

Method Path : W:\HPCHEM1\MSVOA_L\METHODS\

Method File : VL041218AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Apr 13 16:50:02 2018

Last Update : Fri Apr 13 16:50:02 2018

Response Via : Initial Calibration

Calibration Files

0.03=VL031856.D 0.1 =VL031855.D 0.5 =VL031854.D 1 =VL031853.D 2 =VL031852.D 10 =VL031851.D 15 =VL031857.D

Compound		0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----										
1) I	Bromochloromethane									
2) T	Dichlorodifluo...		2.320	2.460	2.318	1.705	1.510	2.063	20.60	
3)	Chlorodifluoro...		1.259	1.359	1.346	1.083	0.769	1.163	21.17	
4)	Chloromethane		0.622	0.662	0.675	0.554	0.457	0.594	15.17	
5) T	Vinyl Chloride	0.878	0.672	0.645	0.705	0.712	0.581	0.486	0.669	18.15
6) T	Bromomethane		0.439	0.498	0.508	0.409	0.344	0.439	15.35	
7)	Chloroethane		0.294	0.296	0.302	0.237	0.203	0.267	16.48	
8) T	Dichlorotetra...		1.867	1.966	1.876	1.512	1.247	1.694	17.95	
9) T	Propene		0.377	0.419	0.465	0.407	0.343	0.402	11.34	
10) T	Heptane		1.189	1.380	1.470	1.324	1.160	1.305	9.97	
11) T	Trichlorofluor...		2.268	2.266	2.183	1.758	1.636	2.022	14.93	
12) T	1,1,2-Trichlor...		1.505	1.475	1.399	1.142	1.049	1.314	15.65	
13)	Ethanol		0.161	0.158	0.163	0.110	0.090	0.136	24.89	
14) T	Bromoethene		0.530	0.556	0.548	0.457	0.387	0.496	14.62	
15) T	Acetone		1.732	1.843	1.762	1.277	1.082	1.539	21.96	
16) T	1,3-Butadiene		0.577	0.663	0.605	0.572	0.430	0.569	15.12	
17)	tert-Butyl alc...		0.728	0.708	0.697	0.613	0.433	0.636	19.11	
18) T	1,1-Dichloroet...		0.618	0.611	0.605	0.509	0.480	0.565	11.51	
19) T	Isopropyl Alcohol		0.922	0.979	0.933	0.786	0.678	0.860	14.43	
20) T	Methylene Chlo...		0.678	0.616	0.592	0.475	0.441	0.561	17.72	
21) T	Allyl Chloride		0.940	0.924	0.955	0.824	0.754	0.879	9.86	
22) T	trans-1,2-Dich...		0.630	0.627	0.641	0.536	0.491	0.585	11.52	
23) T	Vinyl Acetate		1.483	1.677	1.729	1.500	1.414	1.561	8.66	
24) T	1,1-Dichloroet...		1.747	1.673	1.738	1.344	1.273	1.555	14.68	
25) T	Ethyl Acetate		2.520	2.566	2.637	2.234	2.045	2.400	10.44	
26) T	Hexane		1.149	1.191	1.222	1.058	0.976	1.119	9.04	
27) T	Carbon Disulfide		1.477	1.502	1.549	1.427	1.309	1.453	6.33	
28) T	Methyl tert-Bu...		1.319	1.443	1.575	1.313	1.236	1.377	9.66	
29) T	Chloroform		2.119	2.103	2.010	1.692	1.562	1.897	13.40	
30) T	Cyclohexane		0.718	0.834	0.928	0.816	0.700	0.799	11.65	
31) T	cis-1,2-Dichlo...		1.004	1.071	1.067	0.987	0.940	1.014	5.47	
32) T	1,1,1-Trichlor...	2.096	1.840	1.948	1.983	1.952	1.689	1.427	1.848	12.16
-----ISTD-----										
33) I	1,4-Difluorobenzene									
34) T	2-Butanone		0.733	0.727	0.760	0.625	0.624	0.694	9.28	
35) T	Carbon Tetrach...	1.150	0.831	0.899	0.878	0.862	0.755	0.704	0.869	16.40
36) T	Benzene		0.878	0.951	0.983	0.866	0.820	0.899	7.37	
37) T	1,2-Dichloroet...		0.734	0.720	0.714	0.610	0.568	0.669	11.21	

