

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\

Method File : VL091624AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

Last Update : Tue Sep 17 09:12:21 2024

Response Via : Initial Calibration

Calibration Files

0.03=VL041597.D 0.1 =VL041596.D 0.5 =VL041591.D 1 =VL041594.D 2 =VL041593.D 10 =VL041592.D 15 =VL041598.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			2.008	1.517	1.307	1.311	1.078	1.444	24.33
3) Chlorodifluoro...			1.427	1.234	1.245	1.104	1.055	1.213	11.94
4) Chloromethane			0.775	0.677	0.681	0.611	0.592	0.667	10.74
5) T Vinyl Chloride	0.459	0.525	0.634	0.633	0.625	0.587	0.580	0.578	11.28
6) T Bromomethane			0.325	0.277	0.298	0.274	0.262	0.287	8.62
7) Chloroethane			0.264	0.222	0.219	0.213	0.205	0.225	10.30
8) T Dichlorotetra...			1.783	1.546	1.526	1.422	1.298	1.515	11.84
9) T Propene			0.501	0.517	0.538	0.513	0.489	0.512	3.61
10) T Heptane			1.051	1.173	1.259	1.270	1.237	1.198	7.55
11) T Trichlorofluor...			1.732	1.636	1.535	1.429	1.353	1.537	9.95
12) T 1,1,2-Trichlor...			1.226	1.162	1.152	1.040	0.986	1.113	8.77
13) Ethanol			0.047	0.057	0.046	0.024	0.018	0.038#	42.94
14) T Bromoethene			0.429	0.421	0.427	0.423	0.410	0.422	1.76
15) T Acetone			1.775	1.244	1.240	1.027	0.990	1.255	24.97
16) T 1,3-Butadiene			0.674	0.612	0.622	0.579	0.566	0.611	6.93
17) tert-Butyl alc...			1.085	1.138	1.172	1.090	1.036	1.104	4.75
18) T 1,1-Dichloroet...			0.463	0.490	0.482	0.476	0.445	0.471	3.79
19) T Isopropyl Alcohol			0.690	0.659	0.674	0.625	0.566	0.643	7.61
20) T Methylene Chlo...			0.675	0.478	0.453	0.388	0.365	0.472	26.01
21) T Allyl Chloride			0.729	0.717	0.763	0.734	0.695	0.728	3.40
22) T trans-1,2-Dich...			0.497	0.462	0.488	0.460	0.443	0.470	4.65
23) T Vinyl Acetate			0.710	0.652	0.713	0.690	0.688	0.691	3.54
24) T 1,1-Dichloroet...			1.141	1.056	1.053	0.992	0.939	1.036	7.31
25) T Ethyl Acetate			2.106	2.286	2.408	2.286	2.184	2.254	5.08
26) T Hexane			0.979	0.924	0.974	0.927	0.895	0.940	3.81
27) T Carbon Disulfide			0.865	0.940	1.005	1.108	1.077	0.999	9.93
28) T Methyl tert-Bu...			0.628	0.578	0.604	0.558	0.530	0.579	6.60
29) T Chloroform			1.715	1.573	1.543	1.457	1.402	1.538	7.81
30) T Cyclohexane			0.603	0.670	0.780	0.785	0.785	0.725	11.57
31) T cis-1,2-Dichlo...			0.837	0.885	0.948	0.900	0.892	0.892	4.44
32) T 1,1,1-Trichlor...	1.165	1.138	1.529	1.452	1.479	1.438	1.389	1.370	11.32

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.521	0.437	0.500	0.470	0.456	0.477	7.07
35) T Carbon Tetrach...	0.363	0.395	0.536	0.518	0.555	0.543	0.525	0.491	15.89
36) T Benzene			0.640	0.677	0.746	0.714	0.696	0.694	5.71
37) T 1,2-Dichloroet...			0.409	0.406	0.413	0.399	0.388	0.403	2.48
38) T Trichloroethene	0.347	0.305	0.358	0.357	0.394	0.378	0.364	0.358	7.80
39) T 1,2-Dichloropr...			0.293	0.278	0.297	0.275	0.270	0.283	4.16

