

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\

Method File : VL050522AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022

Last Update : Thu May 05 10:12:15 2022

Response Via : Initial Calibration

Calibration Files

0.03=VL038962.D 0.1 =VL038961.D 0.5 =VL038960.D 1 =VL038959.D 2 =VL038958.D 10 =VL038957.D 15 =VL038963.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.717	1.922	1.519	1.454	1.222	1.567	16.96
3) Chlorodifluoro...			1.288	1.335	1.280	1.145	1.157	1.241	6.82
4) Chloromethane			0.674	0.623	0.645	0.587	0.578	0.621	6.40
5) T Vinyl Chloride	0.608	0.588	0.526	0.544	0.577	0.560	0.570	0.567	4.81
6) T Bromomethane			0.257	0.273	0.265	0.268	0.277	0.268	2.76
7) Chloroethane			0.198	0.190	0.177	0.186	0.198	0.190	4.71
8) T Dichlorotetra...			1.462	1.476	1.467	1.337	1.358	1.420	4.68
9) T Propene			0.612	0.568	0.551	0.481	0.498	0.542	9.82
10) T Heptane			1.330	1.336	1.420	1.284	1.278	1.329	4.29
11) T Trichlorofluor...			1.409	1.347	1.389	1.259	1.317	1.344	4.43
12) T 1,1,2-Trichlor...			0.917	0.938	0.946	0.894	0.936	0.926	2.27
13) Ethanol			0.038	0.051	0.045	0.030	0.028	0.038#	25.23
14) T Bromoethene			0.350	0.408	0.363	0.383	0.405	0.382	6.63
15) T Acetone			0.936	0.922	1.056	0.877	0.925	0.943	7.10
16) T 1,3-Butadiene			0.584	0.530	0.544	0.520	0.532	0.542	4.67
17) tert-Butyl alc...			0.796	0.718	0.635	0.698	0.778	0.725	8.94
18) T 1,1-Dichloroet...			0.344	0.410	0.441	0.383	0.415	0.399	9.20
19) T Isopropyl Alcohol			0.425	0.470	0.418	0.444	0.486	0.449	6.47
20) T Methylene Chlo...			0.376	0.393	0.350	0.319	0.339	0.356	8.23
21) T Allyl Chloride			0.680	0.577	0.629	0.637	0.691	0.643	7.08
22) T trans-1,2-Dich...			0.436	0.437	0.410	0.416	0.453	0.431	4.09
23) T Vinyl Acetate			0.780	0.677	0.734	0.751	0.790	0.746	5.99
24) T 1,1-Dichloroet...			0.835	0.883	0.898	0.818	0.863	0.859	3.84
25) T Ethyl Acetate			2.223	2.283	2.372	2.208	2.202	2.258	3.16
26) T Hexane			1.091	0.967	1.065	0.940	0.952	1.003	6.95
27) T Carbon Disulfide			0.818	0.908	0.955	0.998	1.085	0.953	10.46
28) T Methyl tert-Bu...			0.728	0.725	0.809	0.755	0.799	0.763	5.13
29) T Chloroform			1.626	1.661	1.676	1.587	1.565	1.623	2.91
30) T Cyclohexane			0.878	0.858	0.870	0.792	0.802	0.840	4.76
31) T cis-1,2-Dichlo...			1.007	1.035	1.035	1.009	1.025	1.022	1.35
32) T 1,1,1-Trichlor...	1.705	1.662	1.570	1.566	1.650	1.594	1.612	1.623	3.18

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.527	0.502	0.536	0.504	0.483	0.510	4.17
35) T Carbon Tetrach...	0.630	0.604	0.645	0.689	0.684	0.672	0.689	0.659	5.06
36) T Benzene			0.864	0.891	0.898	0.818	0.808	0.856	4.84
37) T 1,2-Dichloroet...			0.481	0.548	0.547	0.525	0.548	0.529	5.49
38) T Trichloroethene	0.423	0.421	0.344	0.401	0.370	0.355	0.349	0.380	8.96
39) T 1,2-Dichloropr...			0.313	0.351	0.351	0.326	0.324	0.333	5.10

