

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

Method File : VL050125AIR.M

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

Last Update : Fri May 02 03:16:31 2025

Response Via : Initial Calibration

Calibration Files

0.03=VL042466.D 0.1 =VL042462.D 0.5 =VL042461.D 1 =VL042460.D 2 =VL042459.D 10 =VL042458.D 15 =VL042465.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.887	1.650	1.629	1.470	1.639	1.655	9.01
3) Chlorodifluoro...			1.886	1.871	1.820	1.569	1.602	1.750	8.71
4) Chloromethane			0.738	0.696	0.734	0.624	0.666	0.692	6.90
5) T Vinyl Chloride	0.756	0.964	0.708	0.625	0.623	0.567	0.631	0.696	19.18
6) T Bromomethane			0.349	0.359	0.327	0.286	0.324	0.329	8.64
7) Chloroethane			0.250	0.272	0.271	0.231	0.261	0.257	6.55
8) T Dichlorotetra...			1.445	1.371	1.402	1.235	1.368	1.364	5.77
9) T Propene			0.585	0.606	0.631	0.525	0.515	0.572	8.84
10) T Heptane			1.276	1.634	1.593	1.445	1.474	1.484	9.48
11) T Trichlorofluor...			1.660	1.489	1.528	1.376	1.582	1.527	6.96
12) T 1,1,2-Trichlor...			1.318	1.234	1.245	1.099	1.201	1.219	6.52
13) Ethanol			0.138	0.136	0.143	0.080	0.084	0.116	27.19
14) T Bromoethene			0.488	0.443	0.457	0.398	0.466	0.450	7.39
15) T Acetone			2.229	2.094	2.022	1.318	1.465	1.826	22.28
16) T 1,3-Butadiene			0.883	0.874	0.836	0.681	0.751	0.805	10.77
17) tert-Butyl alc...			1.816	1.615	1.620	1.489	1.502	1.608	8.15
18) T 1,1-Dichloroet...			0.650	0.587	0.567	0.495	0.547	0.569	9.98
19) T Isopropyl Alcohol			1.221	1.087	0.976	0.876	0.891	1.010	14.33
20) T Methylene Chlo...			0.753	0.547	0.518	0.449	0.477	0.549	21.88
21) T Allyl Chloride			1.283	1.181	1.164	1.076	1.166	1.174	6.25
22) T trans-1,2-Dich...			0.741	0.742	0.645	0.552	0.644	0.665	11.96
23) T Vinyl Acetate			1.898	1.521	1.810	1.726	1.756	1.742	8.03
24) T 1,1-Dichloroet...			1.432	1.465	1.368	1.196	1.322	1.357	7.79
25) T Ethyl Acetate			3.002	3.044	2.945	2.832	2.792	2.923	3.69
26) T Hexane			1.278	1.290	1.345	1.215	1.239	1.273	3.91
27) T Carbon Disulfide			1.509	1.446	1.499	1.418	1.558	1.486	3.69
28) T Methyl tert-Bu...			0.802	0.853	0.759	0.671	0.740	0.765	8.91
29) T Chloroform			2.551	2.482	2.399	2.198	2.301	2.386	5.89
30) T Cyclohexane			1.135	0.998	1.096	1.045	1.048	1.065	4.92
31) T cis-1,2-Dichlo...			1.551	1.604	1.545	1.342	1.386	1.486	7.71
32) T 1,1,1-Trichlor...	2.980	2.842	2.567	2.501	2.511	2.288	2.433	2.589	9.28

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.802	0.732	0.774	0.659	0.650	0.723	9.32
35) T Carbon Tetrach...	1.166	0.799	0.856	0.935	0.875	0.827	0.902	0.908	13.44
36) T Benzene			0.924	0.974	1.036	0.892	0.892	0.944	6.53
37) T 1,2-Dichloroet...			0.738	0.755	0.769	0.666	0.709	0.727	5.66
38) T Trichloroethene	0.241	0.419	0.389	0.364	0.404	0.347	0.355	0.360	16.31
39) T 1,2-Dichloropr...			0.368	0.405	0.362	0.317	0.315	0.353	10.71