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40) T	1,4-Dioxane			0.111	0.100	0.115	0.114	0.093	0.107	9.00
41) T	Tetrahydrofuran			0.209	0.257	0.272	0.289	0.285	0.262	12.31
42) T	Bromodichlorom...			0.546	0.557	0.572	0.573	0.554	0.561	2.07
43) T	Methyl Methacr...			0.195	0.225	0.261	0.281	0.280	0.249	15.02
44) T	2,2,4-Trimethy...			1.133	1.210	1.304	1.210	1.150	1.202	5.59
45) T	t-1,3-Dichloro...			0.146	0.157	0.194	0.247	0.259	0.200	25.54
46) T	cis-1,3-Dichlo...			0.197	0.256	0.306	0.353	0.355	0.294	22.93
47) T	1,1,2-Trichlor...			0.297	0.303	0.312	0.299	0.290	0.300	2.69
48) T	Dibromochlorom...			0.402	0.428	0.461	0.493	0.487	0.455	8.52
49) T	Bromoform			0.324	0.363	0.401	0.432	0.431	0.390	11.89
50) T	4-Methyl-2-Pen...			0.616	0.697	0.804	0.793	0.771	0.736	10.74
51) T	2-Hexanone			0.419	0.510	0.603	0.631	0.622	0.557	16.33
52) T	Tetrachloroethene	0.218	0.216	0.248	0.268	0.277	0.267	0.266	0.251	9.96
53) T	Toluene			0.526	0.703	0.806	0.834	0.816	0.737	17.42
54) T	1,2-Dibromoethane	0.259		0.370	0.379	0.402	0.407	0.399	0.369	15.11
-----ISTD-----										
55) I	Chlorobenzene-d5									
56) T	1,1,1,2-Tetrac...			0.421	0.401	0.406	0.378	0.345	0.390	7.55
57) T	Chlorobenzene			0.793	0.767	0.739	0.685	0.621	0.721	9.51
58) T	Ethyl Benzene			0.838	1.096	1.179	1.173	1.067	1.070	12.97
59) T	m/p-Xylene			0.830	0.974	1.061	0.996	0.904	0.953	9.31
60) T	o-Xylene			0.782	0.931	1.016	0.960	0.878	0.913	9.75
61) T	Styrene			0.247	0.338	0.413	0.468	0.442	0.382	23.54
62) T	Isopropylbenzene			1.282	1.461	1.522	1.394	1.260	1.384	8.14
63) T	1,1,2,2-Tetrac...	0.418	0.394	0.547	0.532	0.510	0.456	0.413	0.467	13.31
64) T	n-propylbenzene			0.308	0.356	0.401	0.375	0.347	0.357	9.56
65) T	tert-Butylbenzene			1.181	1.338	1.433	1.256	1.134	1.269	9.47
66) T	Benzyl Chloride			0.064	0.064	0.065	0.067	0.069	0.066	3.08
67) T	sec-Butylbenzene			1.575	1.882	2.001	1.770	1.572	1.760	10.74
68) S	1-Bromo-4-Fluo...	0.737	0.751	0.749	0.749	0.723	0.744	0.701	0.736	2.47
69) T	p-Isopropyltol...			1.164	1.476	1.677	1.481	1.325	1.425	13.46
70) T	n-Butylbenzene			1.271	1.572	1.732	1.520	1.368	1.492	12.04
71) T	2-Chlorotoluene			0.917	1.047	1.121	1.050	0.957	1.018	8.00
72) T	4-Ethyltoluene			0.850	1.086	1.197	1.154	1.052	1.068	12.57
73) T	1,3,5-Trimethy...			0.790	0.975	1.054	0.988	0.907	0.943	10.63
74) T	1,2,4-Trimethy...			0.986	1.181	1.267	1.095	0.989	1.104	11.09
75) T	1,3-Dichlorobe...			0.676	0.712	0.766	0.680	0.624	0.692	7.56
76) T	1,4-Dichlorobe...			0.598	0.708	0.733	0.661	0.614	0.663	8.77
77) T	1,2-Dichlorobe...			0.687	0.711	0.754	0.658	0.604	0.683	8.25
78) T	Hexachloro-1,3...			0.607	0.621	0.635	0.491	0.461	0.563	14.33
79) T	Naphthalene	0.311		0.570	0.869	1.107	1.031	0.985	0.812	38.05
80) T	Naphthalene,2-...			0.267	0.435	0.613	0.749	0.781	0.569	38.19
81) T	1,2,4-Trichlor...			0.405	0.503	0.607	0.543	0.524	0.516	14.24

(#) = Out of Range