

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

Method File : VL021425AIR.M

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

Last Update : Sat Feb 15 01:55:33 2025

Response Via : Initial Calibration

Calibration Files

0.03=VL042020.D 0.1 =VL042019.D 0.5 =VL042018.D 1 =VL042017.D 2 =VL042016.D 10 =VL042015.D 15 =VL042021.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.747	1.776	1.729	1.641	1.715	1.721	2.95
3) Chlorodifluoro...			1.969	2.077	1.868	1.738	1.865	1.903	6.67
4) Chloromethane			0.630	0.718	0.684	0.634	0.680	0.669	5.50
5) T Vinyl Chloride	1.303	0.904	0.745	0.695	0.678	0.630	0.646	0.800	29.98
6) T Bromomethane			0.347	0.330	0.294	0.286	0.294	0.310	8.66
7) Chloroethane			0.243	0.301	0.252	0.249	0.258	0.261	8.92
8) T Dichlorotetra...			1.642	1.547	1.468	1.424	1.491	1.514	5.54
9) T Propene			0.848	0.883	0.800	0.760	0.812	0.820	5.72
10) T Heptane			2.447	2.403	2.258	2.080	2.204	2.278	6.55
11) T Trichlorofluor...			1.845	1.713	1.757	1.658	1.690	1.732	4.19
12) T 1,1,2-Trichlor...			1.345	1.367	1.391	1.305	1.346	1.351	2.36
13) Ethanol			0.163	0.131	0.093	0.036	0.040	0.093	60.16
14) T Bromoethene			0.506	0.545	0.514	0.477	0.481	0.505	5.48
15) T Acetone			2.092	1.776	1.664	1.338	1.383	1.651	18.68
16) T 1,3-Butadiene			0.959	0.814	0.755	0.678	0.710	0.783	14.14
17) tert-Butyl alc...			2.296	2.153	2.003	1.865	1.894	2.042	8.89
18) T 1,1-Dichloroet...			0.662	0.713	0.662	0.586	0.605	0.646	7.85
19) T Isopropyl Alcohol			1.060	0.991	0.916	0.826	0.834	0.926	10.93
20) T Methylene Chlo...			0.823	0.670	0.586	0.493	0.534	0.621	21.04
21) T Allyl Chloride			1.336	1.245	1.223	1.051	1.121	1.195	9.30
22) T trans-1,2-Dich...			0.749	0.705	0.727	0.644	0.677	0.701	5.87
23) T Vinyl Acetate			0.905	0.992	0.883	0.797	0.892	0.894	7.77
24) T 1,1-Dichloroet...			1.528	1.550	1.378	1.283	1.374	1.422	7.97
25) T Ethyl Acetate			4.877	4.713	4.561	4.133	4.367	4.530	6.42
26) T Hexane			1.888	1.984	1.816	1.650	1.752	1.818	7.01
27) T Carbon Disulfide			1.611	1.846	1.748	1.641	1.703	1.710	5.43
28) T Methyl tert-Bu...			1.139	1.287	1.068	1.026	1.037	1.111	9.70
29) T Chloroform			2.769	2.746	2.639	2.434	2.577	2.633	5.17
30) T Cyclohexane			1.662	1.653	1.612	0.877	1.570	1.475	22.80
31) T cis-1,2-Dichlo...			1.892	1.855	1.774	1.670	1.793	1.797	4.74
32) T 1,1,1-Trichlor...	3.839	3.022	2.718	2.759	2.769	2.560	2.773	2.920	14.63

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.918	0.907	0.870	0.780	0.826	0.860	6.68
35) T Carbon Tetrach...	1.393	0.942	0.889	0.937	0.887	0.847	0.903	0.971	19.43
36) T Benzene			1.259	1.219	1.231	1.134	1.213	1.211	3.84
37) T 1,2-Dichloroet...			0.736	0.740	0.677	0.621	0.674	0.690	7.18
38) T Trichloroethene	0.572	0.469	0.493	0.504	0.493	0.449	0.466	0.492	8.09
39) T 1,2-Dichloropr...			0.496	0.468	0.410	0.406	0.441	0.444	8.66

