

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

Method File : VL073019AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 30 06:55:18 2019

Last Update : Tue Jul 30 06:55:18 2019

Response Via : Initial Calibration

Calibration Files

0.03=VL034053.D 0.1 =VL034052.D 0.5 =VL034051.D 1 =VL034050.D 2 =VL034049.D 10 =VL034048.D 15 =VL034054.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----									
1) I Bromochloromethane									
2) T Dichlorodifluo...			2.623	2.117	1.720	1.929	1.216	1.921	26.90
3) Chlorodifluoro...			1.261	1.235	1.157	1.237	0.882	1.154	13.60
4) Chloromethane			0.731	0.703	0.659	0.782	0.510	0.677	15.28
5) T Vinyl Chloride	0.772	0.824	0.760	0.736	0.714	0.860	0.556	0.746	13.09
6) T Bromomethane			0.459	0.457	0.450	0.585	0.396	0.470	14.85
7) Chloroethane			0.330	0.296	0.282	0.361	0.243	0.302	14.98
8) T Dichlorotetra...			2.063	1.982	1.896	2.209	1.417	1.913	15.71
9) T Propene			0.455	0.389	0.421	0.463	0.344	0.414	11.86
10) T Heptane			1.075	1.163	1.190	1.115	1.108	1.130	4.05
11) T Trichlorofluor...			2.269	2.059	2.086	2.529	1.738	2.136	13.64
12) T 1,1,2-Trichlor...			1.639	1.440	1.608	1.278	1.219	1.437	13.14
13) Ethanol			0.231	0.185	0.186	0.137	0.086	0.165	33.67
14) T Bromoethene			0.629	0.586	0.591	0.687	0.540	0.607	9.03
15) T Acetone			1.607	1.573	1.525	1.698	1.199	1.520	12.53
16) T 1,3-Butadiene			0.550	0.578	0.551	0.785	0.488	0.590	19.27
17) tert-Butyl alc...			1.383	1.321	1.320	1.232	0.993	1.250	12.26
18) T 1,1-Dichloroet...			0.669	0.663	0.721	0.622	0.579	0.651	8.19
19) T Isopropyl Alcohol			1.126	1.078	0.990	1.245	0.753	1.038	17.73
20) T Methylene Chlo...			0.662	0.613	0.617	0.516	0.499	0.581	12.08
21) T Allyl Chloride			0.992	0.977	1.063	0.892	0.874	0.960	8.08
22) T trans-1,2-Dich...			0.741	0.655	0.752	0.636	0.588	0.674	10.43
23) T Vinyl Acetate			1.482	1.696	1.794	1.623	1.546	1.628	7.54
24) T 1,1-Dichloroet...			1.541	1.540	1.558	1.356	1.237	1.446	9.90
25) T Ethyl Acetate			2.277	2.324	2.430	2.152	2.118	2.260	5.65
26) T Hexane			1.051	1.054	1.072	0.981	0.952	1.022	5.12
27) T Carbon Disulfide			1.620	1.519	1.765	1.542	1.514	1.592	6.64
28) T Methyl tert-Bu...			1.762	1.759	1.914	1.737	1.528	1.740	7.91
29) T Chloroform			1.939	2.026	2.015	1.708	1.648	1.867	9.49
30) T Cyclohexane			1.012	1.101	0.917	1.065	1.098	1.039	7.39
31) T cis-1,2-Dichlo...			0.903	0.991	1.086	1.018	0.984	0.996	6.61
32) T 1,1,1-Trichlor...	2.370	1.909	2.093	1.981	2.092	1.673	1.601	1.960	13.46
-----ISTD-----									
33) I 1,4-Difluorobenzene									
34) T 2-Butanone			0.363	0.391	0.560	0.374	0.369	0.412	20.29
35) T Carbon Tetrach...	0.806	0.775	0.718	0.606	0.811	0.510	0.712	0.706	15.77
36) T Benzene			0.532	0.615	0.840	0.553	0.789	0.666	21.09
37) T 1,2-Dichloroet...			0.477	0.455	0.591	0.387	0.377	0.457	18.76
38) T Trichloroethene	0.322	0.208	0.229	0.246	0.367	0.244	0.338	0.279	22.09
39) T 1,2-Dichloropr...			0.222	0.219	0.402	0.220	0.288	0.270	29.44

