

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

Method File : VL081523AIR.M

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

Last Update : Wed Aug 16 05:43:50 2023

Response Via : Initial Calibration

Calibration Files

0.03=VL040634.D 0.1 =VL040633.D 0.5 =VL040628.D 1 =VL040631.D 2 =VL040630.D 10 =VL040629.D 15 =VL040635.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			2.356	2.315	2.307	1.903	1.888	2.154	11.00
3) Chlorodifluoro...			1.831	1.757	1.784	1.447	1.390	1.642	12.57
4) Chloromethane			0.748	0.644	0.703	0.574	0.532	0.640	13.91
5) T Vinyl Chloride	0.779	0.579	0.707	0.732	0.736	0.617	0.611	0.680	11.27
6) T Bromomethane			0.395	0.356	0.381	0.319	0.331	0.356	9.04
7) Chloroethane			0.268	0.258	0.261	0.224	0.230	0.248	8.08
8) T Dichlorotetra...			1.854	1.900	1.873	1.541	1.550	1.743	10.42
9) T Propene			0.575	0.526	0.554	0.474	0.414	0.509	12.75
10) T Heptane			1.155	1.161	1.309	1.146	1.086	1.172	7.05
11) T Trichlorofluor...			1.788	1.836	1.845	1.549	1.676	1.739	7.23
12) T 1,1,2-Trichlor...			1.351	1.382	1.371	1.137	1.212	1.291	8.52
13) Ethanol			0.140	0.161	0.163	0.131	0.115	0.142	14.26
14) T Bromoethene			0.526	0.541	0.571	0.492	0.492	0.524	6.43
15) T Acetone			1.408	1.231	1.336	1.062	1.079	1.223	12.50
16) T 1,3-Butadiene			0.641	0.615	0.675	0.567	0.543	0.608	8.82
17) tert-Butyl alc...			1.259	1.345	1.364	1.281	1.238	1.297	4.22
18) T 1,1-Dichloroet...			0.616	0.600	0.626	0.517	0.565	0.585	7.61
19) T Isopropyl Alcohol			0.730	0.774	0.850	0.787	0.737	0.776	6.23
20) T Methylene Chlo...			0.754	0.710	0.618	0.441	0.465	0.598	23.59
21) T Allyl Chloride			0.876	0.818	0.856	0.760	0.735	0.809	7.49
22) T trans-1,2-Dich...			0.602	0.561	0.603	0.537	0.568	0.574	4.95
23) T Vinyl Acetate			1.360	1.520	1.431	1.316	1.342	1.394	5.93
24) T 1,1-Dichloroet...			1.168	1.297	1.287	1.076	1.131	1.192	8.14
25) T Ethyl Acetate			2.459	2.457	2.556	2.042	1.971	2.297	11.73
26) T Hexane			1.319	1.185	1.229	0.944	0.880	1.111	17.08
27) T Carbon Disulfide			1.178	1.323	1.396	1.316	1.403	1.323	6.84
28) T Methyl tert-Bu...			0.909	0.860	0.929	0.800	0.797	0.859	7.08
29) T Chloroform			1.939	1.878	1.870	1.565	1.544	1.759	10.73
30) T Cyclohexane			0.913	0.860	0.943	0.795	0.740	0.850	9.83
31) T cis-1,2-Dichlo...			0.980	1.010	1.153	0.963	0.911	1.003	9.07
32) T 1,1,1-Trichlor...	1.938	1.372	1.722	1.758	1.847	1.569	1.586	1.685	11.33

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.506	0.507	0.556	0.481	0.472	0.504	6.49
35) T Carbon Tetrach...	0.657	0.503	0.609	0.650	0.684	0.612	0.665	0.626	9.69
36) T Benzene			0.834	0.771	0.891	0.757	0.724	0.796	8.38
37) T 1,2-Dichloroet...			0.460	0.483	0.520	0.451	0.485	0.480	5.63
38) T Trichloroethene	0.374	0.231	0.305	0.314	0.328	0.297	0.306	0.308	13.82
39) T 1,2-Dichloropr...			0.311	0.307	0.326	0.286	0.282	0.303	6.01