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40) T	1,4-Dioxane			0.138	0.133	0.116	0.117	0.093	0.120	14.84
41) T	Tetrahydrofuran			0.337	0.342	0.353	0.338	0.345	0.343	1.88
42) T	Bromodichlorom...			0.691	0.710	0.750	0.729	0.740	0.724	3.22
43) T	Methyl Methacr...			0.343	0.343	0.356	0.348	0.348	0.347	1.51
44) T	2,2,4-Trimethy...			1.545	1.595	1.610	1.401	1.357	1.502	7.69
45) T	t-1,3-Dichloro...			0.251	0.278	0.331	0.401	0.420	0.336	22.04
46) T	cis-1,3-Dichlo...			0.374	0.421	0.451	0.482	0.503	0.446	11.44
47) T	1,1,2-Trichlor...			0.363	0.346	0.356	0.334	0.332	0.346	3.93
48) T	Dibromochlorom...			0.516	0.550	0.581	0.585	0.587	0.564	5.47
49) T	Bromoform			0.365	0.418	0.447	0.465	0.455	0.430	9.33
50) T	4-Methyl-2-Pen...			0.846	0.938	0.936	0.885	0.868	0.895	4.59
51) T	2-Hexanone			0.579	0.571	0.684	0.711	0.720	0.653	11.13
52) T	Tetrachloroethene	0.337	0.342	0.294	0.302	0.308	0.280	0.278	0.306	8.40
53) T	Toluene			0.939	0.980	1.016	0.936	0.925	0.959	3.97
54) T	1,2-Dibromoethane	0.503		0.396	0.484	0.489	0.479	0.478	0.471	8.12
-----ISTD-----										
55) I	Chlorobenzene-d5									
56) T	1,1,1,2-Tetrac...			0.441	0.448	0.454	0.423	0.428	0.439	3.05
57) T	Chlorobenzene			0.779	0.793	0.759	0.706	0.711	0.750	5.26
58) T	Ethyl Benzene			1.504	1.516	1.489	1.353	1.334	1.439	6.11
59) T	m/p-Xylene			1.278	1.295	1.278	1.149	1.143	1.229	6.16
60) T	o-Xylene			1.150	1.256	1.218	1.078	1.079	1.156	6.96
61) T	Styrene			0.583	0.605	0.648	0.628	0.622	0.617	3.98
62) T	Isopropylbenzene			1.773	1.785	1.766	1.554	1.576	1.691	6.81
63) T	1,1,2,2-Tetrac...	0.647	0.782	0.696	0.715	0.698	0.622	0.605	0.681	8.94
64) T	n-propylbenzene			0.400	0.422	0.436	0.395	0.391	0.409	4.79
65) T	tert-Butylbenzene			1.604	1.584	1.560	1.346	1.314	1.482	9.44
66) T	Benzyl Chloride			0.132	0.138	0.162	0.259	0.277	0.194	35.58
67) T	sec-Butylbenzene			2.221	2.292	2.260	1.936	1.875	2.117	9.24
68) S	1-Bromo-4-Fluo...	0.816	0.794	0.799	0.779	0.762	0.793	0.801	0.792	2.19
69) T	p-Isopropyltol...			1.696	1.849	1.849	1.594	1.562	1.710	7.97
70) T	n-Butylbenzene			1.753	1.921	1.973	1.735	1.701	1.817	6.72
71) T	2-Chlorotoluene			1.351	1.374	1.392	1.222	1.179	1.304	7.39
72) T	4-Ethyltoluene			1.271	1.377	1.436	1.266	1.239	1.318	6.42
73) T	1,3,5-Trimethy...			1.092	1.262	1.277	1.150	1.151	1.186	6.71
74) T	1,2,4-Trimethy...			1.321	1.378	1.376	1.223	1.197	1.299	6.53
75) T	1,3-Dichlorobe...			0.737	0.704	0.751	0.684	0.682	0.712	4.37
76) T	1,4-Dichlorobe...			0.734	0.692	0.731	0.681	0.663	0.700	4.45
77) T	1,2-Dichlorobe...			0.720	0.753	0.715	0.668	0.663	0.704	5.39
78) T	Hexachloro-1,3...			0.697	0.735	0.707	0.542	0.553	0.647	14.17
79) T	Naphthalene	0.741		0.912	1.087	1.212	1.139	1.239	1.055	18.25
80) T	Naphthalene,2-...			0.174	0.250	0.344	0.367	0.461	0.319	34.59
81) T	1,2,4-Trichlor...			0.565	0.630	0.655	0.601	0.640	0.618	5.78

(#) = Out of Range