

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

Method File : VL030920AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020

Last Update : Mon Mar 09 16:42:53 2020

Response Via : Initial Calibration

Calibration Files

0.03=VL034846.D 0.1 =VL034845.D 0.5 =VL034844.D 1 =VL034843.D 2 =VL034842.D 10 =VL034841.D 15 =VL034847.D

Compound		0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----								
2) T	Dichlorodifluo...			1.906	1.759	1.232	1.053	0.897	1.369	32.27
3)	Chlorodifluoro...			1.234	1.131	1.201	1.016	1.003	1.117	9.39
4)	Chloromethane			0.637	0.666	0.681	0.586	0.587	0.631	6.90
5) T	Vinyl Chloride	0.569	0.639	0.610	0.644	0.656	0.570	0.561	0.607	6.64
6) T	Bromomethane			0.372	0.364	0.378	0.329	0.324	0.353	7.10
7)	Chloroethane			0.225	0.230	0.231	0.202	0.208	0.219	6.00
8) T	Dichlorotetra...			1.569	1.550	1.528	1.274	1.190	1.422	12.43
9) T	Propene			0.605	0.535	0.557	0.484	0.486	0.533	9.52
10) T	Heptane			1.290	1.366	1.395	1.250	1.261	1.313	4.92
11) T	Trichlorofluor...			1.595	1.562	1.562	1.300	1.265	1.457	11.00
12) T	1,1,2-Trichlor...			1.158	1.069	1.056	0.918	0.898	1.020	10.72
13)	Ethanol			0.196	0.188	0.166	0.123	0.137	0.162	19.32
14) T	Bromoethene			0.447	0.465	0.470	0.414	0.406	0.440	6.60
15) T	Acetone			1.406	1.398	1.602	1.038	1.037	1.296	19.29
16) T	1,3-Butadiene			0.641	0.569	0.633	0.542	0.545	0.586	8.13
17)	tert-Butyl alc...			1.516	1.345	1.095	1.094	1.194	1.249	14.51
18) T	1,1-Dichloroet...			0.455	0.476	0.500	0.419	0.408	0.452	8.53
19) T	Isopropyl Alcohol			0.996	0.872	0.717	0.715	0.792	0.818	14.47
20) T	Methylene Chlo...			0.480	0.442	0.404	0.364	0.358	0.410	12.68
21) T	Allyl Chloride			0.898	0.848	0.876	0.770	0.770	0.832	7.15
22) T	trans-1,2-Dich...			0.490	0.487	0.473	0.422	0.418	0.458	7.71
23) T	Vinyl Acetate			1.951	1.983	2.062	1.798	1.780	1.915	6.37
24) T	1,1-Dichloroet...			1.361	1.357	1.363	1.183	1.153	1.283	8.25
25) T	Ethyl Acetate			2.443	2.482	2.465	2.096	2.059	2.309	9.19
26) T	Hexane			1.066	1.029	1.042	0.925	0.909	0.994	7.22
27) T	Carbon Disulfide			1.078	1.120	1.228	1.122	1.094	1.128	5.21
28) T	Methyl tert-Bu...			1.650	1.771	1.777	1.559	1.514	1.654	7.25
29) T	Chloroform			1.625	1.621	1.613	1.371	1.356	1.517	9.27
30) T	Cyclohexane			0.865	0.850	0.852	0.790	0.791	0.830	4.34
31) T	cis-1,2-Dichlo...			1.027	1.049	1.112	0.954	0.943	1.017	6.87
32) T	1,1,1-Trichlor...	1.236	1.576	1.581	1.563	1.628	1.401	1.364	1.478	9.85

33) I	1,4-Difluorobenzene	-----ISTD-----								
34) T	2-Butanone			0.691	0.703	0.722	0.598	0.609	0.665	8.60
35) T	Carbon Tetrach...	0.482	0.603	0.666	0.669	0.707	0.621	0.606	0.622	11.65
36) T	Benzene			0.935	0.943	0.958	0.817	0.803	0.891	8.37
37) T	1,2-Dichloroet...			0.523	0.540	0.521	0.466	0.463	0.503	7.10
38) T	Trichloroethene	0.263	0.408	0.361	0.362	0.356	0.312	0.309	0.339	14.03
39) T	1,2-Dichloropr...			0.379	0.374	0.369	0.321	0.323	0.353	8.14

