

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

Method File : VL101619AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Oct 17 05:12:37 2019

Last Update : Thu Oct 17 05:12:37 2019

Response Via : Initial Calibration

Calibration Files

0.03=VL034303.D 0.1 =VL034302.D 0.5 =VL034301.D 1 =VL034300.D 2 =VL034299.D 10 =VL034298.D 15 =VL034304.D

Compound		0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----								
2) T	Dichlorodifluo...			2.142	1.557	2.080	1.208	1.633	1.724	22.53
3)	Chlorodifluoro...			1.230	1.232	1.211	1.124	1.063	1.172	6.41
4)	Chloromethane			0.713	0.707	0.718	0.669	0.659	0.693	3.88
5) T	Vinyl Chloride	0.823	0.678	0.660	0.611	0.637	0.611	0.608	0.661	11.52
6) T	Bromomethane			0.339	0.326	0.317	0.318	0.319	0.324	2.87
7)	Chloroethane			0.236	0.227	0.241	0.233	0.226	0.233	2.75
8) T	Dichlorotetra...			1.622	1.612	1.582	1.360	1.293	1.494	10.39
9) T	Propene			0.512	0.511	0.548	0.527	0.500	0.520	3.58
10) T	Heptane			1.218	1.337	1.383	1.375	1.356	1.334	5.04
11) T	Trichlorofluor...			1.781	1.700	1.714	1.535	1.453	1.637	8.36
12) T	1,1,2-Trichlor...			1.143	1.084	1.110	1.024	1.000	1.072	5.54
13)	Ethanol			0.137	0.144	0.116	0.110	0.074	0.116	23.87
14) T	Bromoethene			0.398	0.413	0.449	0.437	0.415	0.422	4.81
15) T	Acetone			1.737	1.586	1.518	1.165	1.146	1.430	18.43
16) T	1,3-Butadiene			0.553	0.608	0.584	0.582	0.579	0.581	3.37
17)	tert-Butyl alc...			1.103	1.037	0.714	1.066	0.645	0.913	23.65
18) T	1,1-Dichloroet...			0.478	0.460	0.491	0.463	0.456	0.470	3.09
19) T	Isopropyl Alcohol			0.954	0.963	0.610	0.916	0.548	0.798	25.31
20) T	Methylene Chlo...			0.608	0.586	0.574	0.411	0.407	0.517	19.20
21) T	Allyl Chloride			0.747	0.776	0.805	0.820	0.805	0.791	3.66
22) T	trans-1,2-Dich...			0.444	0.465	0.491	0.476	0.466	0.468	3.63
23) T	Vinyl Acetate			1.636	1.777	1.876	1.859	1.783	1.786	5.32
24) T	1,1-Dichloroet...			1.338	1.359	1.392	1.294	1.245	1.326	4.34
25) T	Ethyl Acetate			2.557	2.456	2.561	2.298	2.202	2.415	6.61
26) T	Hexane			0.997	1.104	1.093	0.982	0.971	1.029	6.21
27) T	Carbon Disulfide			0.907	0.958	1.100	1.189	1.189	1.069	12.27
28) T	Methyl tert-Bu...			1.474	1.588	1.629	1.589	1.510	1.558	4.09
29) T	Chloroform			1.767	1.624	1.684	1.560	1.506	1.628	6.31
30) T	Cyclohexane			0.748	0.723	0.758	0.781	0.775	0.757	3.04
31) T	cis-1,2-Dichlo...			0.977	1.036	1.086	1.075	1.050	1.045	4.11
32) T	1,1,1-Trichlor...	1.988	1.470	1.487	1.522	1.574	1.544	1.497	1.583	11.50

33) I	1,4-Difluorobenzene	-----ISTD-----								
34) T	2-Butanone			0.828	0.823	0.853	0.811	0.772	0.817	3.62
35) T	Carbon Tetrach...	1.124	0.809	0.813	0.837	0.880	0.840	0.795	0.871	13.17
36) T	Benzene			0.927	0.995	1.020	0.954	0.901	0.959	5.08
37) T	1,2-Dichloroet...			0.714	0.735	0.744	0.706	0.677	0.715	3.70
38) T	Trichloroethene	0.456	0.371	0.363	0.377	0.400	0.374	0.355	0.385	8.90
39) T	1,2-Dichloropr...			0.412	0.416	0.425	0.412	0.400	0.413	2.23

