

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

Method File : VL041725AIR.M

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

Last Update : Fri Apr 18 02:14:00 2025

Response Via : Initial Calibration

Calibration Files

0.03=VL042354.D 0.1 =VL042353.D 0.5 =VL042352.D 1 =VL042351.D 2 =VL042350.D 10 =VL042349.D 15 =VL042355.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.831	1.837	1.827	1.658	1.682	1.767	5.05
3) Chlorodifluoro...			1.876	1.657	1.698	1.573	1.608	1.682	7.01
4) Chloromethane			0.752	0.725	0.701	0.652	0.665	0.699	5.93
5) T Vinyl Chloride	1.002	0.911	0.731	0.709	0.689	0.638	0.647	0.761	18.39
6) T Bromomethane			0.397	0.330	0.300	0.304	0.303	0.327	12.56
7) Chloroethane			0.303	0.287	0.280	0.253	0.255	0.275	7.76
8) T Dichlorotetra...			1.556	1.550	1.581	1.432	1.465	1.517	4.25
9) T Propene			0.880	0.797	0.758	0.690	0.707	0.766	9.95
10) T Heptane			2.444	2.296	2.209	1.884	1.931	2.153	11.14
11) T Trichlorofluor...			1.684	1.806	1.746	1.567	1.597	1.680	5.95
12) T 1,1,2-Trichlor...			1.389	1.439	1.437	1.281	1.323	1.374	5.11
13) Ethanol			0.275	0.139	0.123	0.035	0.036	0.122	80.54
14) T Bromoethene			0.537	0.545	0.530	0.490	0.487	0.518	5.24
15) T Acetone			1.968	1.895	1.743	1.263	1.316	1.637	20.03
16) T 1,3-Butadiene			1.015	0.836	0.735	0.651	0.678	0.783	18.90
17) tert-Butyl alc...			2.263	2.132	2.103	1.804	1.841	2.029	9.76
18) T 1,1-Dichloroet...			0.735	0.635	0.637	0.583	0.618	0.642	8.79
19) T Isopropyl Alcohol			1.050	0.980	0.897	0.821	0.798	0.909	11.66
20) T Methylene Chlo...			0.875	0.728	0.582	0.498	0.523	0.641	24.71
21) T Allyl Chloride			1.276	1.213	1.110	0.973	1.080	1.130	10.44
22) T trans-1,2-Dich...			0.814	0.759	0.736	0.664	0.681	0.731	8.32
23) T Vinyl Acetate			0.656	0.744	0.749	0.555	0.610	0.663	12.72
24) T 1,1-Dichloroet...			1.452	1.469	1.383	1.284	1.352	1.388	5.43
25) T Ethyl Acetate			4.428	4.147	4.118	3.677	3.812	4.036	7.34
26) T Hexane			1.899	1.719	1.625	1.424	1.499	1.633	11.45
27) T Carbon Disulfide			1.903	1.670	1.785	1.668	1.718	1.749	5.63
28) T Methyl tert-Bu...			1.134	1.141	1.132	0.940	1.004	1.070	8.64
29) T Chloroform			2.458	2.333	2.392	2.145	2.215	2.309	5.54
30) T Cyclohexane			1.422	1.333	1.347	1.252	1.249	1.320	5.50
31) T cis-1,2-Dichlo...			1.588	1.603	1.593	1.459	1.522	1.553	3.95
32) T 1,1,1-Trichlor...	3.110	2.840	2.557	2.549	2.493	2.274	2.369	2.599	11.03

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.886	0.826	0.818	0.687	0.737	0.791	9.94
35) T Carbon Tetrach...	1.319	0.914	0.832	0.830	0.847	0.770	0.823	0.905	20.70
36) T Benzene			1.146	1.075	1.121	1.002	1.048	1.079	5.31
37) T 1,2-Dichloroet...			0.691	0.647	0.666	0.592	0.641	0.647	5.63
38) T Trichloroethene	0.643	0.505	0.443	0.448	0.447	0.395	0.419	0.471	17.59
39) T 1,2-Dichloropr...			0.441	0.413	0.405	0.370	0.381	0.402	6.97

