

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

Method File : VL091621AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021

Last Update : Thu Sep 16 13:42:46 2021

Response Via : Initial Calibration

Calibration Files

0.03=VL037615.D 0.1 =VL037614.D 0.5 =VL037611.D 1 =VL037610.D 2 =VL037613.D 10 =VL037612.D 15 =VL037616.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			2.006	1.638	2.148	1.948	1.309	1.810	18.58
3) Chlorodifluoro...			2.022	1.941	1.985	1.734	1.749	1.886	7.18
4) Chloromethane			0.741	0.692	0.725	0.655	0.671	0.697	5.17
5) T Vinyl Chloride	0.455	0.672	0.755	0.654	0.707	0.662	0.678	0.655	14.42
6) T Bromomethane			0.384	0.370	0.403	0.373	0.372	0.380	3.56
7) Chloroethane			0.277	0.249	0.238	0.220	0.238	0.245	8.48
8) T Dichlorotetra...			1.574	1.638	1.628	1.492	1.473	1.561	4.87
9) T Propene			0.713	0.653	0.690	0.610	0.660	0.665	5.86
10) T Heptane			1.363	1.532	1.668	1.584	1.615	1.553	7.54
11) T Trichlorofluor...			1.548	1.490	1.494	1.362	1.371	1.453	5.66
12) T 1,1,2-Trichlor...			1.150	1.100	1.096	0.986	1.029	1.072	6.02
13) Ethanol			0.073	0.066	0.072	0.061	0.055	0.065	11.48
14) T Bromoethene			0.500	0.504	0.493	0.459	0.484	0.488	3.72
15) T Acetone			1.257	1.183	1.136	0.799	0.820	1.039	20.59
16) T 1,3-Butadiene			0.693	0.606	0.664	0.628	0.655	0.649	5.12
17) tert-Butyl alc...			0.915	0.887	0.879	0.897	0.828	0.881	3.71
18) T 1,1-Dichloroet...			0.545	0.503	0.524	0.450	0.475	0.500	7.57
19) T Isopropyl Alcohol			0.622	0.623	0.555	0.531	0.496	0.565	9.94
20) T Methylene Chlo...			0.572	0.554	0.539	0.400	0.415	0.496	16.52
21) T Allyl Chloride			0.773	0.741	0.813	0.743	0.811	0.776	4.50
22) T trans-1,2-Dich...			0.534	0.508	0.494	0.470	0.507	0.503	4.69
23) T Vinyl Acetate			1.471	1.216	1.508	1.466	1.528	1.438	8.81
24) T 1,1-Dichloroet...			1.058	1.053	1.105	0.938	0.996	1.030	6.24
25) T Ethyl Acetate			2.410	2.475	2.726	2.460	2.511	2.516	4.87
26) T Hexane			1.138	1.179	1.288	1.183	1.189	1.195	4.64
27) T Carbon Disulfide			0.942	1.040	1.159	1.114	1.212	1.094	9.66
28) T Methyl tert-Bu...			1.003	1.004	1.219	1.005	1.034	1.053	8.88
29) T Chloroform			1.762	1.806	1.795	1.670	1.694	1.745	3.46
30) T Cyclohexane			1.115	1.005	0.998	0.986	1.008	1.022	5.14
31) T cis-1,2-Dichlo...			1.045	1.020	1.131	1.096	1.134	1.085	4.71
32) T 1,1,1-Trichlor...	1.550	1.691	1.613	1.585	1.719	1.599	1.619	1.625	3.66

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.443	0.431	0.415	0.375	0.369	0.406	8.13
35) T Carbon Tetrach...	0.579	0.549	0.543	0.557	0.602	0.566	0.564	0.566	3.50
36) T Benzene			0.801	0.834	0.899	0.821	0.814	0.834	4.61
37) T 1,2-Dichloroet...			0.433	0.404	0.411	0.402	0.400	0.410	3.27
38) T Trichloroethene	0.405	0.327	0.346	0.343	0.369	0.329	0.320	0.348	8.51
39) T 1,2-Dichloropr...			0.299	0.327	0.332	0.318	0.320	0.319	3.94

