

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

Method File : VL110222AIR.M

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

Last Update : Thu Nov 03 09:27:12 2022

Response Via : Initial Calibration

Calibration Files

0.03=VL039815.D 0.1 =VL039814.D 0.5 =VL039813.D 1 =VL039812.D 2 =VL039811.D 10 =VL039810.D 15 =VL039816.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.748	1.905	1.694	1.541	1.554	1.688	8.90
3) Chlorodifluoro...			1.229	1.210	1.168	1.219	1.134	1.192	3.35
4) Chloromethane			0.721	0.747	0.755	0.768	0.720	0.742	2.88
5) T Vinyl Chloride	0.615	0.571	0.580	0.587	0.582	0.663	0.609	0.601	5.25
6) T Bromomethane			0.224	0.203	0.207	0.226	0.212	0.214	4.67
7) Chloroethane			0.237	0.225	0.211	0.235	0.217	0.225	5.00
8) T Dichlorotetra...			1.408	1.488	1.454	1.455	1.390	1.439	2.76
9) T Propene			0.649	0.662	0.588	0.626	0.581	0.621	5.78
10) T Heptane			1.402	1.593	1.487	1.529	1.430	1.488	5.15
11) T Trichlorofluor...			1.392	1.395	1.350	1.414	1.334	1.377	2.43
12) T 1,1,2-Trichlor...			0.943	1.022	0.991	1.049	0.967	0.994	4.25
13) Ethanol			0.039	0.053	0.054	0.039	0.036	0.044#	19.45
14) T Bromoethene			0.438	0.463	0.435	0.463	0.428	0.445	3.65
15) T Acetone			1.381	1.287	1.310	1.083	1.025	1.217	12.71
16) T 1,3-Butadiene			0.534	0.549	0.569	0.596	0.581	0.566	4.35
17) tert-Butyl alc...			1.128	1.136	1.128	1.269	1.135	1.159	5.30
18) T 1,1-Dichloroet...			0.449	0.459	0.448	0.480	0.443	0.456	3.20
19) T Isopropyl Alcohol			0.637	0.536	0.596	0.648	0.596	0.602	7.27
20) T Methylene Chlo...			0.513	0.458	0.402	0.420	0.385	0.435	11.72
21) T Allyl Chloride			0.799	0.720	0.738	0.834	0.759	0.770	6.03
22) T trans-1,2-Dich...			0.423	0.456	0.462	0.496	0.476	0.463	5.79
23) T Vinyl Acetate			0.430	0.569	0.475	0.486	0.464	0.485	10.66
24) T 1,1-Dichloroet...			0.956	1.014	0.979	1.028	0.976	0.990	2.98
25) T Ethyl Acetate			2.329	2.595	2.553	2.630	2.429	2.507	4.99
26) T Hexane			1.109	1.200	1.093	1.125	1.062	1.118	4.62
27) T Carbon Disulfide			1.025	1.120	1.209	1.300	1.216	1.174	8.92
28) T Methyl tert-Bu...			0.985	1.045	0.994	1.042	0.995	1.012	2.85
29) T Chloroform			1.547	1.532	1.565	1.646	1.569	1.572	2.80
30) T Cyclohexane			0.932	0.952	0.934	0.951	0.904	0.935	2.08
31) T cis-1,2-Dichlo...			0.947	1.008	1.016	1.076	1.049	1.019	4.79
32) T 1,1,1-Trichlor...	1.660	1.355	1.548	1.558	1.597	1.657	1.578	1.565	6.56

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.417	0.392	0.409	0.436	0.409	0.413	3.92
35) T Carbon Tetrach...	0.586	0.482	0.592	0.602	0.611	0.628	0.580	0.583	8.16
36) T Benzene			0.819	0.861	0.845	0.879	0.814	0.844	3.30
37) T 1,2-Dichloroet...			0.375	0.390	0.405	0.439	0.416	0.405	6.08
38) T Trichloroethene	0.490	0.385	0.455	0.478	0.455	0.469	0.428	0.452	7.89
39) T 1,2-Dichloropr...			0.338	0.323	0.328	0.341	0.313	0.329	3.36