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40) T	1,4-Dioxane			0.263	0.243	0.232	0.182	0.185	0.221	16.27
41) T	Tetrahydrofuran			0.518	0.480	0.468	0.409	0.432	0.461	9.20
42) T	Bromodichlorom...			0.943	0.909	0.912	0.852	0.889	0.901	3.71
43) T	Methyl Methacr...			0.545	0.520	0.495	0.430	0.441	0.486	10.21
44) T	2,2,4-Trimethy...			1.935	1.916	1.962	1.708	1.794	1.863	5.79
45) T	t-1,3-Dichloro...			0.514	0.510	0.509	0.459	0.491	0.497	4.60
46) T	cis-1,3-Dichlo...			0.613	0.617	0.637	0.570	0.603	0.608	4.05
47) T	1,1,2-Trichlor...			0.423	0.429	0.420	0.376	0.399	0.410	5.32
48) T	Dibromochlorom...			0.743	0.721	0.746	0.679	0.729	0.723	3.70
49) T	Bromoform			0.622	0.623	0.675	0.616	0.627	0.633	3.82
50) T	4-Methyl-2-Pen...			1.541	1.382	1.435	1.082	1.132	1.314	15.12
51) T	2-Hexanone			1.341	1.311	1.411	0.893	0.938	1.179	20.69
52) T	Tetrachloroethene	0.543	0.452	0.420	0.393	0.391	0.357	0.363	0.417	15.46
53) T	Toluene			1.371	1.295	1.370	1.193	1.244	1.294	6.03
54) T	1,2-Dibromoethane		0.621	0.582	0.605	0.606	0.539	0.562	0.586	5.27
-----ISTD-----										
55) I	Chlorobenzene-d5									
56) T	1,1,1,2-Tetrac...			0.621	0.640	0.635	0.550	0.581	0.605	6.37
57) T	Chlorobenzene			1.129	1.067	1.068	0.956	0.981	1.040	6.79
58) T	Ethyl Benzene			2.029	2.088	2.068	1.832	1.890	1.981	5.73
59) T	m/p-Xylene			1.685	1.682	1.658	1.456	1.500	1.596	6.86
60) T	o-Xylene			1.740	1.697	1.668	1.442	1.490	1.607	8.25
61) T	Styrene			0.792	0.776	0.808	0.726	0.734	0.767	4.68
62) T	Isopropylbenzene			2.517	2.470	2.439	2.170	2.202	2.360	6.83
63) T	1,1,2,2-Tetrac...	1.407	1.176	0.990	0.985	0.968	0.873	0.892	1.042	18.12
64) T	n-propylbenzene			0.645	0.605	0.610	0.542	0.564	0.593	6.81
65) T	tert-Butylbenzene			2.319	2.358	2.315	1.907	1.945	2.169	10.27
66) T	Benzyl Chloride			0.241	0.239	0.258	0.246	0.208	0.238	7.84
67) T	sec-Butylbenzene			3.242	3.219	3.253	2.662	2.709	3.017	10.05
68) S	1-Bromo-4-Fluo...	0.819	0.814	0.824	0.818	0.822	0.831	0.825	0.822	0.69
69) T	p-Isopropyltol...			2.834	2.818	2.811	2.304	2.338	2.621	10.46
70) T	n-Butylbenzene			2.985	2.926	2.953	2.370	2.414	2.730	11.33
71) T	2-Chlorotoluene			1.972	1.924	1.920	1.695	1.744	1.851	6.65
72) T	4-Ethyltoluene			2.055	2.118	2.054	1.765	1.833	1.965	7.92
73) T	1,3,5-Trimethy...			1.894	1.851	1.841	1.517	1.570	1.735	10.19
74) T	1,2,4-Trimethy...			2.348	2.245	2.168	1.671	1.698	2.026	15.71
75) T	1,3-Dichlorobe...			1.119	1.121	1.119	0.948	0.960	1.053	8.64
76) T	1,4-Dichlorobe...			1.138	1.115	1.122	0.944	0.974	1.059	8.69
77) T	1,2-Dichlorobe...			1.085	1.093	1.114	0.904	0.924	1.024	9.88
78) T	Hexachloro-1,3...			1.163	1.136	1.135	0.863	0.874	1.034	14.66
79) T	Naphthalene		2.433	2.395	2.756	2.909	2.004	2.040	2.423	15.11
80) T	Naphthalene,2-...			1.311	1.534	1.777	1.115	1.168	1.381	19.88
81) T	1,2,4-Trichlor...			1.026	1.117	1.224	0.905	0.929	1.040	12.75

(#) = Out of Range