

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

Method File : VL111418AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Nov 14 07:00:23 2018

Last Update : Wed Nov 14 07:00:23 2018

Response Via : Initial Calibration

Calibration Files

0.03=VL032747.D 0.1 =VL032746.D 0.5 =VL032745.D 1 =VL032744.D 2 =VL032743.D 10 =VL032742.D 15 =VL032748.D

Compound		0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----										
1) I	Bromochloromethane									
2) T	Dichlorodifluo...		1.628	1.558	1.492	1.284	1.226	1.437	12.14	
3)	Chlorodifluoro...		0.856	0.863	0.832	0.716	0.696	0.793	10.14	
4)	Chloromethane		0.506	0.467	0.451	0.391	0.383	0.440	11.86	
5) T	Vinyl Chloride	0.586	0.504	0.443	0.472	0.454	0.402	0.400	0.466	13.90
6) T	Bromomethane		0.303	0.298	0.299	0.264	0.261	0.285	7.32	
7)	Chloroethane		0.190	0.180	0.168	0.152	0.149	0.168	10.47	
8) T	Dichlorotetra...		1.294	1.255	1.174	0.991	0.950	1.133	13.67	
9) T	Propene		0.343	0.330	0.330	0.292	0.292	0.317	7.57	
10) T	Heptane		1.161	1.207	1.278	1.208	1.203	1.211	3.49	
11) T	Trichlorofluor...		1.669	1.622	1.295	1.129	1.058	1.355	20.64	
12) T	1,1,2-Trichlor...		1.194	1.190	1.124	0.949	1.075	1.106	9.13	
13)	Ethanol		0.134	0.126	0.114	0.073	0.071	0.104	28.72	
14) T	Bromoethene		0.397	0.394	0.379	0.333	0.333	0.367	8.77	
15) T	Acetone		1.124	1.225	0.833	0.707	0.678	0.913	27.14	
16) T	1,3-Butadiene		0.348	0.376	0.376	0.367	0.301	0.354	8.96	
17)	tert-Butyl alc...		0.315	0.305	0.285	0.285	0.242	0.286	9.83	
18) T	1,1-Dichloroet...		0.607	0.588	0.545	0.509	0.471	0.544	10.20	
19) T	Isopropyl Alcohol		0.762	0.731	0.565	0.518	0.465	0.608	21.59	
20) T	Methylene Chlo...		0.555	0.472	0.505	0.431	0.401	0.473	12.82	
21) T	Allyl Chloride		0.780	0.775	0.819	0.690	0.773	0.767	6.17	
22) T	trans-1,2-Dich...		0.560	0.539	0.566	0.514	0.478	0.531	6.81	
23) T	Vinyl Acetate		1.619	1.739	1.616	1.754	1.595	1.665	4.55	
24) T	1,1-Dichloroet...		1.467	1.436	1.308	1.317	1.089	1.323	11.25	
25) T	Ethyl Acetate		2.260	2.251	2.240	1.965	1.927	2.128	7.87	
26) T	Hexane		0.956	0.976	1.019	0.905	0.881	0.947	5.82	
27) T	Carbon Disulfide		1.208	1.348	1.185	1.132	1.133	1.201	7.35	
28) T	Methyl tert-Bu...		1.489	1.615	1.525	1.605	1.321	1.511	7.87	
29) T	Chloroform		1.901	1.784	1.752	1.522	1.484	1.689	10.57	
30) T	Cyclohexane		0.787	0.853	0.869	0.818	0.817	0.829	3.89	
31) T	cis-1,2-Dichlo...		0.950	0.917	0.992	0.945	0.960	0.953	2.83	
32) T	1,1,1-Trichlor...	2.279	1.817	1.908	1.854	1.857	1.638	1.605	1.851	11.95
-----ISTD-----										
33) I	1,4-Difluorobenzene									
34) T	2-Butanone		0.515	0.531	0.552	0.509	0.486	0.519	4.73	
35) T	Carbon Tetrach...	1.050	0.814	0.801	0.786	0.792	0.711	0.673	0.804	14.96
36) T	Benzene		0.778	0.842	0.837	0.772	0.752	0.796	5.14	
37) T	1,2-Dichloroet...		0.580	0.556	0.556	0.505	0.483	0.536	7.51	

