

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

Method File : VL081518AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

Last Update : Wed Aug 15 14:58:02 2018

Response Via : Initial Calibration

Calibration Files

0.03=VL032353.D 0.1 =VL032352.D 0.5 =VL032351.D 1 =VL032350.D 2 =VL032349.D 10 =VL032348.D 15 =VL032354.D

	Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
1) I	Bromochloromethane	-----ISTD-----								
2) T	Dichlorodifluo...		1.567	1.077	0.866	0.787	0.800	1.019	32.14	
3)	Chlorodifluoro...		1.001	1.000	0.935	0.861	0.835	0.926	8.30	
4)	Chloromethane		0.613	0.581	0.538	0.518	0.507	0.551	8.09	
5) T	Vinyl Chloride	0.586 0.536	0.549	0.538	0.500	0.487	0.483	0.526	7.12	
6) T	Bromomethane		0.298	0.290	0.283	0.269	0.268	0.282	4.64	
7)	Chloroethane		0.204	0.189	0.186	0.172	0.171	0.184	7.33	
8) T	Dichlorotetra...		1.309	1.230	1.163	1.010	0.938	1.130	13.59	
9) T	Propene		0.375	0.383	0.400	0.412	0.413	0.396	4.35	
10) T	Heptane		1.099	1.213	1.227	1.202	1.229	1.194	4.56	
11) T	Trichlorofluor...		1.272	1.234	1.117	0.993	0.976	1.118	12.10	
12) T	1,1,2-Trichlor...		0.835	0.824	0.762	0.686	0.658	0.753	10.57	
13)	Ethanol		0.099	0.120	0.110	0.099	0.081	0.102	14.47	
14) T	Bromoethene		0.364	0.342	0.313	0.310	0.300	0.326	8.11	
15) T	Acetone		1.118	1.095	0.979	0.782	0.776	0.950	17.33	
16) T	1,3-Butadiene		0.388	0.424	0.397	0.365	0.387	0.392	5.51	
17)	tert-Butyl alc...		0.167	0.186	0.165	0.145	0.134	0.159	12.79	
18) T	1,1-Dichloroet...		0.374	0.364	0.359	0.333	0.324	0.351	6.09	
19) T	Isopropyl Alcohol		0.695	0.694	0.654	0.609	0.548	0.640	9.76	
20) T	Methylene Chlo...		0.445	0.409	0.360	0.293	0.287	0.359	19.46	
21) T	Allyl Chloride		0.578	0.618	0.612	0.596	0.594	0.600	2.68	
22) T	trans-1,2-Dich...		0.335	0.374	0.369	0.367	0.324	0.354	6.40	
23) T	Vinyl Acetate		1.440	1.876	1.685	1.731	1.471	1.641	11.20	
24) T	1,1-Dichloroet...		1.186	1.273	1.276	1.184	1.004	1.185	9.32	
25) T	Ethyl Acetate		2.016	2.125	2.130	1.991	1.918	2.036	4.47	
26) T	Hexane		0.857	0.924	0.966	0.913	0.877	0.908	4.67	
27) T	Carbon Disulfide		0.849	0.830	0.834	0.883	0.841	0.847	2.51	
28) T	Methyl tert-Bu...		1.060	1.199	1.321	1.329	1.113	1.205	10.01	
29) T	Chloroform		1.394	1.441	1.296	1.315	1.205	1.330	6.85	
30) T	Cyclohexane		0.670	0.656	0.682	0.718	0.731	0.691	4.64	
31) T	cis-1,2-Dichlo...		0.819	0.886	0.906	0.921	0.908	0.888	4.54	
32) T	1,1,1-Trichlor...	1.406 1.247	1.312	1.375	1.277	1.251	1.194	1.295	5.80	
33) I	1,4-Difluorobenzene	-----ISTD-----								
34) T	2-Butanone		0.627	0.705	0.732	0.693	0.646	0.681	6.36	
35) T	Carbon Tetrach...	0.548 0.557	0.592	0.632	0.637	0.625	0.537	0.590	7.19	
36) T	Benzene		0.778	0.870	0.903	0.904	0.784	0.848	7.40	
37) T	1,2-Dichloroet...		0.523	0.541	0.533	0.507	0.468	0.514	5.63	

