

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

Method File : VL122121AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Dec 21 17:47:08 2021

Last Update : Tue Dec 21 17:47:08 2021

Response Via : Initial Calibration

Calibration Files

0.03=VL038217.D 0.1 =VL038216.D 0.5 =VL038215.D 1 =VL038214.D 2 =VL038213.D 10 =VL038212.D 15 =VL038218.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			2.502	1.946	1.893	1.540	1.541	1.884	20.92
3) Chlorodifluoro...			2.299	2.332	2.304	1.790	1.780	2.101	13.74
4) Chloromethane			0.823	0.814	0.740	0.639	0.627	0.729	12.79
5) T Vinyl Chloride	0.836	0.805	0.645	0.770	0.793	0.640	0.638	0.732	11.96
6) T Bromomethane			0.344	0.410	0.383	0.362	0.366	0.373	6.68
7) Chloroethane			0.247	0.260	0.279	0.227	0.220	0.247	9.80
8) T Dichlorotetra...			2.044	1.896	1.935	1.543	1.524	1.788	13.37
9) T Propene			0.804	0.828	0.787	0.631	0.598	0.730	14.63
10) T Heptane			1.984	2.053	2.073	1.601	1.543	1.851	13.90
11) T Trichlorofluor...			1.858	1.898	1.856	1.512	1.529	1.731	11.13
12) T 1,1,2-Trichlor...			1.444	1.409	1.425	1.140	1.118	1.307	12.48
13) Ethanol			0.164	0.168	0.138	0.085	0.063	0.124	38.49
14) T Bromoethene			0.576	0.506	0.565	0.474	0.483	0.521	9.02
15) T Acetone			1.236	1.101	1.126	0.769	0.786	1.004	21.18
16) T 1,3-Butadiene			0.753	0.687	0.749	0.615	0.614	0.684	9.96
17) tert-Butyl alc...			1.343	1.147	1.134	1.034	0.854	1.102	16.18
18) T 1,1-Dichloroet...			0.601	0.619	0.633	0.498	0.511	0.572	11.04
19) T Isopropyl Alcohol			0.808	0.671	0.621	0.552	0.479	0.626	19.94
20) T Methylene Chlo...			0.729	0.657	0.625	0.410	0.413	0.567	25.85
21) T Allyl Chloride			0.871	0.933	0.905	0.770	0.765	0.849	9.14
22) T trans-1,2-Dich...			0.589	0.594	0.634	0.553	0.549	0.584	5.94
23) T Vinyl Acetate			1.346	1.423	1.476	1.275	1.274	1.359	6.60
24) T 1,1-Dichloroet...			1.309	1.314	1.324	1.079	1.051	1.215	11.33
25) T Ethyl Acetate			2.773	2.973	3.049	2.407	2.393	2.719	11.33
26) T Hexane			1.545	1.521	1.508	1.134	1.113	1.364	16.15
27) T Carbon Disulfide			1.052	1.204	1.326	1.208	1.215	1.201	8.14
28) T Methyl tert-Bu...			1.491	1.443	1.509	1.219	1.193	1.371	11.14
29) T Chloroform			2.208	2.156	2.247	1.727	1.783	2.024	12.28
30) T Cyclohexane			1.272	1.318	1.373	1.075	1.003	1.208	13.30
31) T cis-1,2-Dichlo...			1.089	1.033	1.117	0.963	1.147	1.070	6.81
32) T 1,1,1-Trichlor...	2.220	2.024	1.845	2.149	2.207	1.799	1.816	2.009	9.35

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.312	0.310	0.328	0.276	0.278	0.301	7.59
35) T Carbon Tetrach...	0.637	0.567	0.616	0.638	0.681	0.577	0.605	0.617	6.31
36) T Benzene			1.012	0.992	1.034	0.811	0.815	0.933	11.82
37) T 1,2-Dichloroet...			0.497	0.472	0.500	0.422	0.449	0.468	7.06
38) T Trichloroethene	0.470	0.314	0.360	0.370	0.378	0.297	0.296	0.355	17.26
39) T 1,2-Dichloropr...			0.392	0.380	0.395	0.312	0.316	0.359	11.55

