

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

Method File : VL071023AIR.M

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

Last Update : Mon Jul 10 16:32:00 2023

Response Via : Initial Calibration

Calibration Files

0.03=VL040511.D 0.1 =VL040510.D 0.5 =VL040509.D 1 =VL040508.D 2 =VL040507.D 10 =VL040506.D 15 =VL040512.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			2.172	2.074	1.994	1.825	1.936	2.000	6.60
3) Chlorodifluoro...			1.708	1.676	1.636	1.467	1.438	1.585	7.82
4) Chloromethane			0.653	0.682	0.640	0.596	0.568	0.628	7.24
5) T Vinyl Chloride	0.645	0.665	0.701	0.674	0.695	0.605	0.629	0.659	5.30
6) T Bromomethane			0.304	0.286	0.268	0.255	0.277	0.278	6.68
7) Chloroethane			0.235	0.249	0.242	0.216	0.214	0.231	6.70
8) T Dichlorotetra...			1.748	1.753	1.654	1.523	1.550	1.646	6.54
9) T Propene			0.596	0.582	0.579	0.510	0.446	0.543	11.66
10) T Heptane			1.044	1.239	1.300	1.237	1.171	1.198	8.13
11) T Trichlorofluor...			1.683	1.657	1.621	1.459	1.650	1.614	5.53
12) T 1,1,2-Trichlor...			1.195	1.176	1.124	1.043	1.145	1.137	5.19
13) Ethanol			0.130	0.139	0.133	0.099	0.089	0.118	18.78
14) T Bromoethene			0.481	0.498	0.499	0.463	0.503	0.489	3.41
15) T Acetone			1.301	1.191	1.152	1.034	1.078	1.151	9.03
16) T 1,3-Butadiene			0.600	0.571	0.589	0.574	0.570	0.581	2.25
17) tert-Butyl alc...			1.228	1.338	1.172	1.165	1.051	1.191	8.75
18) T 1,1-Dichloroet...			0.554	0.521	0.521	0.488	0.529	0.523	4.52
19) T Isopropyl Alcohol			0.615	0.752	0.689	0.659	0.589	0.661	9.64
20) T Methylene Chlo...			0.581	0.513	0.499	0.408	0.446	0.490	13.53
21) T Allyl Chloride			0.713	0.663	0.654	0.634	0.623	0.657	5.29
22) T trans-1,2-Dich...			0.522	0.484	0.510	0.506	0.555	0.516	5.07
23) T Vinyl Acetate			1.068	1.076	1.059	1.134	1.146	1.097	3.69
24) T 1,1-Dichloroet...			1.158	1.180	1.121	1.034	1.073	1.113	5.39
25) T Ethyl Acetate			2.140	2.284	2.318	2.149	2.065	2.191	4.84
26) T Hexane			0.986	1.112	1.100	0.986	0.907	1.018	8.51
27) T Carbon Disulfide			1.051	1.158	1.194	1.256	1.330	1.198	8.76
28) T Methyl tert-Bu...			0.801	0.879	0.832	0.796	0.790	0.820	4.52
29) T Chloroform			1.730	1.806	1.701	1.586	1.621	1.689	5.17
30) T Cyclohexane			0.868	0.835	0.917	0.837	0.778	0.847	5.99
31) T cis-1,2-Dichlo...			1.010	1.009	1.028	1.018	0.966	1.006	2.37
32) T 1,1,1-Trichlor...	1.619	1.657	1.687	1.705	1.657	1.577	1.664	1.652	2.59

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.442	0.502	0.526	0.492	0.509	0.494	6.45
35) T Carbon Tetrach...	0.517	0.571	0.605	0.606	0.615	0.598	0.701	0.602	9.14
36) T Benzene			0.780	0.819	0.847	0.791	0.786	0.805	3.50
37) T 1,2-Dichloroet...			0.465	0.471	0.479	0.438	0.515	0.473	5.89
38) T Trichloroethene	0.250	0.265	0.311	0.337	0.331	0.313	0.324	0.304	11.08
39) T 1,2-Dichloropr...			0.315	0.310	0.313	0.305	0.306	0.310	1.48