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38)	T	Trichloroethene	0.383	0.244	0.267	0.305	0.315	0.304	0.264	0.297	15.43
39)	T	1,2-Dichloropr...			0.337	0.368	0.363	0.373	0.330	0.354	5.50
40)	T	1,4-Dioxane			0.095	0.110	0.117	0.125	0.091	0.108	13.34
41)	T	Tetrahydrofuran			0.287	0.353	0.398	0.403	0.387	0.365	13.17
42)	T	Bromodichlorom...			0.644	0.698	0.701	0.706	0.618	0.673	5.94
43)		Methyl Methacr...			0.264	0.330	0.358	0.380	0.356	0.338	13.30
44)	T	2,2,4-Trimethy...			1.355	1.650	1.678	1.580	1.381	1.529	9.90
45)	T	t-1,3-Dichloro...			0.307	0.397	0.451	0.489	0.492	0.427	18.16
46)	T	cis-1,3-Dichlo...			0.368	0.494	0.573	0.559	0.568	0.512	16.93
47)	T	1,1,2-Trichlor...			0.380	0.425	0.406	0.386	0.352	0.390	7.03
48)	T	Dibromochlorom...			0.473	0.520	0.544	0.565	0.504	0.521	6.84
49)	T	Bromoform			0.370	0.455	0.466	0.467	0.406	0.433	9.94
50)	T	4-Methyl-2-Pen...			0.846	1.039	1.098	0.970	0.961	0.983	9.61
51)	T	2-Hexanone			0.497	0.656	0.705	0.863	0.730	0.690	19.18
52)	T	Tetrachloroethene	0.237	0.226	0.245	0.266	0.278	0.265	0.233	0.250	7.86
53)	T	Toluene			0.699	0.847	1.054	1.085	0.961	0.929	17.07
54)	T	1,2-Dibromoethane			0.448	0.512	0.537	0.527	0.479	0.501	7.40
55)	I	Chlorobenzene-d5	-----ISTD-----								
56)		1,1,1,2-Tetrac...			0.443	0.431	0.447	0.397	0.350	0.414	9.80
57)	T	Chlorobenzene			0.796	0.808	0.812	0.714	0.634	0.753	10.29
58)	T	Ethyl Benzene			0.996	1.215	1.329	1.305	1.171	1.203	11.02
59)	T	m/p-Xylene			0.937	1.077	1.118	1.046	0.931	1.022	8.23
60)	T	o-Xylene			0.894	1.090	1.106	1.024	0.909	1.005	9.89
61)	T	Styrene			0.505	0.674	0.783	0.810	0.738	0.702	17.34
62)		Isopropylbenzene			1.324	1.510	1.564	1.451	1.300	1.430	8.04
63)	T	1,1,2,2-Tetrac...	0.912	0.832	0.902	0.927	0.883	0.770	0.686	0.845	10.47
64)		n-propylbenzene			0.332	0.383	0.401	0.385	0.350	0.370	7.53
65)		tert-Butylbenzene			1.104	1.320	1.409	1.218	1.057	1.221	12.00
66)	T	Benzyl Chloride			0.560	0.643	0.798	0.860	0.755	0.723	16.73
67)		sec-Butylbenzene			1.669	1.939	2.069	1.824	1.580	1.816	10.89
68)	S	1-Bromo-4-Fluo...	0.771	0.777	0.769	0.768	0.745	0.771	0.739	0.763	1.94
69)		p-Isopropyltol...			1.179	1.447	1.614	1.439	1.271	1.390	12.16
70)		n-Butylbenzene			1.285	1.609	1.732	1.592	1.402	1.524	11.69
71)		2-Chlorotoluene			0.946	1.149	1.223	1.168	1.047	1.107	9.94
72)	T	4-Ethyltoluene			0.883	1.138	1.258	1.219	1.104	1.120	13.08
73)	T	1,3,5-Trimethy...			0.905	1.094	1.198	1.154	1.037	1.078	10.58
74)	T	1,2,4-Trimethy...			1.062	1.229	1.294	1.153	0.996	1.147	10.55
75)	T	1,3-Dichlorobe...			0.728	0.733	0.757	0.655	0.573	0.689	10.93
76)	T	1,4-Dichlorobe...			0.592	0.684	0.727	0.665	0.595	0.653	8.98
77)	T	1,2-Dichlorobe...			0.643	0.686	0.738	0.645	0.579	0.658	8.91
78)	T	Hexachloro-1,3...			0.251	0.247	0.229	0.196	0.182	0.221	13.85
79)	T	Naphthalene			0.502	0.666	0.825	1.131	1.061	0.837	31.54
80)	T	Naphthalene,2-...			0.042	0.046	0.093	0.491	0.473	0.229	101.34
81)	T	1,2,4-Trichlor...			0.333	0.385	0.461	0.546	0.493	0.443	19.17

(#) = Out of Range