

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

Method File : VL051821AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021

Last Update : Tue May 18 12:00:15 2021

Response Via : Initial Calibration

Calibration Files

0.03=VL036955.D 0.1 =VL036954.D 0.5 =VL036953.D 1 =VL036952.D 2 =VL036951.D 10 =VL036950.D 15 =VL036956.D

Compound		0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----								
2) T	Dichlorodifluo...			2.075	2.025	1.717	1.497	1.169	1.696	22.25
3)	Chlorodifluoro...			1.954	2.027	1.952	1.628	1.598	1.832	11.04
4)	Chloromethane			0.622	0.676	0.674	0.573	0.572	0.623	8.19
5) T	Vinyl Chloride	0.805	0.753	0.622	0.680	0.677	0.616	0.617	0.681	10.80
6) T	Bromomethane			0.398	0.382	0.360	0.333	0.323	0.359	8.86
7)	Chloroethane			0.202	0.217	0.245	0.222	0.220	0.221	6.94
8) T	Dichlorotetra...			1.656	1.803	1.696	1.448	1.361	1.593	11.45
9) T	Propene			0.714	0.702	0.679	0.597	0.588	0.656	9.08
10) T	Heptane			1.727	1.806	1.733	1.468	1.440	1.635	10.30
11) T	Trichlorofluor...			1.612	1.719	1.637	1.467	1.417	1.570	7.96
12) T	1,1,2-Trichlor...			1.176	1.196	1.176	1.037	1.006	1.118	8.00
13)	Ethanol			0.119	0.099	0.091	0.067	0.062	0.088	27.08
14) T	Bromoethene			0.486	0.551	0.510	0.467	0.449	0.493	8.06
15) T	Acetone			1.227	1.230	1.146	0.762	0.755	1.024	23.90
16) T	1,3-Butadiene			0.676	0.660	0.662	0.592	0.591	0.636	6.47
17)	tert-Butyl alc...			1.093	1.004	0.912	0.951	0.731	0.938	14.32
18) T	1,1-Dichloroet...			0.511	0.577	0.554	0.480	0.464	0.517	9.28
19) T	Isopropyl Alcohol			0.726	0.598	0.535	0.492	0.401	0.551	22.04
20) T	Methylene Chlo...			0.657	0.659	0.606	0.422	0.401	0.549	23.25
21) T	Allyl Chloride			0.818	0.820	0.783	0.723	0.720	0.773	6.34
22) T	trans-1,2-Dich...			0.513	0.518	0.519	0.459	0.470	0.496	5.80
23) T	Vinyl Acetate			1.641	1.575	1.777	1.575	1.560	1.626	5.53
24) T	1,1-Dichloroet...			1.136	1.267	1.308	1.133	1.007	1.170	10.26
25) T	Ethyl Acetate			2.590	2.628	2.718	2.200	2.171	2.461	10.40
26) T	Hexane			1.378	1.402	1.371	1.076	1.060	1.257	13.79
27) T	Carbon Disulfide			1.239	1.372	1.325	1.216	1.184	1.267	6.20
28) T	Methyl tert-Bu...			1.583	1.606	1.644	1.414	1.289	1.507	9.98
29) T	Chloroform			1.943	1.834	1.901	1.619	1.585	1.776	9.25
30) T	Cyclohexane			1.142	1.132	1.150	0.969	0.950	1.068	9.36
31) T	cis-1,2-Dichlo...			1.122	1.229	1.184	1.040	1.061	1.127	7.09
32) T	1,1,1-Trichlor...	2.185	2.027	1.895	1.983	1.935	1.682	1.645	1.907	9.99

33) I	1,4-Difluorobenzene	-----ISTD-----								
34) T	2-Butanone			0.345	0.375	0.400	0.342	0.360	0.364	6.53
35) T	Carbon Tetrach...	0.828	0.648	0.669	0.678	0.681	0.583	0.564	0.664	12.91
36) T	Benzene			0.923	0.926	0.932	0.778	0.748	0.861	10.50
37) T	1,2-Dichloroet...			0.445	0.439	0.455	0.400	0.395	0.427	6.44
38) T	Trichloroethene	0.506	0.395	0.362	0.361	0.369	0.301	0.285	0.368	19.58
39) T	1,2-Dichloropr...			0.351	0.356	0.355	0.303	0.294	0.332	9.30

