

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

Method File : VL031519AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019

Last Update : Fri Mar 15 14:52:14 2019

Response Via : Initial Calibration

Calibration Files

0.03=VL033331.D 0.1 =VL033330.D 0.5 =VL033329.D 1 =VL033328.D 2 =VL033327.D 10 =VL033326.D 15 =VL033332.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----									
1) I Bromochloromethane									
2) T Dichlorodifluo...			2.010	1.993	1.424	1.701	1.665	1.759	14.00
3) Chlorodifluoro...			1.197	1.194	1.181	1.085	1.082	1.148	5.13
4) Chloromethane			0.663	0.647	0.649	0.575	0.573	0.622	7.04
5) T Vinyl Chloride	0.918	0.627	0.606	0.603	0.610	0.564	0.561	0.641	19.44
6) T Bromomethane			0.397	0.390	0.384	0.369	0.365	0.381	3.52
7) Chloroethane			0.236	0.233	0.230	0.208	0.213	0.224	5.63
8) T Dichlorotetra...			1.537	1.597	1.542	1.409	1.400	1.497	5.87
9) T Propene			0.536	0.550	0.538	0.468	0.470	0.512	7.85
10) T Heptane			1.205	1.305	1.335	1.244	1.265	1.271	4.00
11) T Trichlorofluor...			1.900	1.803	1.752	1.656	1.644	1.751	6.08
12) T 1,1,2-Trichlor...			1.221	1.244	1.188	1.096	1.060	1.162	6.87
13) Ethanol			0.376	0.348	0.280	0.105	0.113	0.244	52.58
14) T Bromoethene			0.517	0.491	0.488	0.458	0.467	0.484	4.75
15) T Acetone			1.903	1.852	1.866	1.085	1.067	1.554	28.14
16) T 1,3-Butadiene			0.503	0.505	0.533	0.478	0.506	0.505	3.84
17) tert-Butyl alc...			0.276	0.244	0.187	0.191	0.195	0.219	17.97
18) T 1,1-Dichloroet...			0.567	0.558	0.535	0.494	0.502	0.531	6.18
19) T Isopropyl Alcohol			0.987	0.783	0.619	0.643	0.665	0.739	20.58
20) T Methylene Chlo...			0.612	0.553	0.541	0.413	0.415	0.507	17.51
21) T Allyl Chloride			0.731	0.762	0.771	0.760	0.748	0.754	2.03
22) T trans-1,2-Dich...			0.525	0.508	0.527	0.496	0.518	0.515	2.50
23) T Vinyl Acetate			1.708	1.860	1.876	1.757	1.793	1.799	3.91
24) T 1,1-Dichloroet...			1.367	1.327	1.347	1.226	1.228	1.299	5.18
25) T Ethyl Acetate			2.336	2.390	2.360	2.111	2.101	2.260	6.27
26) T Hexane			1.048	1.051	1.091	0.933	0.930	1.010	7.35
27) T Carbon Disulfide			1.035	1.161	1.183	1.218	1.218	1.163	6.51
28) T Methyl tert-Bu...			1.506	1.505	1.569	1.470	1.452	1.500	2.98
29) T Chloroform			1.734	1.693	1.703	1.564	1.577	1.654	4.72
30) T Cyclohexane			0.828	0.813	0.817	0.792	0.799	0.810	1.75
31) T cis-1,2-Dichlo...			0.992	1.025	1.032	0.996	1.005	1.010	1.76
32) T 1,1,1-Trichlor...	1.709	1.593	1.554	1.662	1.677	1.607	1.566	1.624	3.64
-----ISTD-----									
33) I 1,4-Difluorobenzene									
34) T 2-Butanone			0.687	0.685	0.710	0.598	0.604	0.657	7.89
35) T Carbon Tetrach...	0.780	0.627	0.660	0.702	0.729	0.701	0.737	0.705	7.18
36) T Benzene			0.885	0.934	0.919	0.853	0.884	0.895	3.55
37) T 1,2-Dichloroet...			0.593	0.593	0.578	0.529	0.536	0.566	5.47
38) T Trichloroethene	0.328	0.353	0.343	0.356	0.339	0.321	0.331	0.339	3.82
39) T 1,2-Dichloropr...			0.330	0.361	0.336	0.323	0.326	0.335	4.51

