

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

Method File : VL012422AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 14:12:48 2022

Last Update : Mon Jan 24 14:12:48 2022

Response Via : Initial Calibration

Calibration Files

0.03=VL038258.D 0.1 =VL038257.D 0.5 =VL038256.D 1 =VL038255.D 2 =VL038254.D 10 =VL038253.D 15 =VL038259.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			2.352	2.404	1.712	2.196	1.980	2.129	13.41
3) Chlorodifluoro...			2.126	2.065	2.162	1.908	1.693	1.991	9.69
4) Chloromethane			0.740	0.724	0.712	0.653	0.596	0.685	8.71
5) T Vinyl Chloride	0.808	0.689	0.651	0.686	0.711	0.654	0.587	0.684	9.90
6) T Bromomethane			0.375	0.377	0.395	0.369	0.332	0.370	6.19
7) Chloroethane			0.248	0.220	0.246	0.229	0.211	0.231	6.99
8) T Dichlorotetra...			1.779	1.610	1.839	1.573	1.435	1.647	9.89
9) T Propene			0.665	0.632	0.724	0.646	0.573	0.648	8.43
10) T Heptane			1.719	1.657	1.839	1.643	1.479	1.667	7.82
11) T Trichlorofluor...			1.649	1.740	1.814	1.635	1.454	1.658	8.15
12) T 1,1,2-Trichlor...			1.363	1.272	1.346	1.211	1.076	1.254	9.31
13) Ethanol			0.066	0.069	0.087	0.071	0.055	0.070	16.76
14) T Bromoethene			0.481	0.504	0.536	0.478	0.450	0.490	6.56
15) T Acetone			0.982	0.956	0.975	0.773	0.722	0.882	14.06
16) T 1,3-Butadiene			0.661	0.659	0.652	0.618	0.573	0.633	5.95
17) tert-Butyl alc...			1.091	1.000	1.045	0.961	0.741	0.968	14.00
18) T 1,1-Dichloroet...			0.563	0.571	0.586	0.537	0.469	0.545	8.45
19) T Isopropyl Alcohol			0.620	0.602	0.618	0.513	0.405	0.551	16.90
20) T Methylene Chlo...			0.625	0.562	0.538	0.448	0.390	0.513	18.19
21) T Allyl Chloride			0.772	0.750	0.852	0.804	0.723	0.780	6.38
22) T trans-1,2-Dich...			0.558	0.576	0.620	0.555	0.508	0.563	7.18
23) T Vinyl Acetate			1.378	1.199	1.345	1.281	1.205	1.282	6.27
24) T 1,1-Dichloroet...			1.172	1.192	1.252	1.108	0.984	1.142	8.93
25) T Ethyl Acetate			2.468	2.605	2.654	2.321	2.293	2.468	6.57
26) T Hexane			1.216	1.160	1.233	1.076	1.054	1.148	7.03
27) T Carbon Disulfide			1.271	1.329	1.444	1.425	1.246	1.343	6.63
28) T Methyl tert-Bu...			1.199	1.180	1.343	1.181	1.051	1.191	8.68
29) T Chloroform			1.911	1.971	1.999	1.792	1.697	1.874	6.78
30) T Cyclohexane			0.998	1.054	1.061	0.999	0.886	1.000	7.02
31) T cis-1,2-Dichlo...			1.157	0.981	0.926	0.849	1.095	1.001	12.47
32) T 1,1,1-Trichlor...	1.840	1.893	1.957	1.863	2.051	1.834	1.663	1.872	6.39

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.324	0.303	0.327	0.294	0.387	0.327	11.14
35) T Carbon Tetrach...	0.756	0.683	0.704	0.722	0.736	0.674	0.638	0.702	5.72
36) T Benzene			0.873	0.939	0.953	0.846	0.812	0.885	6.81
37) T 1,2-Dichloroet...			0.515	0.519	0.528	0.495	0.475	0.507	4.22
38) T Trichloroethene	0.374	0.325	0.343	0.333	0.339	0.304	0.289	0.329	8.39
39) T 1,2-Dichloropr...			0.376	0.373	0.380	0.342	0.322	0.359	7.05

