

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\

Method File : VL042924AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

Last Update : Tue Apr 30 05:46:58 2024

Response Via : Initial Calibration

Calibration Files

0.03=VL041184.D 0.1 =VL041183.D 0.5 =VL041182.D 1 =VL041181.D 2 =VL041180.D 10 =VL041179.D 15 =VL041185.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.555	1.439	1.326	1.279	1.163	1.353	11.13
3) Chlorodifluoro...			1.612	1.596	1.591	1.413	1.381	1.519	7.36
4) Chloromethane			0.608	0.615	0.644	0.557	0.556	0.596	6.47
5) T Vinyl Chloride	0.643	0.618	0.589	0.597	0.609	0.572	0.564	0.599	4.55
6) T Bromomethane			0.234	0.225	0.217	0.207	0.209	0.218	5.02
7) Chloroethane			0.225	0.222	0.211	0.199	0.201	0.211	5.55
8) T Dichlorotetra...			1.508	1.417	1.467	1.325	1.284	1.400	6.73
9) T Propene			0.662	0.603	0.612	0.551	0.545	0.594	8.12
10) T Heptane			1.593	1.493	1.468	1.344	1.302	1.440	8.15
11) T Trichlorofluor...			1.417	1.406	1.428	1.315	1.308	1.375	4.24
12) T 1,1,2-Trichlor...			1.051	1.093	1.018	0.972	0.950	1.017	5.71
13) Ethanol			0.117	0.133	0.161	0.135	0.120	0.133	13.06
14) T Bromoethene			0.424	0.428	0.442	0.402	0.402	0.420	4.16
15) T Acetone			1.314	1.259	1.316	1.017	0.995	1.180	13.65
16) T 1,3-Butadiene			0.599	0.627	0.590	0.583	0.579	0.596	3.20
17) tert-Butyl alc...			1.122	1.308	1.425	1.317	1.193	1.273	9.24
18) T 1,1-Dichloroet...			0.455	0.444	0.494	0.439	0.434	0.453	5.34
19) T Isopropyl Alcohol			0.672	0.743	0.924	0.810	0.724	0.774	12.50
20) T Methylene Chlo...			0.475	0.419	0.423	0.372	0.363	0.410	10.98
21) T Allyl Chloride			0.825	0.782	0.781	0.729	0.731	0.770	5.25
22) T trans-1,2-Dich...			0.496	0.470	0.475	0.457	0.460	0.471	3.31
23) T Vinyl Acetate			1.311	1.377	1.300	1.266	1.243	1.300	3.93
24) T 1,1-Dichloroet...			1.077	1.039	1.055	0.941	0.941	1.011	6.40
25) T Ethyl Acetate			2.470	2.439	2.479	2.212	2.179	2.356	6.28
26) T Hexane			1.140	1.097	1.109	0.965	0.945	1.051	8.51
27) T Carbon Disulfide			1.296	1.259	1.289	1.213	1.165	1.244	4.40
28) T Methyl tert-Bu...			0.858	0.874	0.862	0.808	0.782	0.837	4.75
29) T Chloroform			1.537	1.472	1.522	1.371	1.349	1.450	5.94
30) T Cyclohexane			0.846	0.859	0.869	0.804	0.784	0.832	4.41
31) T cis-1,2-Dichlo...			0.982	0.997	1.043	0.949	0.949	0.984	3.95
32) T 1,1,1-Trichlor...	1.472	1.309	1.520	1.533	1.534	1.392	1.368	1.447	6.26

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.534	0.551	0.503	0.444	0.512	0.509	7.99
35) T Carbon Tetrach...	0.612	0.489	0.570	0.580	0.582	0.553	0.542	0.561	6.93
36) T Benzene			0.851	0.898	0.878	0.797	0.772	0.839	6.36
37) T 1,2-Dichloroet...			0.439	0.447	0.456	0.426	0.421	0.438	3.35
38) T Trichloroethene	0.377	0.319	0.298	0.322	0.315	0.283	0.275	0.313	10.69
39) T 1,2-Dichloropr...			0.323	0.340	0.337	0.311	0.305	0.323	4.77