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40)	T	1,4-Dioxane	0.131	0.126	0.109	0.110	0.113	0.118	8.63		
41)	T	Tetrahydrofuran	0.321	0.375	0.356	0.350	0.351	0.350	5.55		
42)	T	Bromodichlorom...	0.735	0.763	0.770	0.757	0.769	0.759	1.85		
43)		Methyl Methacr...	0.323	0.349	0.356	0.351	0.363	0.348	4.40		
44)	T	2,2,4-Trimethy...	1.448	1.552	1.567	1.421	1.423	1.482	4.85		
45)	T	t-1,3-Dichloro...	0.341	0.378	0.430	0.494	0.507	0.430	16.72		
46)	T	cis-1,3-Dichlo...	0.433	0.486	0.508	0.543	0.563	0.507	10.05		
47)	T	1,1,2-Trichlor...	0.378	0.372	0.374	0.363	0.363	0.370	1.82		
48)	T	Dibromochlorom...	0.536	0.580	0.625	0.699	0.665	0.621	10.50		
49)	T	Bromoform	0.499	0.560	0.585	0.628	0.674	0.589	11.28		
50)	T	4-Methyl-2-Pen...	0.894	0.962	0.976	0.893	0.913	0.928	4.19		
51)	T	2-Hexanone	0.636	0.734	0.763	0.715	0.731	0.716	6.67		
52)	T	Tetrachloroethene	0.422	0.357	0.342	0.388	0.376	0.356	0.370	0.373	7.12
53)	T	Toluene	0.947	1.032	1.044	1.021	1.041	1.017	3.93		
54)	T	1,2-Dibromoethane	0.558	0.650	0.632	0.634	0.655	0.626	6.22		

55)	I	Chlorobenzene-d5	-----ISTD-----								
56)		1,1,1,2-Tetrac...		0.448	0.473	0.467	0.416	0.432	0.447	5.30	
57)	T	Chlorobenzene		0.857	0.869	0.808	0.706	0.719	0.792	9.62	
58)	T	Ethyl Benzene		1.423	1.472	1.473	1.339	1.365	1.415	4.32	
59)	T	m/p-Xylene		1.275	1.268	1.284	1.116	1.135	1.216	6.80	
60)	T	o-Xylene		1.237	1.246	1.246	1.088	1.113	1.186	6.62	
61)	T	Styrene		0.805	0.812	0.876	0.816	0.843	0.830	3.50	
62)		Isopropylbenzene		1.718	1.741	1.710	1.527	1.547	1.649	6.22	
63)	T	1,1,2,2-Tetrac...	0.936	0.865	0.923	0.892	0.871	0.748	0.766	0.857	8.56
64)		n-propylbenzene		0.431	0.428	0.439	0.389	0.399	0.417	5.17	
65)		tert-Butylbenzene		1.493	1.582	1.589	1.370	1.387	1.484	7.00	
66)	T	Benzyl Chloride		0.437	0.463	0.600	0.754	0.814	0.613	27.50	
67)		sec-Butylbenzene		2.148	2.225	2.205	1.961	1.978	2.104	5.96	
68)	S	1-Bromo-4-Fluo...	0.758	0.761	0.774	0.744	0.718	0.706	0.726	0.741	3.38
69)		p-Isopropyltol...		1.715	1.789	1.835	1.628	1.626	1.719	5.46	
70)		n-Butylbenzene		1.871	1.921	1.951	1.700	1.721	1.833	6.30	
71)		2-Chlorotoluene		1.322	1.352	1.342	1.188	1.214	1.284	6.00	
72)	T	4-Ethyltoluene		1.341	1.379	1.422	1.288	1.304	1.347	4.07	
73)	T	1,3,5-Trimethy...		1.312	1.367	1.394	1.232	1.255	1.312	5.31	
74)	T	1,2,4-Trimethy...		1.430	1.507	1.470	1.263	1.278	1.390	8.06	
75)	T	1,3-Dichlorobe...		0.919	0.862	0.846	0.731	0.737	0.819	10.02	
76)	T	1,4-Dichlorobe...		0.820	0.834	0.831	0.734	0.747	0.793	6.15	
77)	T	1,2-Dichlorobe...		0.826	0.808	0.808	0.712	0.725	0.776	6.86	
78)	T	Hexachloro-1,3...		0.551	0.507	0.485	0.389	0.393	0.465	15.37	
79)	T	Naphthalene		1.318	1.392	1.468	1.243	1.275	1.339	6.80	
80)	T	Naphthalene,2-...		0.505	0.669	0.775	0.630	0.596	0.635	15.58	
81)	T	1,2,4-Trichlor...		0.694	0.715	0.754	0.619	0.632	0.683	8.30	

 (#) = Out of Range