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40)	T	1,4-Dioxane			0.093	0.100	0.092	0.075	0.072	0.086	14.08
41)	T	Tetrahydrofuran			0.219	0.233	0.225	0.208	0.214	0.220	4.24
42)	T	Bromodichlorom...			0.788	0.775	0.794	0.719	0.682	0.752	6.50
43)		Methyl Methacr...			0.295	0.309	0.326	0.320	0.314	0.313	3.69
44)	T	2,2,4-Trimethy...			1.640	1.690	1.700	1.434	1.329	1.559	10.75
45)	T	t-1,3-Dichloro...			0.215	0.224	0.250	0.290	0.292	0.254	14.12
46)	T	cis-1,3-Dichlo...			0.319	0.323	0.341	0.358	0.354	0.339	5.21
47)	T	1,1,2-Trichlor...			0.374	0.362	0.367	0.334	0.324	0.352	6.20
48)	T	Dibromochlorom...			0.602	0.607	0.611	0.584	0.561	0.593	3.50
49)	T	Bromoform			0.400	0.431	0.464	0.428	0.416	0.428	5.50
50)	T	4-Methyl-2-Pen...			0.569	0.603	0.613	0.576	0.557	0.583	4.01
51)	T	2-Hexanone			0.235	0.252	0.279	0.263	0.256	0.257	6.21
52)	T	Tetrachloroethene	0.367	0.301	0.311	0.310	0.307	0.275	0.263	0.305	10.89
53)	T	Toluene			0.952	1.020	1.055	0.953	0.916	0.979	5.80
54)	T	1,2-Dibromoethane			0.505	0.513	0.522	0.487	0.478	0.501	3.69
-----ISTD-----											
55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.477	0.463	0.464	0.400	0.385	0.438	9.64
57)	T	Chlorobenzene			0.857	0.872	0.849	0.723	0.700	0.800	10.21
58)	T	Ethyl Benzene			1.562	1.556	1.566	1.361	1.304	1.470	8.65
59)	T	m/p-Xylene			1.328	1.355	1.373	1.140	1.074	1.254	10.93
60)	T	o-Xylene			1.245	1.270	1.248	1.062	1.006	1.166	10.53
61)	T	Styrene			0.499	0.535	0.585	0.556	0.546	0.544	5.78
62)		Isopropylbenzene			1.633	1.683	1.716	1.404	1.338	1.555	11.06
63)	T	1,1,2,2-Tetrac...	1.054	0.854	0.912	0.914	0.909	0.718	0.680	0.863	14.83
64)		n-propylbenzene			0.361	0.403	0.417	0.351	0.338	0.374	9.15
65)		tert-Butylbenzene			1.323	1.394	1.477	1.135	1.073	1.280	13.40
66)	T	Benzyl Chloride			0.049	0.050	0.057	0.070	0.065	0.058	15.53
67)		sec-Butylbenzene			1.838	1.945	2.051	1.580	1.492	1.781	13.38
68)	S	1-Bromo-4-Fluo...	0.720	0.769	0.754	0.752	0.752	0.779	0.787	0.759	2.93
69)		p-Isopropyltol...			1.374	1.428	1.596	1.239	1.179	1.363	12.05
70)		n-Butylbenzene			1.277	1.437	1.577	1.218	1.166	1.335	12.68
71)		2-Chlorotoluene			1.197	1.224	1.274	1.053	1.011	1.151	9.88
72)	T	4-Ethyltoluene			1.192	1.279	1.367	1.146	1.113	1.220	8.49
73)	T	1,3,5-Trimethy...			1.112	1.169	1.225	1.008	0.970	1.097	9.76
74)	T	1,2,4-Trimethy...			1.225	1.235	1.322	1.030	0.966	1.155	13.02
75)	T	1,3-Dichlorobe...			0.662	0.656	0.690	0.554	0.538	0.620	11.14
76)	T	1,4-Dichlorobe...			0.643	0.648	0.649	0.543	0.519	0.600	10.61
77)	T	1,2-Dichlorobe...			0.651	0.594	0.645	0.502	0.487	0.576	13.50
78)	T	Hexachloro-1,3...			0.455	0.446	0.457	0.328	0.316	0.400	17.97
79)	T	Naphthalene			0.401	0.435	0.625	0.626	0.614	0.540	20.73
80)	T	Naphthalene,2-...			0.003	0.037	0.067	0.099	0.088	0.059	67.03
81)	T	1,2,4-Trichlor...			0.269	0.291	0.380	0.331	0.317	0.318	13.36

(#) = Out of Range