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40)	T	1,4-Dioxane	0.103	0.102	0.131	0.086	0.111	0.107	15.31		
41)	T	Tetrahydrofuran	0.170	0.196	0.283	0.195	0.202	0.209	20.58		
42)	T	Bromodichlorom...	0.547	0.571	0.785	0.528	0.732	0.632	18.56		
43)		Methyl Methacr...	0.190	0.219	0.318	0.225	0.234	0.237	20.25		
44)	T	2,2,4-Trimethy...	0.904	1.003	1.407	0.934	1.278	1.105	20.31		
45)	T	t-1,3-Dichloro...	0.217	0.265	0.395	0.313	0.336	0.305	22.20		
46)	T	cis-1,3-Dichlo...	0.246	0.293	0.453	0.351	0.373	0.343	23.07		
47)	T	1,1,2-Trichlor...	0.261	0.281	0.371	0.244	0.249	0.281	18.61		
48)	T	Dibromochlorom...	0.456	0.465	0.671	0.627	0.462	0.536	19.43		
49)	T	Bromoform	0.416	0.428	0.631	0.427	0.436	0.468	19.61		
50)	T	4-Methyl-2-Pen...	0.527	0.573	0.815	0.556	0.584	0.611	19.04		
51)	T	2-Hexanone	0.342	0.435	0.649	0.636	0.478	0.508	25.98		
52)	T	Tetrachloroethene	0.297	0.245	0.226	0.243	0.349	0.231	0.236	0.261	17.39
53)	T	Toluene	0.498	0.614	0.972	0.681	0.707	0.695	25.19		
54)	T	1,2-Dibromoethane	0.380	0.390	0.554	0.372	0.389	0.417	18.46		

55)	I	Chlorobenzene-d5			-----ISTD-----							
56)		1,1,1,2-Tetrac...			0.478	0.483	0.493	0.395	0.384	0.447	11.74	
57)	T	Chlorobenzene			0.827	0.849	0.827	0.693	0.678	0.775	10.61	
58)	T	Ethyl Benzene			0.983	1.152	1.338	1.234	1.211	1.183	11.03	
59)	T	m/p-Xylene			0.981	1.150	1.201	1.034	1.012	1.076	8.80	
60)	T	o-Xylene			0.976	1.140	1.198	1.037	0.995	1.069	8.96	
61)	T	Styrene			0.507	0.681	0.812	0.765	0.766	0.706	17.13	
62)		Isopropylbenzene			1.352	1.469	1.654	1.378	1.309	1.433	9.58	
63)	T	1,1,2,2-Tetrac...	0.911	0.832	0.865	0.854	0.860	0.717	0.706	0.821	9.53	
64)		n-propylbenzene			0.345	0.404	0.412	0.354	0.340	0.371	9.16	
65)		tert-Butylbenzene			1.244	1.421	1.544	1.229	1.166	1.321	11.85	
66)	T	Benzyl Chloride			0.578	0.632	0.730	0.689	0.685	0.663	8.87	
67)		sec-Butylbenzene			1.787	2.038	2.168	1.726	1.667	1.877	11.48	
68)	S	1-Bromo-4-Fluo...	0.817	0.826	0.802	0.785	0.793	0.765	0.745	0.790	3.60	
69)		p-Isopropyltol...			1.434	1.636	1.784	1.421	1.376	1.530	11.35	
70)		n-Butylbenzene			1.505	1.738	1.929	1.493	1.433	1.620	12.88	
71)		2-Chlorotoluene			0.867	1.067	1.218	1.049	0.999	1.040	12.20	
72)	T	4-Ethyltoluene			1.020	1.250	1.395	1.233	1.147	1.209	11.43	
73)	T	1,3,5-Trimethy...			1.168	1.296	1.396	1.175	1.119	1.230	9.18	
74)	T	1,2,4-Trimethy...			1.368	1.488	1.550	1.202	1.151	1.352	12.86	
75)	T	1,3-Dichlorobe...			0.935	0.933	0.951	0.716	0.681	0.843	15.77	
76)	T	1,4-Dichlorobe...			0.839	0.872	0.883	0.702	0.684	0.796	12.01	
77)	T	1,2-Dichlorobe...			0.810	0.873	0.872	0.673	0.655	0.776	13.68	
78)	T	Hexachloro-1,3...			0.818	0.835	0.840	0.554	0.525	0.714	22.46	
79)	T	Naphthalene			1.021	1.239	1.397	1.111	1.123	1.178	12.28	
80)	T	Naphthalene,2-...			0.433	0.421	0.476	0.358	0.366	0.411	11.93	
81)	T	1,2,4-Trichlor...			0.739	0.825	0.900	0.669	0.664	0.760	13.44	

 (#) = Out of Range