

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

Method File : VL030822AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022

Last Update : Tue Mar 08 21:18:44 2022

Response Via : Initial Calibration

Calibration Files

0.03=VL038561.D 0.1 =VL038557.D 0.5 =VL038556.D 1 =VL038555.D 2 =VL038554.D 10 =VL038553.D 15 =VL038559.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.936	1.615	1.466	1.376	1.158	1.510	19.19
3) Chlorodifluoro...			1.943	1.870	1.846	1.605	1.552	1.763	9.83
4) Chloromethane			0.720	0.691	0.654	0.608	0.596	0.654	8.06
5) T Vinyl Chloride	0.733	0.767	0.629	0.647	0.648	0.584	0.584	0.656	10.71
6) T Bromomethane			0.381	0.373	0.357	0.327	0.323	0.352	7.42
7) Chloroethane			0.226	0.215	0.225	0.196	0.201	0.212	6.44
8) T Dichlorotetra...			1.638	1.590	1.476	1.345	1.271	1.464	10.68
9) T Propene			0.641	0.652	0.667	0.579	0.572	0.622	7.02
10) T Heptane			1.382	1.556	1.601	1.465	1.439	1.488	5.96
11) T Trichlorofluor...			1.458	1.391	1.370	1.230	1.173	1.324	8.94
12) T 1,1,2-Trichlor...			1.085	1.080	1.107	0.952	0.924	1.030	8.21
13) Ethanol			0.092	0.081	0.077	0.058	0.049	0.071	24.77
14) T Bromoethene			0.415	0.475	0.443	0.433	0.428	0.439	5.16
15) T Acetone			0.780	0.751	0.745	0.629	0.623	0.705	10.49
16) T 1,3-Butadiene			0.569	0.612	0.573	0.541	0.539	0.567	5.25
17) tert-Butyl alc...			0.856	0.850	0.756	0.738	0.632	0.766	12.05
18) T 1,1-Dichloroet...			0.502	0.482	0.468	0.429	0.424	0.461	7.36
19) T Isopropyl Alcohol			0.548	0.549	0.450	0.431	0.376	0.471	16.06
20) T Methylene Chlo...			0.507	0.456	0.450	0.357	0.352	0.424	15.94
21) T Allyl Chloride			0.742	0.659	0.706	0.655	0.637	0.680	6.34
22) T trans-1,2-Dich...			0.510	0.503	0.486	0.465	0.452	0.483	5.06
23) T Vinyl Acetate			1.006	0.985	1.034	1.013	1.017	1.011	1.76
24) T 1,1-Dichloroet...			0.991	0.946	0.967	0.860	0.834	0.920	7.48
25) T Ethyl Acetate			2.343	2.460	2.553	2.279	2.242	2.375	5.44
26) T Hexane			1.108	1.145	1.209	1.065	1.051	1.116	5.72
27) T Carbon Disulfide			1.113	1.083	1.143	1.113	1.104	1.111	1.96
28) T Methyl tert-Bu...			0.899	0.916	1.005	0.891	0.828	0.908	6.99
29) T Chloroform			1.872	1.795	1.793	1.625	1.595	1.736	6.91
30) T Cyclohexane			1.004	0.991	1.010	0.908	0.911	0.965	5.27
31) T cis-1,2-Dichlo...			1.114	1.083	1.096	1.028	1.015	1.067	4.04
32) T 1,1,1-Trichlor...	1.716	1.853	1.727	1.697	1.712	1.566	1.516	1.684	6.61

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.246	0.251	0.278	0.264	0.257	0.259	4.84
35) T Carbon Tetrach...	0.792	0.763	0.659	0.668	0.672	0.622	0.599	0.682	10.39
36) T Benzene			0.910	0.951	0.955	0.857	0.840	0.902	5.84
37) T 1,2-Dichloroet...			0.422	0.448	0.455	0.425	0.407	0.431	4.62
38) T Trichloroethene	0.406	0.427	0.330	0.370	0.353	0.324	0.313	0.360	11.98
39) T 1,2-Dichloropr...			0.345	0.364	0.367	0.332	0.327	0.347	5.27