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38) T	Trichloroethene	0.395	0.286	0.306	0.320	0.335	0.315	0.300	0.322	11.07
39) T	1,2-Dichloropr...			0.311	0.313	0.312	0.292	0.288	0.303	3.95
40) T	1,4-Dioxane			0.106	0.106	0.121	0.103	0.106	0.108	6.54
41) T	Tetrahydrofuran			0.259	0.296	0.326	0.305	0.302	0.298	8.20
42) T	Bromodichlorom...			0.729	0.758	0.780	0.694	0.673	0.727	6.05
43)	Methyl Methacr...			0.257	0.282	0.322	0.316	0.310	0.297	9.13
44) T	2,2,4-Trimethy...			1.203	1.408	1.490	1.304	1.249	1.331	8.81
45) T	t-1,3-Dichloro...			0.302	0.342	0.412	0.471	0.467	0.399	18.87
46) T	cis-1,3-Dichlo...			0.400	0.443	0.504	0.537	0.525	0.482	12.08
47) T	1,1,2-Trichlor...			0.354	0.352	0.398	0.348	0.342	0.359	6.22
48) T	Dibromochlorom...			0.576	0.592	0.643	0.650	0.588	0.610	5.63
49) T	Bromoform			0.464	0.490	0.571	0.504	0.490	0.504	7.95
50) T	4-Methyl-2-Pen...			0.696	0.827	0.896	0.831	0.800	0.810	8.98
51) T	2-Hexanone			0.404	0.503	0.559	0.591	0.553	0.522	14.02
52) T	Tetrachloroethene	0.264	0.271	0.285	0.285	0.292	0.275	0.267	0.277	3.81
53) T	Toluene			0.661	0.789	0.918	0.903	0.882	0.831	12.94
54) T	1,2-Dibromoethane			0.481	0.495	0.558	0.509	0.493	0.507	5.95
55) I	Chlorobenzene-d5	-----ISTD-----								
56)	1,1,1,2-Tetrac...			0.509	0.508	0.493	0.434	0.388	0.466	11.46
57) T	Chlorobenzene			0.852	0.805	0.806	0.718	0.647	0.765	10.75
58) T	Ethyl Benzene			1.040	1.204	1.343	1.272	1.160	1.203	9.54
59) T	m/p-Xylene			1.024	1.125	1.182	1.063	0.963	1.071	7.97
60) T	o-Xylene			1.042	1.185	1.166	1.051	0.942	1.077	9.25
61) T	Styrene			0.493	0.723	0.780	0.788	0.723	0.701	17.18
62)	Isopropylbenzene			1.426	1.573	1.498	1.456	1.327	1.456	6.23
63) T	1,1,2,2-Tetrac...	1.046	0.879	0.891	0.855	0.828	0.727	0.651	0.840	15.01
64)	n-propylbenzene			0.361	0.415	0.392	0.388	0.359	0.383	6.13
65)	tert-Butylbenzene			1.234	1.433	1.387	1.328	1.145	1.305	8.93
66) T	Benzyl Chloride			0.638	0.659	0.730	0.818	0.763	0.722	10.32
67)	sec-Butylbenzene			1.832	2.040	1.988	1.861	1.684	1.881	7.43
68) S	1-Bromo-4-Fluo...	0.807	0.744	0.752	0.737	0.668	0.814	0.714	0.748	6.80
69)	p-Isopropyltol...			1.400	1.575	1.593	1.518	1.392	1.496	6.34
70)	n-Butylbenzene			1.417	1.594	1.630	1.553	1.400	1.519	6.88
71)	2-Chlorotoluene			0.976	1.125	1.141	1.143	1.045	1.086	6.76
72) T	4-Ethyltoluene			1.063	1.221	1.234	1.239	1.147	1.181	6.39
73) T	1,3,5-Trimethy...			1.079	1.250	1.187	1.180	1.077	1.154	6.52
74) T	1,2,4-Trimethy...			1.287	1.375	1.277	1.198	1.039	1.235	10.23
75) T	1,3-Dichlorobe...			0.768	0.748	0.732	0.682	0.611	0.709	8.89
76) T	1,4-Dichlorobe...			0.668	0.692	0.668	0.670	0.612	0.662	4.52
77) T	1,2-Dichlorobe...			0.686	0.683	0.679	0.638	0.592	0.656	6.18
78) T	Hexachloro-1,3...			0.435	0.374	0.335	0.364	0.260	0.354	17.95
79) T	Naphthalene			0.585	0.780	0.874	0.938	0.880	0.812	17.10
80) T	Naphthalene,2-...			0.088	0.116	0.199	0.319	0.295	0.203	50.93
81) T	1,2,4-Trichlor...			0.345	0.399	0.421	0.453	0.421	0.408	9.84

(#) = Out of Range