

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

Method File : VL060719AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019

Last Update : Fri Jun 07 08:53:27 2019

Response Via : Initial Calibration

Calibration Files

0.03=VL033879.D 0.1 =VL033878.D 0.5 =VL033877.D 1 =VL033876.D 2 =VL033875.D 10 =VL033874.D 15 =VL033880.D

Compound		0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----								
2) T	Dichlorodifluo...			2.057	1.938	1.519	1.370	1.229	1.623	22.18
3)	Chlorodifluoro...			1.279	1.243	1.191	1.115	1.059	1.177	7.68
4)	Chloromethane			0.704	0.706	0.700	0.645	0.602	0.671	6.92
5) T	Vinyl Chloride	0.597	0.536	0.652	0.659	0.664	0.641	0.613	0.623	7.36
6) T	Bromomethane			0.429	0.411	0.417	0.415	0.398	0.414	2.64
7)	Chloroethane			0.257	0.257	0.247	0.242	0.230	0.246	4.68
8) T	Dichlorotetra...			1.824	1.776	1.783	1.708	1.580	1.734	5.51
9) T	Propene			0.433	0.427	0.453	0.450	0.439	0.440	2.54
10) T	Heptane			0.873	1.030	1.110	1.249	1.305	1.113	15.56
11) T	Trichlorofluor...			2.182	2.154	2.110	2.051	1.972	2.094	4.02
12) T	1,1,2-Trichlor...			1.522	1.392	1.438	1.398	1.326	1.415	5.07
13)	Ethanol			0.183	0.180	0.170	0.110	0.075	0.143	33.87
14) T	Bromoethene			0.507	0.508	0.535	0.554	0.533	0.527	3.79
15) T	Acetone			1.677	1.574	1.575	1.246	1.221	1.458	14.40
16) T	1,3-Butadiene			0.550	0.518	0.578	0.572	0.558	0.555	4.19
17)	tert-Butyl alc...			1.265	1.154	1.079	1.318	0.885	1.140	14.96
18) T	1,1-Dichloroet...			0.615	0.571	0.603	0.612	0.587	0.598	3.07
19) T	Isopropyl Alcohol			0.944	0.832	0.794	0.950	0.646	0.833	14.99
20) T	Methylene Chlo...			0.679	0.577	0.575	0.514	0.498	0.569	12.48
21) T	Allyl Chloride			0.789	0.789	0.841	0.872	0.852	0.828	4.56
22) T	trans-1,2-Dich...			0.648	0.617	0.633	0.645	0.607	0.630	2.80
23) T	Vinyl Acetate			1.428	1.640	1.781	1.832	1.795	1.695	9.80
24) T	1,1-Dichloroet...			1.318	1.318	1.357	1.322	1.277	1.319	2.14
25) T	Ethyl Acetate			2.140	2.209	2.287	2.252	2.218	2.221	2.47
26) T	Hexane			0.975	1.027	1.102	0.985	0.968	1.011	5.48
27) T	Carbon Disulfide			1.295	1.274	1.408	1.543	1.505	1.405	8.58
28) T	Methyl tert-Bu...			1.223	1.403	1.611	1.757	1.652	1.529	14.01
29) T	Chloroform			1.765	1.710	1.763	1.727	1.696	1.732	1.79
30) T	Cyclohexane			0.572	0.619	0.705	0.828	0.848	0.715	17.16
31) T	cis-1,2-Dichlo...			0.733	0.796	0.901	1.008	0.995	0.887	13.61
32) T	1,1,1-Trichlor...	1.430	1.489	1.692	1.674	1.739	1.836	1.835	1.671	9.47

33) I	1,4-Difluorobenzene	-----ISTD-----								
34) T	2-Butanone			0.486	0.539	0.588	0.615	0.593	0.564	9.15
35) T	Carbon Tetrach...	0.684	0.755	0.753	0.768	0.787	0.834	0.827	0.773	6.59
36) T	Benzene			0.630	0.714	0.774	0.852	0.849	0.764	12.32
37) T	1,2-Dichloroet...			0.545	0.547	0.571	0.590	0.573	0.565	3.40
38) T	Trichloroethene	0.212	0.232	0.271	0.296	0.327	0.373	0.370	0.297	21.32
39) T	1,2-Dichloropr...			0.272	0.261	0.296	0.324	0.322	0.295	9.57

