

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

Method File : VL080621AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 06 17:52:04 2021

Last Update : Fri Aug 06 17:52:04 2021

Response Via : Initial Calibration

Calibration Files

0.03=VL037343.D 0.1 =VL037342.D 0.5 =VL037341.D 1 =VL037344.D 2 =VL037345.D 10 =VL037346.D 15 =VL037347.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			2.493	2.635	1.887	2.423	1.890	2.266	15.56
3) Chlorodifluoro...			2.041	2.060	2.068	1.886	1.916	1.994	4.32
4) Chloromethane			0.707	0.682	0.688	0.652	0.679	0.682	2.87
5) T Vinyl Chloride	1.186	0.995	0.734	0.685	0.667	0.737	0.757	0.823	23.49
6) T Bromomethane			0.388	0.393	0.432	0.421	0.418	0.411	4.58
7) Chloroethane			0.292	0.260	0.296	0.263	0.267	0.276	6.18
8) T Dichlorotetra...			1.985	1.989	1.991	1.862	1.898	1.945	3.12
9) T Propene			0.774	0.634	0.652	0.632	0.655	0.669	8.86
10) T Heptane			1.525	1.542	1.542	1.563	1.604	1.555	1.95
11) T Trichlorofluor...			1.901	2.038	2.015	1.900	1.860	1.943	4.05
12) T 1,1,2-Trichlor...			1.466	1.516	1.470	1.394	1.375	1.444	4.04
13) Ethanol			0.171	0.142	0.122	0.089	0.093	0.123	27.87
14) T Bromoethene			0.606	0.599	0.620	0.612	0.637	0.615	2.39
15) T Acetone			1.279	1.084	1.106	0.868	0.872	1.042	16.70
16) T 1,3-Butadiene			0.746	0.688	0.713	0.668	0.688	0.700	4.28
17) tert-Butyl alc...			1.155	1.216	1.021	1.092	1.062	1.109	6.96
18) T 1,1-Dichloroet...			0.596	0.624	0.649	0.633	0.641	0.628	3.28
19) T Isopropyl Alcohol			0.632	0.710	0.668	0.560	0.583	0.631	9.73
20) T Methylene Chlo...			1.130	1.083	1.070	0.539	0.542	0.873	34.85
21) T Allyl Chloride			0.941	0.822	0.886	0.831	0.829	0.862	5.92
22) T trans-1,2-Dich...			0.579	0.604	0.616	0.631	0.629	0.612	3.50
23) T Vinyl Acetate			1.436	1.260	1.500	1.388	1.647	1.446	9.86
24) T 1,1-Dichloroet...			1.307	1.241	1.257	1.195	1.222	1.245	3.37
25) T Ethyl Acetate			2.711	2.640	2.621	2.441	2.475	2.578	4.45
26) T Hexane			1.505	1.653	1.630	1.223	1.271	1.456	13.73
27) T Carbon Disulfide			1.117	1.131	1.186	1.406	1.483	1.264	13.33
28) T Methyl tert-Bu...			1.581	1.440	1.427	1.351	1.454	1.451	5.74
29) T Chloroform			1.844	2.090	1.968	1.915	1.952	1.954	4.61
30) T Cyclohexane			1.182	1.081	1.177	1.099	1.141	1.136	3.99
31) T cis-1,2-Dichlo...			1.088	1.071	1.182	1.180	1.228	1.150	5.85
32) T 1,1,1-Trichlor...	2.743	2.018	1.731	1.976	2.026	1.988	2.019	2.072	15.14

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.271	0.390	0.376	0.312	0.330	0.336	14.33
35) T Carbon Tetrach...	0.821	0.576	0.518	0.586	0.609	0.636	0.634	0.626	15.18
36) T Benzene			0.705	0.767	0.792	0.777	0.790	0.766	4.66
37) T 1,2-Dichloroet...			0.382	0.397	0.411	0.404	0.410	0.401	3.00
38) T Trichloroethene	0.593	0.396	0.306	0.324	0.338	0.334	0.338	0.376	26.52
39) T 1,2-Dichloropr...			0.239	0.281	0.290	0.290	0.297	0.279	8.21