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40)	T	1,4-Dioxane		0.123	0.119	0.126	0.138	0.123	0.126	5.69
41)	T	Tetrahydrofuran		0.342	0.352	0.330	0.361	0.339	0.345	3.43
42)	T	Bromodichlorom...		0.621	0.647	0.652	0.686	0.626	0.646	4.00
43)		Methyl Methacr...		0.330	0.318	0.329	0.358	0.331	0.333	4.40
44)	T	2,2,4-Trimethy...		1.440	1.470	1.454	1.447	1.308	1.424	4.61
45)	T	t-1,3-Dichloro...		0.262	0.306	0.307	0.373	0.349	0.319	13.48
46)	T	cis-1,3-Dichlo...		0.384	0.420	0.439	0.488	0.449	0.436	8.73
47)	T	1,1,2-Trichlor...		0.332	0.336	0.328	0.345	0.323	0.333	2.44
48)	T	Dibromochlorom...		0.528	0.558	0.584	0.604	0.561	0.567	5.03
49)	T	Bromoform		0.403	0.451	0.472	0.500	0.453	0.456	7.71
50)	T	4-Methyl-2-Pen...		0.810	0.835	0.861	0.891	0.825	0.845	3.79
51)	T	2-Hexanone		0.601	0.647	0.666	0.714	0.665	0.659	6.19
52)	T	Tetrachloroethene	0.400 0.272	0.313	0.319	0.314	0.315	0.280	0.316	13.15
53)	T	Toluene		0.970	0.970	0.974	1.003	0.921	0.968	3.04
54)	T	1,2-Dibromoethane	0.299	0.372	0.375	0.372	0.410	0.388	0.369	10.16
-----ISTD-----										
55)	I	Chlorobenzene-d5								
56)		1,1,1,2-Tetrac...		0.439	0.437	0.426	0.438	0.398	0.428	4.03
57)	T	Chlorobenzene		0.790	0.767	0.755	0.778	0.703	0.759	4.46
58)	T	Ethyl Benzene		1.355	1.398	1.357	1.388	1.263	1.352	3.93
59)	T	m/p-Xylene		1.181	1.168	1.142	1.134	1.018	1.129	5.71
60)	T	o-Xylene		1.111	1.092	1.075	1.085	0.984	1.069	4.62
61)	T	Styrene		0.631	0.663	0.639	0.703	0.654	0.658	4.30
62)		Isopropylbenzene		1.583	1.633	1.609	1.567	1.407	1.560	5.71
63)	T	1,1,2,2-Tetrac...	0.511 0.347	0.384	0.406	0.393	0.389	0.358	0.398	13.47
64)		n-propylbenzene		0.423	0.423	0.422	0.428	0.390	0.417	3.72
65)		tert-Butylbenzene		1.413	1.456	1.428	1.349	1.202	1.370	7.42
66)	T	Benzyl Chloride		0.147	0.141	0.160	0.186	0.162	0.159	10.89
67)		sec-Butylbenzene		1.909	1.931	1.931	1.875	1.676	1.864	5.79
68)	S	1-Bromo-4-Fluo...	0.759 0.756	0.751	0.748	0.740	0.748	0.738	0.748	1.04
69)		p-Isopropyltol...		1.574	1.600	1.614	1.560	1.385	1.546	5.99
70)		n-Butylbenzene		1.456	1.570	1.536	1.527	1.386	1.495	4.93
71)		2-Chlorotoluene		1.207	1.194	1.190	1.195	1.073	1.172	4.75
72)	T	4-Ethyltoluene		1.179	1.222	1.207	1.269	1.143	1.204	3.92
73)	T	1,3,5-Trimethy...		1.064	1.034	1.105	1.122	1.013	1.067	4.33
74)	T	1,2,4-Trimethy...		1.132	1.168	1.179	1.156	1.036	1.134	5.10
75)	T	1,3-Dichlorobe...		0.645	0.684	0.667	0.693	0.623	0.662	4.31
76)	T	1,4-Dichlorobe...		0.667	0.662	0.637	0.672	0.611	0.650	3.94
77)	T	1,2-Dichlorobe...		0.613	0.624	0.645	0.650	0.590	0.624	3.90
78)	T	Hexachloro-1,3...		0.507	0.519	0.501	0.418	0.368	0.462	14.37
79)	T	Naphthalene	0.655	0.814	0.900	0.935	0.852	0.791	0.825	11.95
80)	T	Naphthalene,2-...		0.275	0.357	0.397	0.375	0.343	0.350	13.23
81)	T	1,2,4-Trichlor...		0.475	0.476	0.485	0.456	0.415	0.461	6.09

(#) = Out of Range