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40) T	1,4-Dioxane			0.081	0.101	0.143	0.124	0.124	0.115	20.99
41) T	Tetrahydrofuran			0.290	0.280	0.311	0.280	0.265	0.285	5.95
42) T	Bromodichlorom...			0.621	0.647	0.722	0.653	0.696	0.668	6.08
43) T	Methyl Methacr...			0.258	0.291	0.324	0.309	0.308	0.298	8.38
44) T	2,2,4-Trimethy...			1.258	1.283	1.431	1.240	1.216	1.286	6.61
45) T	t-1,3-Dichloro...			0.184	0.204	0.246	0.269	0.286	0.238	17.98
46) T	cis-1,3-Dichlo...			0.239	0.266	0.308	0.316	0.323	0.290	12.55
47) T	1,1,2-Trichlor...			0.349	0.346	0.367	0.323	0.324	0.342	5.49
48) T	Dibromochlorom...			0.463	0.514	0.572	0.544	0.581	0.535	9.00
49) T	Bromoform			0.379	0.374	0.452	0.449	0.490	0.429	11.77
50) T	4-Methyl-2-Pen...			0.675	0.711	0.815	0.736	0.747	0.737	7.01
51) T	2-Hexanone			0.429	0.482	0.573	0.543	0.569	0.519	12.01
52) T	Tetrachloroethene	0.234	0.162	0.271	0.266	0.287	0.261	0.263	0.249	16.70
53) T	Toluene			0.744	0.802	0.939	0.879	0.864	0.845	8.84
54) T	1,2-Dibromoethane	0.279		0.450	0.442	0.501	0.464	0.475	0.435	18.18
-----ISTD-----										
55) I	Chlorobenzene-d5									
56) T	1,1,1,2-Tetrac...			0.499	0.474	0.486	0.409	0.446	0.463	7.75
57) T	Chlorobenzene			0.838	0.788	0.824	0.688	0.722	0.772	8.44
58) T	Ethyl Benzene			1.044	1.169	1.357	1.205	1.254	1.206	9.51
59) T	m/p-Xylene			1.047	1.099	1.211	1.032	1.111	1.100	6.41
60) T	o-Xylene			0.948	1.044	1.155	0.990	1.076	1.043	7.66
61) T	Styrene			0.324	0.403	0.510	0.510	0.538	0.457	19.85
62) T	Isopropylbenzene			1.590	1.583	1.724	1.443	1.550	1.578	6.37
63) T	1,1,2,2-Tetrac...	0.830	0.597	0.831	0.837	0.876	0.715	0.781	0.781	12.29
64) T	n-propylbenzene			0.388	0.397	0.432	0.373	0.404	0.399	5.45
65) T	tert-Butylbenzene			1.284	1.387	1.528	1.261	1.378	1.368	7.72
66) T	Benzyl Chloride			0.144	0.162	0.178	0.171	0.204	0.172	12.83
67) T	sec-Butylbenzene			1.935	2.035	2.244	1.813	1.949	1.995	8.01
68) S	1-Bromo-4-Fluo...	0.812	0.795	0.775	0.786	0.760	0.769	0.871	0.795	4.69
69) T	p-Isopropyltol...			1.434	1.570	1.760	1.462	1.580	1.561	8.22
70) T	n-Butylbenzene			1.500	1.737	1.954	1.600	1.730	1.704	10.03
71) T	2-Chlorotoluene			1.060	1.165	1.306	1.116	1.207	1.171	7.97
72) T	4-Ethyltoluene			1.025	1.148	1.300	1.160	1.253	1.177	9.01
73) T	1,3,5-Trimethy...			0.994	1.033	1.162	0.988	1.083	1.052	6.87
74) T	1,2,4-Trimethy...			1.210	1.250	1.346	1.108	1.229	1.229	6.92
75) T	1,3-Dichlorobe...			0.745	0.683	0.773	0.649	0.703	0.710	6.93
76) T	1,4-Dichlorobe...			0.762	0.655	0.733	0.637	0.686	0.694	7.54
77) T	1,2-Dichlorobe...			0.758	0.704	0.749	0.616	0.668	0.699	8.39
78) T	Hexachloro-1,3...			0.604	0.562	0.578	0.427	0.480	0.530	13.97
79) T	Naphthalene	0.262		0.719	0.831	1.058	0.946	1.053	0.811	36.90
80) T	Naphthalene,2-...			0.132	0.167	0.238	0.294	0.337	0.234	36.58
81) T	1,2,4-Trichlor...			0.497	0.508	0.583	0.511	0.572	0.534	7.54

(#) = Out of Range