

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

Method File : VL110121AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 02 05:54:07 2021

Last Update : Tue Nov 02 05:54:07 2021

Response Via : Initial Calibration

Calibration Files

0.03=VL037939.D 0.1 =VL037938.D 0.5 =VL037937.D 1 =VL037936.D 2 =VL037935.D 10 =VL037934.D 15 =VL037940.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.849	1.505	1.316	1.330	1.045	1.409	21.02
3) Chlorodifluoro...			2.109	1.969	1.966	1.654	1.611	1.862	11.70
4) Chloromethane			0.783	0.764	0.717	0.634	0.639	0.707	9.75
5) T Vinyl Chloride	0.762	0.653	0.752	0.645	0.695	0.637	0.630	0.682	8.14
6) T Bromomethane			0.389	0.376	0.374	0.350	0.352	0.368	4.53
7) Chloroethane			0.283	0.248	0.256	0.223	0.221	0.246	10.37
8) T Dichlorotetra...			1.961	1.719	1.642	1.441	1.352	1.623	14.79
9) T Propene			0.770	0.666	0.705	0.583	0.613	0.667	11.13
10) T Heptane			1.482	1.561	1.660	1.534	1.528	1.553	4.25
11) T Trichlorofluor...			1.491	1.488	1.450	1.305	1.280	1.403	7.30
12) T 1,1,2-Trichlor...			1.195	1.122	1.173	1.018	0.960	1.094	9.26
13) Ethanol			0.074	0.074	0.079	0.061	0.049	0.067	18.53
14) T Bromoethene			0.532	0.495	0.478	0.443	0.443	0.478	7.83
15) T Acetone			0.864	0.955	0.889	0.705	0.719	0.826	13.28
16) T 1,3-Butadiene			0.745	0.647	0.657	0.613	0.593	0.651	8.99
17) tert-Butyl alc...			1.013	0.871	0.890	0.789	0.733	0.859	12.43
18) T 1,1-Dichloroet...			0.556	0.532	0.524	0.456	0.450	0.503	9.48
19) T Isopropyl Alcohol			0.550	0.583	0.560	0.498	0.451	0.528	10.12
20) T Methylene Chlo...			0.546	0.467	0.488	0.387	0.380	0.454	15.47
21) T Allyl Chloride			0.780	0.737	0.841	0.721	0.734	0.762	6.45
22) T trans-1,2-Dich...			0.543	0.528	0.498	0.466	0.465	0.500	7.07
23) T Vinyl Acetate			1.440	1.095	1.347	1.147	1.192	1.244	11.60
24) T 1,1-Dichloroet...			1.155	1.080	1.049	0.945	0.911	1.028	9.73
25) T Ethyl Acetate			2.494	2.570	2.568	2.327	2.313	2.454	5.15
26) T Hexane			1.162	1.234	1.234	1.098	1.086	1.163	6.11
27) T Carbon Disulfide			1.086	1.103	1.212	1.184	1.155	1.148	4.66
28) T Methyl tert-Bu...			1.050	1.041	0.997	0.914	0.886	0.978	7.63
29) T Chloroform			1.873	1.863	1.802	1.574	1.559	1.734	8.97
30) T Cyclohexane			1.078	1.044	0.985	0.926	0.938	0.994	6.66
31) T cis-1,2-Dichlo...			1.066	1.092	1.076	1.041	1.029	1.061	2.42
32) T 1,1,1-Trichlor...	2.162	1.745	1.742	1.686	1.649	1.489	1.458	1.705	13.61

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.356	0.411	0.390	0.342	0.354	0.371	7.73
35) T Carbon Tetrach...	0.815	0.608	0.583	0.566	0.601	0.532	0.527	0.605	16.19
36) T Benzene			0.773	0.860	0.882	0.787	0.769	0.814	6.50
37) T 1,2-Dichloroet...			0.395	0.395	0.403	0.372	0.371	0.387	3.82
38) T Trichloroethene	0.413	0.320	0.344	0.320	0.354	0.310	0.306	0.338	11.05
39) T 1,2-Dichloropr...			0.309	0.298	0.333	0.295	0.298	0.306	5.10