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40)	T	1,4-Dioxane		0.125	0.129	0.116	0.076	0.076	0.104	25.23
41)	T	Tetrahydrofuran		0.260	0.202	0.230	0.201	0.207	0.220	11.56
42)	T	Bromodichlorom...		0.661	0.664	0.730	0.629	0.646	0.666	5.79
43)		Methyl Methacr...		0.314	0.326	0.365	0.298	0.302	0.321	8.31
44)	T	2,2,4-Trimethy...		1.794	1.756	1.766	1.322	1.286	1.585	16.21
45)	T	t-1,3-Dichloro...		0.198	0.205	0.250	0.260	0.274	0.238	14.28
46)	T	cis-1,3-Dichlo...		0.296	0.317	0.354	0.334	0.343	0.329	6.87
47)	T	1,1,2-Trichlor...		0.404	0.397	0.413	0.327	0.323	0.373	11.80
48)	T	Dibromochlorom...		0.470	0.516	0.594	0.519	0.522	0.524	8.51
49)	T	Bromoform		0.302	0.344	0.439	0.387	0.389	0.372	13.87
50)	T	4-Methyl-2-Pen...		0.524	0.519	0.635	0.519	0.536	0.546	9.13
51)	T	2-Hexanone		0.302	0.215	0.301	0.241	0.249	0.262	14.69
52)	T	Tetrachloroethene	0.451 0.342	0.363	0.350	0.357	0.277	0.270	0.344	17.58
53)	T	Toluene		1.181	1.152	1.198	0.936	0.914	1.076	12.96
54)	T	1,2-Dibromoethane		0.554	0.550	0.583	0.478	0.477	0.529	9.10
-----ISTD-----										
55)	I	Chlorobenzene-d5								
56)		1,1,1,2-Tetrac...		0.431	0.448	0.455	0.368	0.378	0.416	9.67
57)	T	Chlorobenzene		1.034	0.957	0.917	0.712	0.717	0.867	16.81
58)	T	Ethyl Benzene		1.758	1.670	1.693	1.306	1.332	1.552	13.87
59)	T	m/p-Xylene		1.518	1.463	1.428	1.101	1.123	1.327	14.99
60)	T	o-Xylene		1.412	1.373	1.336	1.009	1.019	1.230	16.16
61)	T	Styrene		0.635	0.654	0.675	0.573	0.577	0.623	7.36
62)		Isopropylbenzene		1.970	1.898	1.894	1.427	1.444	1.727	15.49
63)	T	1,1,2,2-Tetrac...	1.258 1.045	0.976	0.954	0.942	0.713	0.733	0.946	19.66
64)		n-propylbenzene		0.454	0.474	0.471	0.367	0.381	0.429	11.97
65)		tert-Butylbenzene		1.740	1.728	1.694	1.214	1.224	1.520	18.11
66)	T	Benzyl Chloride		0.053	0.049	0.053	0.057	0.071	0.057	14.42
67)		sec-Butylbenzene		2.307	2.344	2.360	1.705	1.727	2.089	16.33
68)	S	1-Bromo-4-Fluo...	0.805 0.791	0.783	0.764	0.722	0.739	0.791	0.771	3.98
69)		p-Isopropyltol...		1.873	1.852	1.886	1.383	1.405	1.680	15.56
70)		n-Butylbenzene		1.738	1.743	1.791	1.335	1.378	1.597	13.83
71)		2-Chlorotoluene		1.435	1.409	1.430	1.048	1.103	1.285	14.98
72)	T	4-Ethyltoluene		1.497	1.565	1.540	1.215	1.266	1.416	11.54
73)	T	1,3,5-Trimethy...		1.316	1.410	1.404	1.097	1.111	1.268	12.14
74)	T	1,2,4-Trimethy...		1.393	1.527	1.524	1.096	1.117	1.331	15.96
75)	T	1,3-Dichlorobe...		0.724	0.803	0.805	0.619	0.644	0.719	12.06
76)	T	1,4-Dichlorobe...		0.846	0.724	0.765	0.602	0.630	0.714	13.99
77)	T	1,2-Dichlorobe...		0.738	0.748	0.776	0.581	0.600	0.689	13.20
78)	T	Hexachloro-1,3...		0.486	0.506	0.489	0.317	0.326	0.425	22.25
79)	T	Naphthalene		0.590	0.685	0.830	0.656	0.679	0.688	12.78
80)	T	Naphthalene,2-...		0.112	0.130	0.186	0.133	0.122	0.136	21.23
81)	T	1,2,4-Trichlor...		0.404	0.431	0.448	0.335	0.348	0.393	12.73

(#) = Out of Range