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38) T	Trichloroethene	0.430	0.321	0.367	0.380	0.394	0.340	0.323	0.365	10.97
39) T	1,2-Dichloropr...			0.344	0.356	0.363	0.314	0.294	0.334	8.75
40) T	1,4-Dioxane			0.119	0.150	0.150	0.137	0.123	0.136	10.67
41) T	Tetrahydrofuran			0.288	0.317	0.354	0.315	0.332	0.321	7.50
42) T	Bromodichlorom...			0.849	0.827	0.868	0.749	0.711	0.801	8.45
43)	Methyl Methacr...			0.282	0.319	0.345	0.325	0.311	0.317	7.25
44) T	2,2,4-Trimethy...			1.488	1.672	1.732	1.473	1.380	1.549	9.50
45) T	t-1,3-Dichloro...			0.333	0.370	0.443	0.459	0.448	0.411	13.62
46) T	cis-1,3-Dichlo...			0.447	0.507	0.572	0.565	0.532	0.525	9.67
47) T	1,1,2-Trichlor...			0.430	0.425	0.406	0.374	0.352	0.397	8.43
48) T	Dibromochlorom...			0.640	0.651	0.683	0.637	0.600	0.642	4.65
49) T	Bromoform			0.467	0.500	0.524	0.503	0.479	0.494	4.45
50) T	4-Methyl-2-Pen...			0.731	0.839	0.881	0.790	0.729	0.794	8.42
51) T	2-Hexanone			0.531	0.730	0.802	0.753	0.653	0.694	15.23
52) T	Tetrachloroethene	0.403	0.345	0.357	0.360	0.359	0.324	0.305	0.350	8.85
53) T	Toluene			0.836	1.038	1.109	1.041	0.991	1.003	10.21
54) T	1,2-Dibromoethane			0.575	0.596	0.622	0.559	0.534	0.577	5.84
55) I	Chlorobenzene-d5	-----ISTD-----								
56)	1,1,1,2-Tetrac...			0.524	0.535	0.501	0.435	0.358	0.471	15.73
57) T	Chlorobenzene			0.948	0.942	0.913	0.787	0.649	0.848	15.20
58) T	Ethyl Benzene			1.263	1.466	1.577	1.441	1.197	1.389	11.18
59) T	m/p-Xylene			1.182	1.341	1.348	1.181	0.977	1.206	12.57
60) T	o-Xylene			1.102	1.338	1.371	1.214	1.001	1.205	12.93
61) T	Styrene			0.160	0.214	0.253	0.285	0.235	0.230	20.34
62)	Isopropylbenzene			1.502	1.715	1.729	1.536	1.258	1.548	12.39
63) T	1,1,2,2-Tetrac...	1.142	0.936	0.985	0.985	0.959	0.816	0.665	0.927	16.18
64)	n-propylbenzene			0.361	0.404	0.419	0.381	0.317	0.376	10.60
65)	tert-Butylbenzene			1.257	1.491	1.525	1.321	1.064	1.332	14.06
66) T	Benzyl Chloride			0.105	0.113	0.122	0.130	0.130	0.120	8.98
67)	sec-Butylbenzene			1.848	2.155	2.182	1.879	1.528	1.918	13.91
68) S	1-Bromo-4-Fluo...	0.818	0.823	0.823	0.816	0.784	0.821	0.743	0.804	3.75
69)	p-Isopropyltol...			1.350	1.633	1.723	1.516	1.213	1.487	13.93
70)	n-Butylbenzene			1.457	1.669	1.801	1.580	1.235	1.548	13.94
71)	2-Chlorotoluene			1.038	1.213	1.249	1.150	0.947	1.119	11.20
72) T	4-Ethyltoluene			1.137	1.325	1.392	1.272	1.033	1.232	11.80
73) T	1,3,5-Trimethy...			1.049	1.228	1.271	1.156	0.934	1.128	12.16
74) T	1,2,4-Trimethy...			1.328	1.397	1.403	1.206	0.959	1.259	14.71
75) T	1,3-Dichlorobe...			0.834	0.857	0.850	0.738	0.581	0.772	15.16
76) T	1,4-Dichlorobe...			0.789	0.808	0.824	0.742	0.581	0.749	13.20
77) T	1,2-Dichlorobe...			0.782	0.863	0.842	0.736	0.578	0.760	14.90
78) T	Hexachloro-1,3...			0.360	0.347	0.324	0.253	0.175	0.292	26.47
79) T	Naphthalene			0.555	0.695	0.835	0.849	0.609	0.708	18.60
80) T	Naphthalene,2-...			0.091	0.111	0.141	0.251	0.098	0.138	47.63
81) T	1,2,4-Trichlor...			0.378	0.406	0.446	0.438	0.297	0.393	15.24

(#) = Out of Range