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40)	T	1,4-Dioxane	0.172	0.168	0.122	0.157	0.107	0.145	19.93	
41)	T	Tetrahydrofuran	0.434	0.437	0.463	0.480	0.455	0.454	4.23	
42)	T	Bromodichlorom...	0.852	0.870	0.929	0.889	0.839	0.876	4.00	
43)		Methyl Methacr...	0.342	0.396	0.411	0.420	0.414	0.397	8.06	
44)	T	2,2,4-Trimethy...	1.788	1.861	1.917	1.736	1.578	1.776	7.35	
45)	T	t-1,3-Dichloro...	0.381	0.413	0.480	0.570	0.573	0.483	18.18	
46)	T	cis-1,3-Dichlo...	0.446	0.504	0.572	0.637	0.618	0.555	14.41	
47)	T	1,1,2-Trichlor...	0.433	0.414	0.437	0.410	0.399	0.418	3.82	
48)	T	Dibromochlorom...	0.613	0.641	0.725	0.738	0.715	0.686	8.14	
49)	T	Bromoform	0.495	0.574	0.638	0.674	0.661	0.608	12.21	
50)	T	4-Methyl-2-Pen...	1.050	1.191	1.266	1.208	1.137	1.170	6.95	
51)	T	2-Hexanone	0.828	0.940	1.017	1.024	0.988	0.959	8.40	
52)	T	Tetrachloroethene	0.391	0.419	0.369	0.368	0.367	0.351	0.376	5.87
53)	T	Toluene	0.940	1.052	1.142	1.109	1.052	1.059	7.25	
54)	T	1,2-Dibromoethane	0.619	0.614	0.645	0.621	0.603	0.620	2.48	

55)	I	Chlorobenzene-d5			-----ISTD-----							
56)		1,1,1,2-Tetrac...			0.481	0.485	0.482	0.437	0.419	0.461	6.71	
57)	T	Chlorobenzene			0.915	0.913	0.858	0.768	0.718	0.834	10.59	
58)	T	Ethyl Benzene			1.331	1.483	1.524	1.382	1.269	1.398	7.55	
59)	T	m/p-Xylene			1.270	1.297	1.289	1.159	1.041	1.211	9.09	
60)	T	o-Xylene			1.232	1.290	1.298	1.149	1.062	1.206	8.32	
61)	T	Styrene			0.741	0.875	0.927	0.870	0.832	0.849	8.17	
62)		Isopropylbenzene			1.617	1.738	1.728	1.504	1.373	1.592	9.73	
63)	T	1,1,2,2-Tetrac...	1.277	1.047	0.954	0.972	0.943	0.816	0.774	0.969	17.04	
64)		n-propylbenzene			0.392	0.438	0.435	0.396	0.382	0.409	6.45	
65)		tert-Butylbenzene			1.395	1.517	1.563	1.349	1.232	1.411	9.40	
66)	T	Benzyl Chloride			0.427	0.470	0.527	0.679	0.684	0.557	21.33	
67)		sec-Butylbenzene			1.993	2.183	2.228	1.856	1.669	1.986	11.67	
68)	S	1-Bromo-4-Fluo...	0.873	0.872	0.858	0.861	0.834	0.814	0.817	0.847	2.94	
69)		p-Isopropyltol...			1.577	1.731	1.819	1.557	1.412	1.619	9.82	
70)		n-Butylbenzene			1.713	1.906	1.994	1.674	1.520	1.761	10.74	
71)		2-Chlorotoluene			1.197	1.280	1.356	1.211	1.128	1.234	7.02	
72)	T	4-Ethyltoluene			1.278	1.451	1.480	1.337	1.232	1.356	7.95	
73)	T	1,3,5-Trimethy...			1.326	1.460	1.443	1.292	1.195	1.343	8.20	
74)	T	1,2,4-Trimethy...			1.362	1.538	1.574	1.327	1.203	1.401	10.99	
75)	T	1,3-Dichlorobe...			0.911	0.922	0.872	0.773	0.728	0.841	10.26	
76)	T	1,4-Dichlorobe...			0.845	0.883	0.866	0.777	0.737	0.822	7.55	
77)	T	1,2-Dichlorobe...			0.878	0.900	0.872	0.754	0.719	0.825	9.93	
78)	T	Hexachloro-1,3...			0.729	0.760	0.731	0.574	0.617	0.682	11.94	
79)	T	Naphthalene			0.810	1.036	1.084	1.116	1.071	1.023	12.00	
80)	T	Naphthalene,2-...			0.154	0.171	0.233	0.371	0.551	0.296	56.16	
81)	T	1,2,4-Trichlor...			0.600	0.711	0.699	0.679	0.652	0.668	6.61	

(#) = Out of Range