

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

Method File : VL111822AIR.M

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

Last Update : Fri Nov 18 14:05:14 2022

Response Via : Initial Calibration

Calibration Files

0.03=VL039901.D 0.1 =VL039900.D 0.5 =VL039899.D 1 =VL039898.D 2 =VL039897.D 10 =VL039896.D 15 =VL039902.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			2.126	1.570	1.271	1.065	1.129	1.432	30.31
3) Chlorodifluoro...			1.428	1.448	1.414	1.303	1.306	1.380	5.07
4) Chloromethane			0.895	0.912	0.887	0.875	0.839	0.882	3.12
5) T Vinyl Chloride	0.568	0.621	0.675	0.715	0.768	0.751	0.726	0.689	10.51
6) T Bromomethane			0.210	0.239	0.238	0.239	0.249	0.235	6.35
7) Chloroethane			0.291	0.269	0.260	0.269	0.273	0.272	4.14
8) T Dichlorotetra...			1.718	1.726	1.681	1.534	1.518	1.635	6.20
9) T Propene			0.713	0.679	0.631	0.643	0.584	0.650	7.51
10) T Heptane			1.492	1.656	1.611	1.545	1.539	1.568	4.11
11) T Trichlorofluor...			1.748	1.807	1.750	1.680	1.750	1.747	2.57
12) T 1,1,2-Trichlor...			1.303	1.375	1.328	1.277	1.328	1.322	2.73
13) Ethanol			0.053	0.054	0.054	0.044	0.043	0.050#	11.52
14) T Bromoethene			0.487	0.492	0.526	0.530	0.543	0.516	4.81
15) T Acetone			1.286	1.453	1.385	1.265	1.242	1.326	6.74
16) T 1,3-Butadiene			0.587	0.660	0.697	0.702	0.660	0.661	6.95
17) tert-Butyl alc...			1.507	1.626	1.461	1.572	1.460	1.525	4.77
18) T 1,1-Dichloroet...			0.599	0.600	0.619	0.594	0.604	0.603	1.56
19) T Isopropyl Alcohol			0.731	0.714	0.681	0.752	0.713	0.718	3.65
20) T Methylene Chlo...			0.725	0.753	0.730	0.503	0.502	0.643	19.95
21) T Allyl Chloride			0.830	0.917	0.956	0.949	0.949	0.920	5.73
22) T trans-1,2-Dich...			0.611	0.598	0.609	0.615	0.633	0.613	2.07
23) T Vinyl Acetate			0.555	0.525	0.520	0.554	0.570	0.545	3.94
24) T 1,1-Dichloroet...			1.339	1.324	1.318	1.290	1.298	1.314	1.51
25) T Ethyl Acetate			2.386	2.557	2.441	2.422	2.370	2.435	3.02
26) T Hexane			1.038	1.110	1.119	1.032	1.021	1.064	4.36
27) T Carbon Disulfide			1.049	1.199	1.442	1.529	1.496	1.343	15.59
28) T Methyl tert-Bu...			1.296	1.385	1.361	1.317	1.301	1.332	2.94
29) T Chloroform			1.644	1.494	0.918	1.493	1.520	1.414	20.07
30) T Cyclohexane			1.075	1.047	1.046	1.009	1.043	1.044	2.22
31) T cis-1,2-Dichlo...			0.935	0.960	0.978	1.023	1.019	0.983	3.83
32) T 1,1,1-Trichlor...	1.940	1.494	1.686	1.769	1.811	1.761	1.899	1.766	8.35

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.442	0.450	0.505	0.513	0.482	0.478	6.61
35) T Carbon Tetrach...	0.559	0.472	0.525	0.570	0.599	0.623	0.627	0.568	9.77
36) T Benzene			0.812	0.879	0.881	0.864	0.814	0.850	4.05
37) T 1,2-Dichloroet...			0.447	0.459	0.475	0.473	0.475	0.466	2.67
38) T Trichloroethene	0.566	0.413	0.456	0.488	0.473	0.473	0.457	0.475	9.76
39) T 1,2-Dichloropr...			0.328	0.334	0.338	0.341	0.317	0.331	2.88

