

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

Method File : VL031523AIR.M

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

Last Update : Wed Mar 15 16:14:43 2023

Response Via : Initial Calibration

Calibration Files

0.03=VL040284.D 0.1 =VL040283.D 0.5 =VL040282.D 1 =VL040281.D 2 =VL040280.D 10 =VL040279.D 15 =VL040285.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			2.388	2.226	2.230	1.291	1.675	1.962	23.59
3) Chlorodifluoro...			1.360	1.365	1.379	1.119	1.065	1.257	12.12
4) Chloromethane			0.789	0.846	0.860	0.710	0.677	0.776	10.46
5) T Vinyl Chloride	0.690	0.515	0.620	0.671	0.718	0.602	0.585	0.629	11.05
6) T Bromomethane			0.215	0.227	0.248	0.202	0.199	0.218	9.12
7) Chloroethane			0.243	0.253	0.260	0.228	0.223	0.241	6.47
8) T Dichlorotetra...			1.837	1.793	1.792	1.518	1.458	1.679	10.54
9) T Propene			0.512	0.525	0.510	0.425	0.437	0.482	9.76
10) T Heptane			1.074	1.149	1.271	1.162	1.138	1.159	6.14
11) T Trichlorofluor...			1.873	1.848	1.950	1.663	1.553	1.778	9.22
12) T 1,1,2-Trichlor...			1.398	1.404	1.453	1.250	1.169	1.335	8.96
13) Ethanol			0.043	0.040	0.038	0.030	0.025	0.035#	20.85
14) T Bromoethene			0.500	0.494	0.534	0.491	0.471	0.498	4.64
15) T Acetone			1.295	1.294	1.400	1.083	1.015	1.217	13.25
16) T 1,3-Butadiene			0.535	0.544	0.623	0.538	0.527	0.553	7.12
17) tert-Butyl alc...			1.239	1.271	1.157	1.185	0.933	1.157	11.47
18) T 1,1-Dichloroet...			0.546	0.613	0.649	0.545	0.511	0.573	9.85
19) T Isopropyl Alcohol			0.624	0.652	0.636	0.549	0.455	0.583	14.03
20) T Methylene Chlo...			0.597	0.529	0.551	0.451	0.433	0.512	13.49
21) T Allyl Chloride			0.746	0.800	0.892	0.774	0.732	0.789	8.02
22) T trans-1,2-Dich...			0.568	0.610	0.612	0.571	0.553	0.583	4.55
23) T Vinyl Acetate			0.337	0.340	0.338	0.334	0.344	0.339	1.03
24) T 1,1-Dichloroet...			1.259	1.256	1.330	1.131	1.064	1.208	8.92
25) T Ethyl Acetate			2.346	2.402	2.514	2.062	2.072	2.279	8.89
26) T Hexane			0.972	0.974	1.004	0.855	0.873	0.936	7.15
27) T Carbon Disulfide			1.146	1.269	1.424	1.366	1.329	1.307	8.14
28) T Methyl tert-Bu...			1.109	1.103	1.187	1.012	0.961	1.074	8.26
29) T Chloroform			1.762	1.777	1.817	1.385	1.521	1.652	11.47
30) T Cyclohexane			0.686	0.710	0.796	0.761	0.734	0.737	5.85
31) T cis-1,2-Dichlo...			0.898	0.884	1.002	0.864	0.907	0.911	5.84
32) T 1,1,1-Trichlor...	1.450	1.335	1.667	1.715	1.806	1.582	1.524	1.583	10.22

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.474	0.505	0.556	0.475	0.457	0.494	7.87
35) T Carbon Tetrach...	0.595	0.545	0.612	0.664	0.691	0.645	0.641	0.628	7.66
36) T Benzene			0.739	0.785	0.818	0.734	0.734	0.762	4.98
37) T 1,2-Dichloroet...			0.504	0.510	0.520	0.473	0.473	0.496	4.38
38) T Trichloroethene	0.335	0.364	0.405	0.436	0.466	0.455	0.455	0.416	12.19
39) T 1,2-Dichloropr...			0.305	0.301	0.318	0.286	0.285	0.299	4.65

