

Method Path : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\

Method File : VL122121AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LTue 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

	Compound	0.03	0.1	0.5	1	2	10	Avg	%RSD
1) I	Bromochloromethane	-----ISTD-----							
2) T	Dichlorodifluorom			2.502	1.946	1.893	1.540	1.884	20.92
3)	Chlorodifluoromet			2.299	2.332	2.304	1.790	2.101	13.74
4)	Chloromethane			0.823	0.814	0.740	0.639	0.729	12.79
5) T	Vinyl Chloride	0.836	0.805	0.645	0.770	0.793	0.640	0.732	11.96
6) T	Bromomethane			0.344	0.410	0.383	0.362	0.373	6.68
7)	Chloroethane			0.247	0.260	0.279	0.227	0.247	9.80
8) T	Dichlorotetrafluo			2.044	1.896	1.935	1.543	1.788	13.37
9) T	Propene			0.804	0.828	0.787	0.631	0.730	14.63
10) T	Heptane			1.984	2.053	2.073	1.601	1.851	13.90
11) T	Trichlorofluorome			1.858	1.898	1.856	1.512	1.731	11.13
12) T	1,1,2-Trichlorotr			1.444	1.409	1.425	1.140	1.307	12.48
13)	Ethanol			0.164	0.168	0.138	0.085	0.124	38.49
14) T	Bromoethene			0.576	0.506	0.565	0.474	0.521	9.02
15) T	Acetone			1.236	1.101	1.126	0.769	1.004	21.18
16) T	1,3-Butadiene			0.753	0.687	0.749	0.615	0.684	9.96
17)	tert-Butyl alcoho			1.343	1.147	1.134	1.034	1.102	16.18
18) T	1,1-Dichloroethen			0.601	0.619	0.633	0.498	0.572	11.04
19) T	Isopropyl Alcohol			0.808	0.671	0.621	0.552	0.626	19.94
20) T	Methylene Chlorid			0.729	0.657	0.625	0.410	0.567	25.85
21) T	Allyl Chloride			0.871	0.933	0.905	0.770	0.849	9.14
22) T	trans-1,2-Dichlor			0.589	0.594	0.634	0.553	0.584	5.94
23) T	Vinyl Acetate			1.346	1.423	1.476	1.275	1.359	6.60
24) T	1,1-Dichloroethan			1.309	1.314	1.324	1.079	1.215	11.33
25) T	Ethyl Acetate			2.773	2.973	3.049	2.407	2.719	11.33
26) T	Hexane			1.545	1.521	1.508	1.134	1.364	16.15
27) T	Carbon Disulfide			1.052	1.204	1.326	1.208	1.201	8.14
28) T	Methyl tert-Butyl			1.491	1.443	1.509	1.219	1.371	11.14
29) T	Chloroform			2.208	2.156	2.247	1.727	2.024	12.28
30) T	Cyclohexane			1.272	1.318	1.373	1.075	1.208	13.30
31) T	cis-1,2-Dichloroe			1.089	1.033	1.117	0.963	1.070	6.81
32) T	1,1,1-Trichloroet	2.220	2.024	1.845	2.149	2.207	1.799	2.009	9.35
33) I	1,4-Difluorobenzene	-----ISTD-----							
34) T	2-Butanone			0.312	0.310	0.328	0.276	0.301	7.59
35) T	Carbon Tetrachlor	0.637	0.567	0.616	0.638	0.681	0.577	0.617	6.31
36) T	Benzene			1.012	0.992	1.034	0.811	0.933	11.82
37) T	1,2-Dichloroethan			0.497	0.472	0.500	0.422	0.468	7.06
38) T	Trichloroethene	0.470	0.314	0.360	0.370	0.378	0.297	0.355	17.26
39) T	1,2-Dichloropropa			0.392	0.380	0.395	0.312	0.359	11.55
40) T	1,4-Dioxane			0.125	0.129	0.116	0.076	0.104	25.23
41) T	Tetrahydrofuran			0.260	0.202	0.230	0.201	0.220	11.56
42) T	Bromodichlorometh			0.661	0.664	0.730	0.629	0.666	5.79
43)	Methyl Methacryla			0.314	0.326	0.365	0.298	0.321	8.31
44) T	2,2,4-Trimethylpe			1.794	1.756	1.766	1.322	1.585	16.21
45) T	t-1,3-Dichloropro			0.198	0.205	0.250	0.260	0.238	14.28
46) T	cis-1,3-Dichlorop			0.296	0.317	0.354	0.334	0.329	6.87
47) T	1,1,2-Trichloroet			0.404	0.397	0.413	0.327	0.373	11.80
48) T	Dibromochlorometh			0.470	0.516	0.594	0.519	0.524	8.51
49) T	Bromoform			0.302	0.344	0.439	0.387	0.372	13.87
50) T	4-Methyl-2-Pentan			0.524	0.519	0.635	0.519	0.546	9.13
51) T	2-Hexanone			0.302	0.215	0.301	0.241	0.262	14.69
52) T	Tetrachloroethene	0.451	0.342	0.363	0.350	0.357	0.277	0.344	17.58