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40)	T	1,4-Dioxane			0.067	0.085	0.082	0.083	0.072	0.078	10.13
41)	T	Tetrahydrofuran			0.177	0.171	0.211	0.196	0.201	0.191	8.71
42)	T	Bromodichlorom...			0.572	0.556	0.618	0.602	0.591	0.588	4.14
43)		Methyl Methacr...			0.236	0.253	0.294	0.300	0.304	0.277	11.16
44)	T	2,2,4-Trimethy...			1.323	1.436	1.572	1.369	1.309	1.402	7.66
45)	T	t-1,3-Dichloro...			0.154	0.181	0.220	0.262	0.272	0.218	23.40
46)	T	cis-1,3-Dichlo...			0.227	0.252	0.310	0.339	0.344	0.294	17.84
47)	T	1,1,2-Trichlor...			0.355	0.362	0.376	0.343	0.330	0.353	5.04
48)	T	Dibromochlorom...			0.412	0.450	0.543	0.538	0.520	0.493	11.84
49)	T	Bromoform			0.295	0.352	0.426	0.459	0.440	0.394	17.56
50)	T	4-Methyl-2-Pen...			0.465	0.486	0.550	0.536	0.543	0.516	7.36
51)	T	2-Hexanone			0.183	0.201	0.239	0.253	0.262	0.228	14.98
52)	T	Tetrachloroethene	0.363	0.303	0.304	0.318	0.347	0.308	0.298	0.320	7.87
53)	T	Toluene			0.796	0.899	1.040	0.959	0.940	0.927	9.67
54)	T	1,2-Dibromoethane			0.468	0.480	0.504	0.490	0.476	0.484	2.90
-----ISTD-----											
55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.388	0.428	0.442	0.411	0.404	0.415	5.03
57)	T	Chlorobenzene			0.859	0.865	0.873	0.797	0.763	0.831	5.85
58)	T	Ethyl Benzene			1.137	1.321	1.456	1.380	1.343	1.327	8.89
59)	T	m/p-Xylene			1.089	1.180	1.251	1.150	1.113	1.157	5.48
60)	T	o-Xylene			1.046	1.128	1.213	1.081	1.037	1.101	6.53
61)	T	Styrene			0.402	0.471	0.597	0.626	0.619	0.543	18.55
62)		Isopropylbenzene			1.488	1.596	1.678	1.496	1.433	1.538	6.36
63)	T	1,1,2,2-Tetrac...	1.088	0.816	0.854	0.882	0.852	0.770	0.769	0.862	12.62
64)		n-propylbenzene			0.344	0.404	0.417	0.410	0.410	0.397	7.56
65)		tert-Butylbenzene			1.356	1.490	1.511	1.304	1.272	1.387	7.81
66)	T	Benzyl Chloride			0.065	0.064	0.068	0.081	0.101	0.076	20.53
67)		sec-Butylbenzene			1.779	1.984	2.086	1.803	1.756	1.882	7.75
68)	S	1-Bromo-4-Fluo...	0.732	0.694	0.715	0.722	0.702	0.768	0.725	0.723	3.31
69)		p-Isopropyltol...			1.383	1.582	1.707	1.520	1.494	1.537	7.73
70)		n-Butylbenzene			1.284	1.448	1.594	1.478	1.468	1.454	7.65
71)		2-Chlorotoluene			0.978	1.093	1.204	1.131	1.106	1.102	7.43
72)	T	4-Ethyltoluene			1.132	1.244	1.383	1.305	1.256	1.264	7.25
73)	T	1,3,5-Trimethy...			1.127	1.188	1.254	1.176	1.146	1.178	4.16
74)	T	1,2,4-Trimethy...			1.221	1.278	1.342	1.195	1.168	1.241	5.62
75)	T	1,3-Dichlorobe...			0.787	0.761	0.810	0.750	0.748	0.771	3.47
76)	T	1,4-Dichlorobe...			0.753	0.771	0.800	0.738	0.740	0.760	3.41
77)	T	1,2-Dichlorobe...			0.724	0.719	0.793	0.701	0.720	0.731	4.90
78)	T	Hexachloro-1,3...			0.680	0.680	0.694	0.506	0.518	0.615	15.36
79)	T	Naphthalene			0.573	0.700	0.772	0.843	0.922	0.762	17.57
80)	T	Naphthalene,2-...			0.099	0.156	0.101	0.231	0.283	0.174	46.80
81)	T	1,2,4-Trichlor...			0.407	0.490	0.514	0.500	0.535	0.489	10.04

(#) = Out of Range