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40)	T	1,4-Dioxane			0.123	0.121	0.118	0.120	0.110	0.118	4.23
41)	T	Tetrahydrofuran			0.256	0.291	0.316	0.279	0.281	0.285	7.60
42)	T	Bromodichlorom...			0.639	0.677	0.723	0.675	0.675	0.678	4.38
43)		Methyl Methacr...			0.236	0.273	0.303	0.299	0.305	0.283	10.47
44)	T	2,2,4-Trimethy...			1.207	1.317	1.380	1.230	1.219	1.271	5.89
45)	T	t-1,3-Dichloro...			0.181	0.203	0.251	0.290	0.309	0.247	22.22
46)	T	cis-1,3-Dichlo...			0.268	0.330	0.360	0.388	0.407	0.351	15.52
47)	T	1,1,2-Trichlor...			0.306	0.327	0.337	0.310	0.315	0.319	3.96
48)	T	Dibromochlorom...			0.456	0.506	0.557	0.548	0.558	0.525	8.41
49)	T	Bromoform			0.323	0.362	0.420	0.428	0.438	0.394	12.65
50)	T	4-Methyl-2-Pen...			0.672	0.772	0.833	0.770	0.772	0.764	7.59
51)	T	2-Hexanone			0.486	0.591	0.654	0.613	0.614	0.592	10.71
52)	T	Tetrachloroethene	0.168	0.207	0.227	0.250	0.256	0.250	0.256	0.231	14.31
53)	T	Toluene			0.647	0.775	0.867	0.845	0.859	0.799	11.51
54)	T	1,2-Dibromoethane		0.271	0.303	0.338	0.354	0.348	0.356	0.328	10.49
-----ISTD-----											
55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.415	0.442	0.461	0.380	0.405	0.421	7.57
57)	T	Chlorobenzene			0.705	0.764	0.757	0.640	0.691	0.711	7.16
58)	T	Ethyl Benzene			0.926	1.158	1.273	1.125	1.211	1.139	11.52
59)	T	m/p-Xylene			0.946	1.085	1.147	0.991	1.048	1.043	7.54
60)	T	o-Xylene			0.890	1.027	1.097	0.955	1.017	0.997	7.83
61)	T	Styrene			0.375	0.472	0.547	0.540	0.596	0.506	16.87
62)		Isopropylbenzene			1.317	1.495	1.567	1.326	1.395	1.420	7.66
63)	T	1,1,2,2-Tetrac...	0.337	0.323	0.378	0.396	0.401	0.297	0.324	0.351	11.51
64)		n-propylbenzene			0.321	0.355	0.366	0.332	0.363	0.347	5.73
65)		tert-Butylbenzene			1.108	1.285	1.382	1.139	1.205	1.224	9.10
66)	T	Benzyl Chloride			0.074	0.079	0.077	0.077	0.091	0.080	8.25
67)		sec-Butylbenzene			1.593	1.872	1.988	1.613	1.684	1.750	9.87
68)	S	1-Bromo-4-Fluo...	0.831	0.846	0.843	0.831	0.818	0.813	0.879	0.837	2.59
69)		p-Isopropyltol...			1.162	1.433	1.565	1.295	1.360	1.363	11.08
70)		n-Butylbenzene			1.325	1.571	1.744	1.401	1.466	1.501	10.85
71)		2-Chlorotoluene			0.959	1.128	1.205	1.024	1.087	1.081	8.75
72)	T	4-Ethyltoluene			0.916	1.109	1.224	1.065	1.137	1.090	10.40
73)	T	1,3,5-Trimethy...			0.894	0.995	1.103	0.944	1.001	0.988	7.90
74)	T	1,2,4-Trimethy...			1.060	1.184	1.266	1.033	1.088	1.126	8.59
75)	T	1,3-Dichlorobe...			0.596	0.639	0.669	0.553	0.592	0.610	7.34
76)	T	1,4-Dichlorobe...			0.552	0.587	0.642	0.542	0.587	0.582	6.72
77)	T	1,2-Dichlorobe...			0.591	0.622	0.641	0.521	0.557	0.586	8.29
78)	T	Hexachloro-1,3...			0.433	0.479	0.459	0.374	0.405	0.430	9.81
79)	T	Naphthalene		0.283	0.513	0.676	0.853	0.797	0.875	0.666	34.66
80)	T	Naphthalene,2-...			0.103	0.103	0.168	0.227	0.243	0.169	39.39
81)	T	1,2,4-Trichlor...			0.327	0.389	0.461	0.420	0.456	0.410	13.43

(#) = Out of Range