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40)	T	1,4-Dioxane			0.086	0.093	0.084	0.075	0.065	0.081	13.73
41)	T	Tetrahydrofuran			0.158	0.181	0.203	0.178	0.186	0.181	9.07
42)	T	Bromodichlorom...			0.595	0.596	0.617	0.565	0.554	0.585	4.38
43)		Methyl Methacr...			0.218	0.265	0.290	0.280	0.283	0.267	10.84
44)	T	2,2,4-Trimethy...			1.292	1.507	1.553	1.315	1.258	1.385	9.75
45)	T	t-1,3-Dichloro...			0.149	0.171	0.192	0.227	0.243	0.196	19.83
46)	T	cis-1,3-Dichlo...			0.224	0.251	0.259	0.306	0.311	0.270	13.83
47)	T	1,1,2-Trichlor...			0.357	0.371	0.358	0.321	0.315	0.344	7.15
48)	T	Dibromochlorom...			0.443	0.496	0.505	0.495	0.498	0.487	5.13
49)	T	Bromoform			0.332	0.371	0.420	0.398	0.406	0.385	8.99
50)	T	4-Methyl-2-Pen...			0.416	0.480	0.533	0.504	0.502	0.487	9.07
51)	T	2-Hexanone			0.167	0.178	0.223	0.220	0.238	0.205	15.00
52)	T	Tetrachloroethene	0.358	0.319	0.301	0.306	0.317	0.283	0.279	0.309	8.52
53)	T	Toluene			0.746	0.858	0.972	0.903	0.886	0.873	9.43
54)	T	1,2-Dibromoethane			0.425	0.432	0.476	0.445	0.442	0.444	4.39
55)	I	Chlorobenzene-d5			-----ISTD-----						
56)		1,1,1,2-Tetrac...			0.442	0.430	0.415	0.375	0.356	0.404	9.05
57)	T	Chlorobenzene			0.867	0.888	0.823	0.732	0.680	0.798	11.17
58)	T	Ethyl Benzene			1.099	1.247	1.338	1.244	1.186	1.223	7.19
59)	T	m/p-Xylene			0.990	1.178	1.203	1.064	0.999	1.087	9.12
60)	T	o-Xylene			1.008	1.107	1.094	0.996	0.918	1.025	7.58
61)	T	Styrene			0.332	0.426	0.515	0.548	0.533	0.471	19.29
62)		Isopropylbenzene			1.499	1.557	1.567	1.370	1.262	1.451	9.06
63)	T	1,1,2,2-Tetrac...	1.245	0.910	0.896	0.879	0.847	0.722	0.675	0.882	20.83
64)		n-propylbenzene			0.354	0.381	0.402	0.371	0.352	0.372	5.54
65)		tert-Butylbenzene			1.240	1.429	1.454	1.189	1.100	1.282	11.99
66)	T	Benzyl Chloride			0.061	0.050	0.065	0.080	0.079	0.067	19.28
67)		sec-Butylbenzene			1.715	1.922	2.030	1.649	1.518	1.767	11.72
68)	S	1-Bromo-4-Fluo...	0.736	0.739	0.738	0.712	0.682	0.758	0.724	0.727	3.37
69)		p-Isopropyltol...			1.340	1.517	1.611	1.359	1.259	1.417	10.11
70)		n-Butylbenzene			1.111	1.355	1.522	1.300	1.223	1.302	11.77
71)		2-Chlorotoluene			0.944	1.085	1.105	1.009	0.940	1.017	7.59
72)	T	4-Ethyltoluene			1.011	1.287	1.314	1.171	1.089	1.174	10.96
73)	T	1,3,5-Trimethy...			1.024	1.200	1.203	1.070	0.999	1.099	8.82
74)	T	1,2,4-Trimethy...			1.134	1.251	1.287	1.090	0.997	1.152	10.29
75)	T	1,3-Dichlorobe...			0.768	0.762	0.773	0.660	0.623	0.717	9.79
76)	T	1,4-Dichlorobe...			0.755	0.712	0.748	0.640	0.615	0.694	9.15
77)	T	1,2-Dichlorobe...			0.736	0.708	0.724	0.612	0.587	0.673	10.21
78)	T	Hexachloro-1,3...			0.679	0.669	0.637	0.464	0.432	0.576	20.59
79)	T	Naphthalene			0.428	0.560	0.703	0.805	0.822	0.664	25.32
80)	T	Naphthalene,2-...			0.062	0.048	0.057	0.229	0.249	0.129	77.91
81)	T	1,2,4-Trichlor...			0.370	0.411	0.466	0.454	0.458	0.432	9.35

(#) = Out of Range