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40)	T	1,4-Dioxane		0.089	0.122	0.143	0.116	0.108	0.116	17.14
41)	T	Tetrahydrofuran		0.400	0.363	0.376	0.353	0.349	0.368	5.58
42)	T	Bromodichlorom...		0.593	0.648	0.667	0.622	0.609	0.628	4.77
43)		Methyl Methacr...		0.329	0.356	0.357	0.334	0.320	0.339	4.90
44)	T	2,2,4-Trimethy...		1.506	1.545	1.541	1.355	1.288	1.447	8.16
45)	T	t-1,3-Dichloro...		0.213	0.240	0.253	0.266	0.258	0.246	8.47
46)	T	cis-1,3-Dichlo...		0.292	0.301	0.316	0.301	0.296	0.301	2.99
47)	T	1,1,2-Trichlor...		0.332	0.334	0.339	0.310	0.303	0.324	4.95
48)	T	Dibromochlorom...		0.478	0.524	0.555	0.519	0.503	0.516	5.46
49)	T	Bromoform		0.386	0.444	0.475	0.451	0.438	0.439	7.44
50)	T	4-Methyl-2-Pen...		0.901	0.985	1.001	0.859	0.822	0.913	8.52
51)	T	2-Hexanone		0.700	0.698	0.743	0.630	0.616	0.678	7.82
52)	T	Tetrachloroethene	0.317 0.281	0.302	0.308	0.311	0.277	0.269	0.295	6.42
53)	T	Toluene		0.992	1.022	1.039	0.923	0.890	0.973	6.59
54)	T	1,2-Dibromoethane	0.425	0.445	0.444	0.465	0.429	0.423	0.438	3.68
-----ISTD-----										
55)	I	Chlorobenzene-d5								
56)		1,1,1,2-Tetrac...		0.402	0.430	0.432	0.393	0.370	0.405	6.43
57)	T	Chlorobenzene		0.792	0.772	0.769	0.678	0.651	0.732	8.63
58)	T	Ethyl Benzene		1.466	1.496	1.438	1.253	1.203	1.371	9.73
59)	T	m/p-Xylene		1.239	1.263	1.214	1.044	1.001	1.152	10.46
60)	T	o-Xylene		1.190	1.173	1.122	0.981	0.936	1.080	10.67
61)	T	Styrene		0.604	0.590	0.583	0.546	0.530	0.571	5.47
62)		Isopropylbenzene		1.756	1.760	1.709	1.459	1.395	1.616	10.85
63)	T	1,1,2,2-Tetrac...	0.745 0.673	0.820	0.777	0.788	0.687	0.665	0.736	8.41
64)		n-propylbenzene		0.405	0.438	0.426	0.378	0.369	0.403	7.40
65)		tert-Butylbenzene		1.617	1.607	1.538	1.267	1.207	1.447	13.49
66)	T	Benzyl Chloride		0.146	0.160	0.174	0.178	0.162	0.164	7.62
67)		sec-Butylbenzene		2.278	2.222	2.174	1.802	1.711	2.037	12.81
68)	S	1-Bromo-4-Fluo...	0.767 0.767	0.756	0.750	0.740	0.754	0.750	0.755	1.28
69)		p-Isopropyltol...		1.860	1.812	1.807	1.487	1.429	1.679	12.14
70)		n-Butylbenzene		1.845	1.955	1.896	1.566	1.505	1.753	11.61
71)		2-Chlorotoluene		1.288	1.349	1.303	1.128	1.083	1.230	9.51
72)	T	4-Ethyltoluene		1.250	1.305	1.280	1.159	1.125	1.224	6.36
73)	T	1,3,5-Trimethy...		1.146	1.225	1.165	1.024	0.975	1.107	9.37
74)	T	1,2,4-Trimethy...		1.291	1.299	1.306	1.097	1.052	1.209	10.24
75)	T	1,3-Dichlorobe...		0.743	0.708	0.734	0.647	0.634	0.693	7.21
76)	T	1,4-Dichlorobe...		0.667	0.702	0.701	0.643	0.621	0.667	5.36
77)	T	1,2-Dichlorobe...		0.752	0.754	0.724	0.623	0.613	0.693	10.05
78)	T	Hexachloro-1,3...		0.693	0.714	0.690	0.496	0.488	0.616	18.45
79)	T	Naphthalene	0.804	1.125	1.347	1.422	1.097	1.114	1.151	18.94
80)	T	Naphthalene,2-...		0.424	0.486	0.602	0.378	0.426	0.463	18.71
81)	T	1,2,4-Trichlor...		0.605	0.628	0.697	0.555	0.555	0.608	9.67

(#) = Out of Range