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40)	T	1,4-Dioxane			0.078	0.093	0.089	0.082	0.068	0.082	11.97
41)	T	Tetrahydrofuran			0.161	0.165	0.155	0.165	0.180	0.165	5.40
42)	T	Bromodichlorom...			0.540	0.531	0.577	0.613	0.619	0.576	7.01
43)		Methyl Methacr...			0.226	0.225	0.247	0.270	0.279	0.249	9.95
44)	T	2,2,4-Trimethy...			1.233	1.313	1.341	1.260	1.262	1.282	3.44
45)	T	t-1,3-Dichloro...			0.128	0.119	0.138	0.205	0.219	0.162	28.80
46)	T	cis-1,3-Dichlo...			0.196	0.173	0.229	0.267	0.285	0.230	20.45
47)	T	1,1,2-Trichlor...			0.317	0.316	0.323	0.331	0.326	0.323	1.90
48)	T	Dibromochlorom...			0.405	0.452	0.495	0.578	0.560	0.498	14.54
49)	T	Bromoform			0.248	0.300	0.381	0.477	0.417	0.365	25.06
50)	T	4-Methyl-2-Pen...			0.457	0.406	0.461	0.489	0.490	0.460	7.37
51)	T	2-Hexanone			0.218	0.206	0.224	0.246	0.260	0.231	9.56
52)	T	Tetrachloroethene	0.564	0.360	0.318	0.333	0.327	0.333	0.323	0.366	24.24
53)	T	Toluene			0.789	0.882	0.924	0.937	0.934	0.893	6.95
54)	T	1,2-Dibromoethane			0.404	0.430	0.445	0.481	0.468	0.446	6.83
-----ISTD-----											
55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.377	0.413	0.439	0.457	0.431	0.424	7.15
57)	T	Chlorobenzene			0.742	0.799	0.764	0.820	0.792	0.784	3.92
58)	T	Ethyl Benzene			1.202	1.283	1.278	1.420	1.353	1.307	6.32
59)	T	m/p-Xylene			1.034	1.121	1.163	1.177	1.190	1.137	5.56
60)	T	o-Xylene			1.003	1.082	1.056	1.118	1.009	1.054	4.64
61)	T	Styrene			0.462	0.471	0.558	0.633	0.589	0.543	13.69
62)		Isopropylbenzene			1.450	1.571	1.586	1.604	1.545	1.551	3.90
63)	T	1,1,2,2-Tetrac...	1.258	0.848	0.703	0.722	0.749	0.760	0.742	0.826	23.74
64)		n-propylbenzene			0.333	0.378	0.412	0.431	0.412	0.393	9.81
65)		tert-Butylbenzene			1.307	1.432	1.488	1.447	1.436	1.422	4.78
66)	T	Benzyl Chloride			0.055	0.051	0.051	0.055	0.071	0.057	14.83
67)		sec-Butylbenzene			1.669	1.852	2.000	1.958	1.936	1.883	6.98
68)	S	1-Bromo-4-Fluo...	0.697	0.681	0.694	0.704	0.658	0.778	0.719	0.704	5.32
69)		p-Isopropyltol...			1.466	1.548	1.704	1.708	1.704	1.626	6.93
70)		n-Butylbenzene			1.225	1.340	1.494	1.582	1.615	1.451	11.36
71)		2-Chlorotoluene			0.896	1.014	1.079	1.154	1.061	1.041	9.16
72)	T	4-Ethyltoluene			1.034	1.178	1.300	1.380	1.338	1.246	11.26
73)	T	1,3,5-Trimethy...			1.117	1.102	1.163	1.243	1.260	1.177	6.11
74)	T	1,2,4-Trimethy...			1.054	1.225	1.313	1.297	1.286	1.235	8.64
75)	T	1,3-Dichlorobe...			0.707	0.759	0.794	0.818	0.831	0.782	6.40
76)	T	1,4-Dichlorobe...			0.724	0.654	0.810	0.810	0.836	0.767	9.96
77)	T	1,2-Dichlorobe...			0.700	0.748	0.749	0.787	0.809	0.759	5.53
78)	T	Hexachloro-1,3...			0.563	0.627	0.652	0.574	0.584	0.600	6.32
79)	T	Naphthalene			0.684	0.646	0.829	1.041	1.165	0.873	25.79
80)	T	Naphthalene,2-...			0.065	0.087	0.134	0.215	0.294	0.159	59.77
81)	T	1,2,4-Trichlor...			0.473	0.463	0.592	0.618	0.681	0.565	16.76

(#) = Out of Range