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	Compound	0.03	0.1	0.5	1	2	10	Avg	%RSD
53) T	Toluene			1.181	1.152	1.198	0.936	1.076	12.96
54) T	1,2-Dibromoethane			0.554	0.550	0.583	0.478	0.529	9.10
55) I	Chlorobenzene-d5	-----ISTD-----							
56)	1,1,1,2-Tetrachlo			0.431	0.448	0.455	0.368	0.416	9.67
57) T	Chlorobenzene			1.034	0.957	0.917	0.712	0.867	16.81
58) T	Ethyl Benzene			1.758	1.670	1.693	1.306	1.552	13.87
59) T	m/p-Xylene			1.518	1.463	1.428	1.101	1.327	14.99
60) T	o-Xylene			1.412	1.373	1.336	1.009	1.230	16.16
61) T	Styrene			0.635	0.654	0.675	0.573	0.623	7.36
62)	Isopropylbenzene			1.970	1.898	1.894	1.427	1.727	15.49
63) T	1,1,2,2-Tetrachlo	1.258	1.045	0.976	0.954	0.942	0.713	0.946	19.66
64)	n-propylbenzene			0.454	0.474	0.471	0.367	0.429	11.97
65)	tert-Butylbenzene			1.740	1.728	1.694	1.214	1.520	18.11
66) T	Benzyl Chloride			0.053	0.049	0.053	0.057	0.057	14.42
67)	sec-Butylbenzene			2.307	2.344	2.360	1.705	2.089	16.33
68) S	1-Bromo-4-Fluorob	0.805	0.791	0.783	0.764	0.722	0.739	0.771	3.98
69)	p-Isopropyltoluen			1.873	1.852	1.886	1.383	1.680	15.56
70)	n-Butylbenzene			1.738	1.743	1.791	1.335	1.597	13.83
71)	2-Chlorotoluene			1.435	1.409	1.430	1.048	1.285	14.98
72) T	4-Ethyltoluene			1.497	1.565	1.540	1.215	1.416	11.54
73) T	1,3,5-Trimethylbe			1.316	1.410	1.404	1.097	1.268	12.14
74) T	1,2,4-Trimethylbe			1.393	1.527	1.524	1.096	1.331	15.96
75) T	1,3-Dichlorobenze			0.724	0.803	0.805	0.619	0.719	12.06
76) T	1,4-Dichlorobenze			0.846	0.724	0.765	0.602	0.714	13.99
77) T	1,2-Dichlorobenze			0.738	0.748	0.776	0.581	0.689	13.20
78) T	Hexachloro-1,3-Bu			0.486	0.506	0.489	0.317	0.425	22.25
79) T	Naphthalene			0.590	0.685	0.830	0.656	0.688	12.78
80) T	Naphthalene,2-met			0.112	0.130	0.186	0.133	0.136	21.23
81) T	1,2,4-Trichlorobe			0.404	0.431	0.448	0.335	0.393	12.73

(#) = Out of Range ### Number of calibration levels exceeded format ###