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40)	T	1,4-Dioxane			0.117	0.119	0.109	0.143	0.113	0.120	11.25
41)	T	Tetrahydrofuran			0.210	0.265	0.290	0.336	0.330	0.286	18.04
42)	T	Bromodichlorom...			0.679	0.713	0.753	0.815	0.815	0.755	8.02
43)		Methyl Methacr...			0.200	0.241	0.282	0.350	0.356	0.286	23.81
44)	T	2,2,4-Trimethy...			1.133	1.324	1.392	1.481	1.463	1.358	10.36
45)	T	t-1,3-Dichloro...			0.244	0.292	0.345	0.490	0.503	0.375	31.17
46)	T	cis-1,3-Dichlo...			0.290	0.343	0.410	0.548	0.556	0.429	27.94
47)	T	1,1,2-Trichlor...			0.325	0.334	0.345	0.378	0.376	0.351	6.92
48)	T	Dibromochlorom...			0.512	0.570	0.622	0.725	0.729	0.632	15.08
49)	T	Bromoform			0.423	0.487	0.540	0.659	0.678	0.558	19.71
50)	T	4-Methyl-2-Pen...			0.642	0.777	0.866	0.957	0.964	0.841	16.02
51)	T	2-Hexanone			0.435	0.561	0.689	0.794	0.805	0.657	24.10
52)	T	Tetrachloroethene	0.183	0.195	0.246	0.268	0.291	0.346	0.352	0.269	24.83
53)	T	Toluene			0.563	0.711	0.854	1.048	1.050	0.845	25.17
54)	T	1,2-Dibromoethane			0.444	0.476	0.523	0.600	0.606	0.530	13.67

55)	I	Chlorobenzene-d5			-----ISTD-----						
56)		1,1,1,2-Tetrac...			0.444	0.436	0.443	0.444	0.417	0.437	2.65
57)	T	Chlorobenzene			0.762	0.728	0.766	0.767	0.722	0.749	2.91
58)	T	Ethyl Benzene			0.783	1.036	1.203	1.341	1.273	1.127	19.82
59)	T	m/p-Xylene			0.813	0.997	1.090	1.147	1.080	1.025	12.72
60)	T	o-Xylene			0.854	1.002	1.134	1.198	1.104	1.059	12.69
61)	T	Styrene			0.423	0.586	0.723	0.863	0.830	0.685	26.56
62)		Isopropylbenzene			1.198	1.376	1.488	1.601	1.471	1.427	10.55
63)	T	1,1,2,2-Tetrac...	0.731	0.722	0.839	0.810	0.845	0.845	0.786	0.797	6.61
64)		n-propylbenzene			0.278	0.353	0.394	0.413	0.388	0.365	14.62
65)		tert-Butylbenzene			1.020	1.264	1.434	1.485	1.398	1.320	14.13
66)	T	Benzyl Chloride			0.515	0.553	0.619	0.836	0.823	0.669	22.56
67)		sec-Butylbenzene			1.441	1.804	2.002	2.074	1.939	1.852	13.52
68)	S	1-Bromo-4-Fluo...	0.821	0.846	0.858	0.848	0.823	0.798	0.754	0.821	4.40
69)		p-Isopropyltol...			1.152	1.445	1.674	1.769	1.664	1.541	16.08
70)		n-Butylbenzene			1.343	1.618	1.849	1.874	1.754	1.688	12.86
71)		2-Chlorotoluene			0.769	0.983	1.148	1.213	1.141	1.051	17.02
72)	T	4-Ethyltoluene			0.860	1.101	1.303	1.421	1.338	1.205	18.76
73)	T	1,3,5-Trimethy...			0.920	1.108	1.272	1.356	1.277	1.187	14.68
74)	T	1,2,4-Trimethy...			1.204	1.343	1.467	1.461	1.363	1.368	7.86
75)	T	1,3-Dichlorobe...			0.872	0.854	0.883	0.860	0.813	0.856	3.11
76)	T	1,4-Dichlorobe...			0.683	0.768	0.825	0.848	0.808	0.786	8.25
77)	T	1,2-Dichlorobe...			0.736	0.779	0.811	0.833	0.792	0.790	4.64
78)	T	Hexachloro-1,3...			0.686	0.661	0.685	0.545	0.509	0.617	13.60
79)	T	Naphthalene			0.737	0.966	1.238	1.282	1.243	1.093	21.57
80)	T	Naphthalene,2-...			0.381	0.346	0.449	0.458	0.547	0.436	17.77
81)	T	1,2,4-Trichlor...			0.544	0.669	0.753	0.761	0.724	0.690	12.93

 (#) = Out of Range