	1.254	10.00
59)	T	m/p-Xylene			0.972	1.154	1.161	1.044	1.006	1.067	8.09
60)	T	o-Xylene			0.960	1.111	1.172	1.009	0.980	1.046	8.70
61)	T	Styrene			0.570	0.768	0.853	0.828	0.832	0.770	15.11
62)		Isopropylbenzene			1.379	1.599	1.625	1.439	1.392	1.487	7.85
63)	T	1,1,2,2-Tetrac...	0.853	0.845	0.896	0.955	0.920	0.758	0.736	0.852	9.53
64)		n-propylbenzene			0.354	0.410	0.418	0.377	0.376	0.387	6.85
65)		tert-Butylbenzene			1.169	1.391	1.419	1.176	1.126	1.256	10.96
66)	T	Benzyl Chloride			0.582	0.693	0.797	0.838	0.833	0.749	14.67
67)		sec-Butylbenzene			1.762	2.077	2.111	1.764	1.691	1.881	10.46
68)	S	1-Bromo-4-Fluo...	0.786	0.790	0.790	0.789	0.761	0.729	0.790	0.776	3.03
69)		p-Isopropyltol...			1.273	1.590	1.657	1.406	1.361	1.457	11.04
70)		n-Butylbenzene			1.548	1.838	1.909	1.589	1.528	1.683	10.55
71)		2-Chlorotoluene			1.050	1.221	1.283	1.149	1.131	1.167	7.61
72)	T	4-Ethyltoluene			0.974	1.204	1.302	1.204	1.181	1.173	10.31
73)	T	1,3,5-Trimethy...			1.019	1.225	1.278	1.134	1.115	1.154	8.72
74)	T	1,2,4-Trimethy...			1.186	1.349	1.364	1.115	1.071	1.217	10.98
75)	T	1,3-Dichlorobe...			0.754	0.778	0.764	0.625	0.603	0.705	11.87
76)	T	1,4-Dichlorobe...			0.664	0.718	0.727	0.638	0.634	0.676	6.55
77)	T	1,2-Dichlorobe...			0.694	0.765	0.746	0.628	0.628	0.693	9.26
78)	T	Hexachloro-1,3...			0.277	0.295	0.248	0.201	0.196	0.244	18.26
79)	T	Naphthalene			0.822	1.069	1.208	1.087	1.096	1.056	13.44
80)	T	Naphthalene,2-...			0.192	0.331	0.478	0.535	0.554	0.418	36.73
81)	T	1,2,4-Trichlor...			0.441	0.557	0.603	0.520	0.517	0.528	11.32

 (#) = Out of Range