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40)	T	1,4-Dioxane			0.176	0.185	0.172	0.151	0.144	0.165	10.60
41)	T	Tetrahydrofuran			0.329	0.354	0.387	0.326	0.322	0.344	7.98
42)	T	Bromodichlorom...			0.848	0.921	0.931	0.839	0.904	0.889	4.77
43)		Methyl Methacr...			0.328	0.341	0.362	0.363	0.366	0.352	4.72
44)	T	2,2,4-Trimethy...			1.490	1.590	1.633	1.437	1.498	1.530	5.23
45)	T	t-1,3-Dichloro...			0.438	0.423	0.460	0.480	0.510	0.462	7.46
46)	T	cis-1,3-Dichlo...			0.526	0.539	0.549	0.555	0.577	0.549	3.47
47)	T	1,1,2-Trichlor...			0.372	0.409	0.428	0.357	0.371	0.387	7.74
48)	T	Dibromochlorom...			0.651	0.643	0.673	0.630	0.674	0.654	2.96
49)	T	Bromoform			0.540	0.535	0.573	0.527	0.568	0.549	3.73
50)	T	4-Methyl-2-Pen...			0.852	0.980	0.985	0.870	0.887	0.915	6.92
51)	T	2-Hexanone			0.649	0.754	0.797	0.722	0.736	0.731	7.42
52)	T	Tetrachloroethene	0.509	0.380	0.325	0.339	0.338	0.305	0.318	0.359	19.49
53)	T	Toluene			0.935	0.969	1.025	1.016	1.050	0.999	4.64
54)	T	1,2-Dibromoethane		0.625	0.589	0.599	0.610	0.554	0.577	0.592	4.26
-----ISTD-----											
55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.618	0.633	0.596	0.542	0.564	0.591	6.38
57)	T	Chlorobenzene			1.101	1.060	1.036	0.904	0.923	1.005	8.64
58)	T	Ethyl Benzene			1.492	1.634	1.752	1.725	1.754	1.671	6.68
59)	T	m/p-Xylene			1.212	1.378	1.506	1.429	1.479	1.401	8.31
60)	T	o-Xylene			1.197	1.393	1.519	1.423	1.481	1.403	8.90
61)	T	Styrene			0.415	0.500	0.538	0.583	0.582	0.523	13.35
62)		Isopropylbenzene			1.781	2.030	2.165	2.033	2.108	2.023	7.26
63)	T	1,1,2,2-Tetrac...	1.140	0.945	0.976	0.985	0.990	0.846	0.887	0.967	9.69
64)		n-propylbenzene			0.400	0.524	0.549	0.482	0.518	0.495	11.75
65)		tert-Butylbenzene			1.519	1.791	2.028	1.817	1.873	1.806	10.23
66)	T	Benzyl Chloride			0.158	0.204	0.195	0.232	0.255	0.209	17.73
67)		sec-Butylbenzene			2.149	2.560	2.905	2.541	2.675	2.566	10.69
68)	S	1-Bromo-4-Fluo...	0.920	0.911	0.902	0.928	0.915	0.951	0.963	0.927	2.39
69)		p-Isopropyltol...			1.805	2.166	2.406	2.150	2.283	2.162	10.39
70)		n-Butylbenzene			1.802	2.218	2.560	2.198	2.396	2.235	12.66
71)		2-Chlorotoluene			1.405	1.569	1.697	1.597	1.667	1.587	7.20
72)	T	4-Ethyltoluene			1.281	1.647	1.828	1.722	1.792	1.654	13.28
73)	T	1,3,5-Trimethy...			1.177	1.467	1.618	1.475	1.535	1.455	11.44
74)	T	1,2,4-Trimethy...			1.568	1.788	2.075	1.646	1.723	1.760	11.07
75)	T	1,3-Dichlorobe...			0.975	1.022	1.056	0.893	0.952	0.980	6.42
76)	T	1,4-Dichlorobe...			0.869	0.945	0.966	0.907	0.949	0.927	4.22
77)	T	1,2-Dichlorobe...			0.977	1.007	1.033	0.864	0.914	0.959	7.23
78)	T	Hexachloro-1,3...			1.028	1.081	1.070	0.772	0.838	0.958	14.93
79)	T	Naphthalene		0.720	1.168	1.657	2.155	1.527	1.661	1.482	33.01
80)	T	Naphthalene,2-...			0.498	0.925	1.573	1.172	1.338	1.101	37.38
81)	T	1,2,4-Trichlor...			0.599	0.798	0.947	0.778	0.828	0.790	15.84

(#) = Out of Range