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40)	T	1,4-Dioxane			0.167	0.150	0.121	0.115	0.114	0.133	17.71
41)	T	Tetrahydrofuran			0.341	0.385	0.373	0.346	0.353	0.360	5.16
42)	T	Bromodichlorom...			0.667	0.713	0.749	0.658	0.639	0.685	6.51
43)		Methyl Methacr...			0.378	0.374	0.397	0.361	0.367	0.376	3.65
44)	T	2,2,4-Trimethy...			1.562	1.609	1.632	1.388	1.340	1.506	8.85
45)	T	t-1,3-Dichloro...			0.397	0.435	0.468	0.451	0.455	0.441	6.19
46)	T	cis-1,3-Dichlo...			0.495	0.530	0.563	0.516	0.517	0.524	4.83
47)	T	1,1,2-Trichlor...			0.371	0.380	0.390	0.337	0.334	0.362	7.01
48)	T	Dibromochlorom...			0.549	0.596	0.638	0.580	0.570	0.587	5.71
49)	T	Bromoform			0.467	0.515	0.574	0.538	0.522	0.523	7.44
50)	T	4-Methyl-2-Pen...			0.956	1.006	1.024	0.897	0.900	0.957	6.14
51)	T	2-Hexanone			0.764	0.783	0.834	0.749	0.758	0.777	4.35
52)	T	Tetrachloroethene	0.411	0.375	0.363	0.351	0.359	0.309	0.300	0.353	10.84
53)	T	Toluene			1.045	1.080	1.111	0.962	0.949	1.029	6.96
54)	T	1,2-Dibromoethane			0.539	0.571	0.588	0.517	0.513	0.546	6.04

55)	I	Chlorobenzene-d5			-----ISTD-----						
56)		1,1,1,2-Tetrac...			0.481	0.482	0.470	0.417	0.396	0.449	8.91
57)	T	Chlorobenzene			0.880	0.859	0.827	0.687	0.659	0.782	13.04
58)	T	Ethyl Benzene			1.448	1.435	1.481	1.230	1.176	1.354	10.34
59)	T	m/p-Xylene			1.262	1.252	1.195	1.006	0.959	1.135	12.54
60)	T	o-Xylene			1.206	1.224	1.201	0.981	0.927	1.108	12.81
61)	T	Styrene			0.756	0.831	0.823	0.746	0.731	0.777	5.97
62)		Isopropylbenzene			1.829	1.854	1.796	1.484	1.412	1.675	12.52
63)	T	1,1,2,2-Tetrac...	0.700	0.765	0.840	0.825	0.805	0.681	0.649	0.752	10.07
64)		n-propylbenzene			0.467	0.466	0.458	0.399	0.390	0.436	8.77
65)		tert-Butylbenzene			1.555	1.621	1.616	1.301	1.229	1.464	12.66
66)	T	Benzyl Chloride			0.553	0.614	0.653	0.629	0.603	0.611	6.09
67)		sec-Butylbenzene			2.048	2.244	2.289	1.843	1.728	2.030	12.05
68)	S	1-Bromo-4-Fluo...	0.796	0.798	0.801	0.782	0.757	0.764	0.760	0.780	2.47
69)		p-Isopropyltol...			1.711	1.853	1.897	1.569	1.483	1.702	10.46
70)		n-Butylbenzene			1.772	1.867	1.931	1.601	1.513	1.737	10.15
71)		2-Chlorotoluene			1.346	1.382	1.383	1.137	1.095	1.268	11.12
72)	T	4-Ethyltoluene			1.388	1.382	1.408	1.203	1.160	1.308	8.96
73)	T	1,3,5-Trimethy...			1.286	1.303	1.321	1.127	1.086	1.225	8.94
74)	T	1,2,4-Trimethy...			1.329	1.364	1.370	1.155	1.090	1.262	10.30
75)	T	1,3-Dichlorobe...			0.827	0.839	0.812	0.677	0.649	0.761	11.87
76)	T	1,4-Dichlorobe...			0.800	0.835	0.810	0.686	0.665	0.759	10.26
77)	T	1,2-Dichlorobe...			0.790	0.809	0.774	0.672	0.642	0.737	10.17
78)	T	Hexachloro-1,3...			0.660	0.653	0.641	0.561	0.564	0.616	7.98
79)	T	Naphthalene			0.798	0.856	0.936	1.166	1.165	0.984	17.55
80)	T	Naphthalene,2-...			0.068	0.070	0.098	0.519	0.531	0.257	95.16
81)	T	1,2,4-Trichlor...			0.594	0.582	0.607	0.674	0.668	0.625	6.86

(#) = Out of Range