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40)	T	1,4-Dioxane		0.102	0.094	0.079	0.061	0.056	0.078	25.75
41)	T	Tetrahydrofuran		0.232	0.202	0.222	0.191	0.190	0.207	9.04
42)	T	Bromodichlorom...		0.655	0.673	0.709	0.606	0.588	0.646	7.62
43)		Methyl Methacr...		0.298	0.305	0.321	0.285	0.276	0.297	5.85
44)	T	2,2,4-Trimethy...		1.660	1.643	1.617	1.275	1.194	1.478	15.18
45)	T	t-1,3-Dichloro...		0.203	0.228	0.237	0.232	0.234	0.227	6.08
46)	T	cis-1,3-Dichlo...		0.275	0.323	0.331	0.301	0.294	0.305	7.41
47)	T	1,1,2-Trichlor...		0.373	0.362	0.376	0.317	0.309	0.347	9.26
48)	T	Dibromochlorom...		0.546	0.583	0.613	0.544	0.525	0.562	6.31
49)	T	Bromoform		0.409	0.476	0.527	0.462	0.448	0.464	9.31
50)	T	4-Methyl-2-Pen...		0.643	0.594	0.659	0.562	0.546	0.601	8.18
51)	T	2-Hexanone		0.321	0.333	0.324	0.304	0.306	0.318	3.90
52)	T	Tetrachloroethene	0.274 0.416	0.383	0.375	0.363	0.298	0.289	0.343	16.01
53)	T	Toluene		1.127	1.101	1.112	0.908	0.877	1.025	11.91
54)	T	1,2-Dibromoethane		0.501	0.522	0.534	0.463	0.449	0.494	7.47
-----ISTD-----										
55)	I	Chlorobenzene-d5								
56)		1,1,1,2-Tetrac...		0.452	0.457	0.451	0.388	0.355	0.421	10.98
57)	T	Chlorobenzene		0.821	0.868	0.835	0.703	0.650	0.775	12.09
58)	T	Ethyl Benzene		1.584	1.523	1.505	1.288	1.157	1.411	12.81
59)	T	m/p-Xylene		1.290	1.292	1.256	1.053	0.942	1.167	13.69
60)	T	o-Xylene		1.232	1.247	1.189	0.997	0.898	1.113	14.05
61)	T	Styrene		0.632	0.640	0.674	0.613	0.574	0.627	5.87
62)		Isopropylbenzene		1.802	1.776	1.734	1.415	1.269	1.599	15.10
63)	T	1,1,2,2-Tetrac...	1.253 0.814	0.814	0.813	0.805	0.692	0.626	0.831	24.10
64)		n-propylbenzene		0.430	0.437	0.446	0.387	0.362	0.413	8.80
65)		tert-Butylbenzene		1.630	1.603	1.595	1.263	1.125	1.443	16.15
66)	T	Benzyl Chloride		0.072	0.082	0.088	0.082	0.076	0.080	7.88
67)		sec-Butylbenzene		2.171	2.220	2.162	1.744	1.545	1.968	15.48
68)	S	1-Bromo-4-Fluo...	0.729 0.747	0.747	0.743	0.736	0.792	0.766	0.751	2.83
69)		p-Isopropyltol...		1.829	1.894	1.872	1.517	1.351	1.692	14.43
70)		n-Butylbenzene		1.706	1.732	1.761	1.493	1.346	1.608	11.21
71)		2-Chlorotoluene		1.278	1.238	1.238	1.058	0.963	1.155	11.88
72)	T	4-Ethyltoluene		1.383	1.432	1.415	1.250	1.124	1.321	9.94
73)	T	1,3,5-Trimethy...		1.416	1.301	1.329	1.126	1.028	1.240	12.79
74)	T	1,2,4-Trimethy...		1.354	1.439	1.427	1.154	1.037	1.282	13.89
75)	T	1,3-Dichlorobe...		0.859	0.818	0.837	0.728	0.674	0.783	10.09
76)	T	1,4-Dichlorobe...		0.863	0.865	0.849	0.702	0.680	0.792	11.71
77)	T	1,2-Dichlorobe...		0.869	0.855	0.831	0.709	0.658	0.785	12.08
78)	T	Hexachloro-1,3...		0.766	0.710	0.677	0.520	0.481	0.631	19.65
79)	T	Naphthalene		0.816	1.016	1.072	1.076	1.050	1.006	10.80
80)	T	Naphthalene,2-...		0.219	0.201	0.170	0.227	0.277	0.219	17.88
81)	T	1,2,4-Trichlor...		0.587	0.633	0.654	0.606	0.587	0.613	4.81

(#) = Out of Range