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40) T	1,4-Dioxane			0.268	0.256	0.223	0.201	0.208	0.231	12.84
41) T	Tetrahydrofuran			0.545	0.488	0.482	0.463	0.480	0.492	6.37
42) T	Bromodichlorom...			0.932	0.930	0.931	0.903	0.975	0.934	2.74
43) T	Methyl Methacr...			0.639	0.638	0.511	0.476	0.496	0.552	14.50
44) T	2,2,4-Trimethy...			2.166	2.111	2.055	1.937	2.013	2.056	4.29
45) T	t-1,3-Dichloro...			0.532	0.527	0.522	0.488	0.539	0.521	3.81
46) T	cis-1,3-Dichlo...			0.671	0.661	0.684	0.624	0.667	0.661	3.40
47) T	1,1,2-Trichlor...			0.503	0.467	0.470	0.429	0.468	0.467	5.64
48) T	Dibromochlorom...			0.816	0.791	0.774	0.752	0.781	0.783	3.00
49) T	Bromoform			0.664	0.617	0.648	0.630	0.651	0.642	2.92
50) T	4-Methyl-2-Pen...			1.433	1.368	1.373	1.183	1.254	1.322	7.64
51) T	2-Hexanone			1.109	1.172	1.130	0.964	1.032	1.081	7.67
52) T	Tetrachloroethene	0.475	0.455	0.459	0.412	0.401	0.374	0.383	0.423	9.46
53) T	Toluene			1.494	1.519	1.441	1.345	1.417	1.443	4.73
54) T	1,2-Dibromoethane		0.689	0.652	0.628	0.642	0.598	0.652	0.644	4.67
-----ISTD-----										
55) I	Chlorobenzene-d5									
56) T	1,1,1,2-Tetrac...			0.898	0.737	0.683	0.612	0.649	0.716	15.63
57) T	Chlorobenzene			1.275	1.254	1.194	1.062	1.097	1.176	8.02
58) T	Ethyl Benzene			2.258	2.290	2.203	2.039	2.154	2.189	4.51
59) T	m/p-Xylene			1.817	1.793	1.753	1.573	1.683	1.724	5.72
60) T	o-Xylene			1.851	1.846	1.801	1.557	1.663	1.743	7.39
61) T	Styrene			0.862	0.853	0.844	0.768	0.830	0.831	4.47
62) T	Isopropylbenzene			2.737	2.755	2.744	2.377	2.474	2.617	6.82
63) T	1,1,2,2-Tetrac...	1.412	1.267	1.119	1.086	1.054	0.936	0.999	1.125	14.55
64) T	n-propylbenzene			0.694	0.681	0.656	0.571	0.613	0.643	7.86
65) T	tert-Butylbenzene			2.439	2.450	2.396	2.027	2.097	2.282	8.91
66) T	Benzyl Chloride			0.224	0.238	0.241	0.216	0.225	0.229	4.57
67) T	sec-Butylbenzene			3.431	3.465	3.331	2.842	2.956	3.205	8.93
68) S	1-Bromo-4-Fluo...	0.808	0.820	0.834	0.835	0.813	0.831	0.834	0.825	1.36
69) T	p-Isopropyltol...			2.847	2.795	2.763	2.325	2.388	2.624	9.41
70) T	n-Butylbenzene			2.701	2.765	2.735	2.299	2.422	2.584	8.12
71) T	2-Chlorotoluene			2.154	2.026	2.016	1.787	1.874	1.971	7.25
72) T	4-Ethyltoluene			2.140	2.108	2.168	1.848	1.949	2.043	6.77
73) T	1,3,5-Trimethy...			1.877	1.883	1.780	1.591	1.679	1.762	7.22
74) T	1,2,4-Trimethy...			2.009	2.063	2.001	1.662	1.720	1.891	9.80
75) T	1,3-Dichlorobe...			1.061	1.106	1.063	0.916	0.944	1.018	8.15
76) T	1,4-Dichlorobe...			1.033	1.045	1.045	0.894	0.946	0.993	6.92
77) T	1,2-Dichlorobe...			1.050	1.036	1.015	0.867	0.897	0.973	8.70
78) T	Hexachloro-1,3...			0.971	0.852	0.889	0.653	0.660	0.805	17.69
79) T	Naphthalene		1.853	2.024	2.204	2.266	1.359	1.454	1.860	20.50
80) T	Naphthalene,2-...			0.924	1.052	1.247	0.458	0.529	0.842	40.28
81) T	1,2,4-Trichlor...			0.770	0.855	0.875	0.627	0.653	0.756	15.00

(#) = Out of Range