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40)	T	1,4-Dioxane		0.128	0.136	0.131	0.132	0.132	0.132	2.11
41)	T	Tetrahydrofuran		0.309	0.329	0.336	0.358	0.319	0.330	5.68
42)	T	Bromodichlorom...		0.538	0.609	0.650	0.688	0.673	0.632	9.54
43)		Methyl Methacr...		0.297	0.328	0.343	0.360	0.339	0.333	6.94
44)	T	2,2,4-Trimethy...		1.431	1.452	1.496	1.418	1.298	1.419	5.22
45)	T	t-1,3-Dichloro...		0.243	0.262	0.305	0.373	0.356	0.308	18.47
46)	T	cis-1,3-Dichlo...		0.366	0.395	0.437	0.477	0.457	0.427	10.59
47)	T	1,1,2-Trichlor...		0.334	0.344	0.346	0.344	0.334	0.340	1.62
48)	T	Dibromochlorom...		0.362	0.458	0.523	0.576	0.573	0.499	18.05
49)	T	Bromoform		0.279	0.346	0.419	0.499	0.474	0.404	22.55
50)	T	4-Methyl-2-Pen...		0.784	0.855	0.905	0.904	0.837	0.857	5.91
51)	T	2-Hexanone		0.607	0.639	0.690	0.720	0.671	0.665	6.62
52)	T	Tetrachloroethene	0.386 0.300	0.295	0.318	0.317	0.313	0.297	0.318	9.94
53)	T	Toluene		0.923	0.999	1.009	0.983	0.928	0.968	4.16
54)	T	1,2-Dibromoethane	0.311	0.328	0.370	0.381	0.394	0.396	0.363	9.83
-----ISTD-----										
55)	I	Chlorobenzene-d5								
56)		1,1,1,2-Tetrac...		0.389	0.394	0.425	0.421	0.414	0.409	3.92
57)	T	Chlorobenzene		0.763	0.798	0.785	0.751	0.726	0.765	3.73
58)	T	Ethyl Benzene		1.379	1.425	1.392	1.331	1.257	1.357	4.81
59)	T	m/p-Xylene		1.154	1.187	1.189	1.102	1.044	1.135	5.45
60)	T	o-Xylene		1.074	1.152	1.122	1.057	1.009	1.083	5.18
61)	T	Styrene		0.593	0.650	0.664	0.674	0.650	0.646	4.85
62)		Isopropylbenzene		1.606	1.627	1.639	1.503	1.433	1.562	5.75
63)	T	1,1,2,2-Tetrac...	0.502 0.331	0.344	0.277	0.363	0.363	0.351	0.362	18.97
64)		n-propylbenzene		0.407	0.422	0.410	0.408	0.396	0.408	2.28
65)		tert-Butylbenzene		1.384	1.455	1.434	1.307	1.250	1.366	6.30
66)	T	Benzyl Chloride		0.087	0.097	0.114	0.153	0.133	0.117	23.02
67)		sec-Butylbenzene		1.908	2.001	1.995	1.794	1.693	1.878	7.09
68)	S	1-Bromo-4-Fluo...	0.793 0.779	0.763	0.761	0.751	0.754	0.747	0.764	2.16
69)		p-Isopropyltol...		1.568	1.628	1.634	1.489	1.417	1.547	6.01
70)		n-Butylbenzene		1.534	1.580	1.644	1.488	1.423	1.534	5.52
71)		2-Chlorotoluene		1.232	1.211	1.218	1.153	1.104	1.184	4.52
72)	T	4-Ethyltoluene		1.140	1.257	1.273	1.234	1.181	1.217	4.56
73)	T	1,3,5-Trimethy...		1.155	1.115	1.154	1.090	1.058	1.114	3.75
74)	T	1,2,4-Trimethy...		1.162	1.253	1.231	1.152	1.101	1.180	5.23
75)	T	1,3-Dichlorobe...		0.613	0.681	0.698	0.674	0.653	0.664	4.88
76)	T	1,4-Dichlorobe...		0.665	0.659	0.657	0.669	0.640	0.658	1.72
77)	T	1,2-Dichlorobe...		0.656	0.636	0.655	0.636	0.616	0.640	2.59
78)	T	Hexachloro-1,3...		0.476	0.477	0.483	0.402	0.382	0.444	10.76
79)	T	Naphthalene	0.509	0.643	0.720	0.828	0.767	0.770	0.706	16.21
80)	T	Naphthalene,2-...		0.151	0.167	0.218	0.203	0.254	0.199	20.58
81)	T	1,2,4-Trichlor...		0.403	0.447	0.469	0.436	0.425	0.436	5.59

(#) = Out of Range