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40)	T	1,4-Dioxane		0.101	0.091	0.091	0.082	0.069	0.087	13.81
41)	T	Tetrahydrofuran		0.206	0.220	0.207	0.216	0.211	0.212	2.87
42)	T	Bromodichlorom...		0.695	0.707	0.722	0.658	0.637	0.684	5.15
43)		Methyl Methacr...		0.278	0.315	0.326	0.316	0.314	0.310	5.91
44)	T	2,2,4-Trimethy...		1.571	1.655	1.657	1.405	1.341	1.526	9.54
45)	T	t-1,3-Dichloro...		0.180	0.209	0.225	0.246	0.257	0.223	13.62
46)	T	cis-1,3-Dichlo...		0.270	0.292	0.309	0.324	0.331	0.305	8.09
47)	T	1,1,2-Trichlor...		0.346	0.378	0.372	0.337	0.336	0.354	5.53
48)	T	Dibromochlorom...		0.521	0.571	0.595	0.565	0.556	0.562	4.85
49)	T	Bromoform		0.388	0.421	0.454	0.443	0.445	0.430	6.19
50)	T	4-Methyl-2-Pen...		0.481	0.521	0.572	0.545	0.538	0.531	6.31
51)	T	2-Hexanone		0.184	0.228	0.227	0.242	0.243	0.225	10.70
52)	T	Tetrachloroethene	0.335 0.390	0.332	0.329	0.337	0.298	0.295	0.331	9.52
53)	T	Toluene		0.894	0.990	1.038	0.952	0.943	0.963	5.58
54)	T	1,2-Dibromoethane	0.552	0.501	0.502	0.505	0.484	0.488	0.505	4.82
-----ISTD-----										
55)	I	Chlorobenzene-d5								
56)		1,1,1,2-Tetrac...		0.438	0.430	0.427	0.389	0.353	0.407	8.76
57)	T	Chlorobenzene		0.851	0.795	0.786	0.726	0.659	0.763	9.64
58)	T	Ethyl Benzene		1.235	1.368	1.389	1.289	1.192	1.295	6.51
59)	T	m/p-Xylene		1.146	1.198	1.176	1.063	0.960	1.108	8.80
60)	T	o-Xylene		1.106	1.113	1.110	0.992	0.913	1.047	8.64
61)	T	Styrene		0.436	0.515	0.545	0.559	0.525	0.516	9.28
62)		Isopropylbenzene		1.485	1.542	1.540	1.379	1.275	1.444	7.99
63)	T	1,1,2,2-Tetrac...	1.053 1.121	0.894	0.845	0.854	0.741	0.682	0.884	17.79
64)		n-propylbenzene		0.354	0.379	0.392	0.366	0.348	0.368	4.92
65)		tert-Butylbenzene		1.319	1.393	1.409	1.227	1.110	1.292	9.65
66)	T	Benzyl Chloride		0.069	0.071	0.076	0.081	0.085	0.077	8.91
67)		sec-Butylbenzene		1.851	1.947	2.004	1.764	1.612	1.836	8.44
68)	S	1-Bromo-4-Fluo...	0.763 0.773	0.766	0.748	0.721	0.797	0.755	0.760	3.07
69)		p-Isopropyltol...		1.451	1.632	1.645	1.508	1.368	1.521	7.79
70)		n-Butylbenzene		1.551	1.700	1.764	1.614	1.469	1.620	7.21
71)		2-Chlorotoluene		1.054	1.142	1.155	1.050	0.960	1.072	7.41
72)	T	4-Ethyltoluene		1.137	1.255	1.281	1.192	1.147	1.202	5.31
73)	T	1,3,5-Trimethy...		1.132	1.196	1.169	1.073	1.011	1.116	6.68
74)	T	1,2,4-Trimethy...		1.194	1.289	1.303	1.145	1.030	1.192	9.41
75)	T	1,3-Dichlorobe...		0.776	0.786	0.773	0.737	0.689	0.752	5.33
76)	T	1,4-Dichlorobe...		0.761	0.776	0.794	0.719	0.677	0.745	6.34
77)	T	1,2-Dichlorobe...		0.793	0.788	0.794	0.733	0.697	0.761	5.73
78)	T	Hexachloro-1,3...		0.832	0.833	0.793	0.667	0.588	0.742	14.81
79)	T	Naphthalene	0.678	0.891	1.056	1.215	1.311	1.284	1.073	23.24
80)	T	Naphthalene,2- ...		0.105	0.144	0.184	0.245	0.269	0.189	36.06
81)	T	1,2,4-Trichlor...		0.606	0.673	0.723	0.732	0.693	0.685	7.32

(#) = Out of Range