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\ Method File : VL071023AIR.M										
40)	T	1,4-Dioxane		0.093	0.093	0.106	0.095	0.098	0.097	5.49
41)	T	Tetrahydrofuran		0.268	0.284	0.303	0.293	0.293	0.288	4.66
42)	T	Bromodichlorom...		0.602	0.656	0.659	0.645	0.730	0.658	6.99
43)		Methyl Methacr...		0.255	0.284	0.313	0.322	0.333	0.301	10.43
44)	T	2,2,4-Trimethy...		1.201	1.327	1.384	1.278	1.283	1.295	5.21
45)	T	t-1,3-Dichloro...		0.148	0.165	0.183	0.226	0.244	0.193	21.16
46)	T	cis-1,3-Dichlo...		0.192	0.224	0.258	0.277	0.288	0.248	15.89
47)	T	1,1,2-Trichlor...		0.341	0.339	0.352	0.330	0.347	0.342	2.48
48)	T	Dibromochlorom...		0.450	0.494	0.529	0.554	0.615	0.528	11.76
49)	T	Bromoform		0.323	0.378	0.417	0.461	0.516	0.419	17.72
50)	T	4-Methyl-2-Pen...		0.599	0.712	0.747	0.743	0.790	0.718	10.06
51)	T	2-Hexanone		0.390	0.462	0.521	0.566	0.599	0.508	16.52
52)	T	Tetrachloroethene	0.203 0.226	0.253	0.275	0.292	0.284	0.289	0.261	13.16
53)	T	Toluene		0.712	0.876	0.935	0.922	0.925	0.874	10.71
54)	T	1,2-Dibromoethane	0.329	0.405	0.424	0.453	0.453	0.484	0.425	12.71
-----ISTD-----										
55)	I	Chlorobenzene-d5								
56)		1,1,1,2-Tetrac...		0.454	0.458	0.443	0.424	0.461	0.448	3.31
57)	T	Chlorobenzene		0.755	0.839	0.802	0.747	0.757	0.780	5.08
58)	T	Ethyl Benzene		1.048	1.271	1.343	1.296	1.318	1.255	9.47
59)	T	m/p-Xylene		1.006	1.165	1.177	1.096	1.157	1.120	6.36
60)	T	o-Xylene		0.934	1.105	1.124	1.045	1.127	1.067	7.63
61)	T	Styrene		0.346	0.456	0.522	0.565	0.572	0.492	19.09
62)		Isopropylbenzene		1.472	1.670	1.669	1.552	1.632	1.599	5.36
63)	T	1,1,2,2-Tetrac...	0.640 0.690	0.777	0.804	0.805	0.724	0.792	0.747	8.59
64)		n-propylbenzene		0.363	0.421	0.436	0.416	0.432	0.414	7.13
65)		tert-Butylbenzene		1.254	1.458	1.520	1.382	1.466	1.416	7.29
66)	T	Benzyl Chloride		0.089	0.087	0.089	0.109	0.126	0.100	17.21
67)		sec-Butylbenzene		1.915	2.172	2.219	1.987	2.109	2.080	6.11
68)	S	1-Bromo-4-Fluo...	0.814 0.802	0.800	0.774	0.751	0.765	0.834	0.791	3.73
69)		p-Isopropyltol...		1.518	1.789	1.844	1.688	1.757	1.719	7.32
70)		n-Butylbenzene		1.710	2.001	2.042	1.852	1.981	1.917	7.08
71)		2-Chlorotoluene		1.094	1.258	1.296	1.215	1.300	1.233	6.89
72)	T	4-Ethyltoluene		1.039	1.237	1.343	1.282	1.354	1.251	10.22
73)	T	1,3,5-Trimethy...		0.921	1.117	1.176	1.113	1.186	1.103	9.70
74)	T	1,2,4-Trimethy...		1.143	1.347	1.370	1.228	1.339	1.285	7.51
75)	T	1,3-Dichlorobe...		0.774	0.791	0.789	0.747	0.794	0.779	2.50
76)	T	1,4-Dichlorobe...		0.770	0.753	0.769	0.744	0.784	0.764	2.06
77)	T	1,2-Dichlorobe...		0.669	0.796	0.772	0.725	0.763	0.745	6.65
78)	T	Hexachloro-1,3...		0.717	0.748	0.725	0.633	0.676	0.700	6.47
79)	T	Naphthalene	0.512	0.867	1.148	1.287	1.302	1.409	1.088	31.14
80)	T	Naphthalene,2- ...		0.194	0.342	0.491	0.597	0.618	0.448	40.02
81)	T	1,2,4-Trichlor...		0.622	0.739	0.803	0.763	0.821	0.749	10.43

(#) = Out of Range