

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

Method File : VL010925AIR.M

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

Last Update : Fri Jan 10 00:31:30 2025

Response Via : Initial Calibration

Calibration Files

0.03=VL041864.D 0.1 =VL041863.D 0.5 =VL041862.D 1 =VL041861.D 2 =VL041860.D 10 =VL041859.D 15 =VL041865.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.790	1.746	1.644	1.508	1.521	1.642	7.77
3) Chlorodifluoro...			1.980	1.875	1.875	1.648	1.638	1.803	8.46
4) Chloromethane			0.661	0.675	0.683	0.571	0.601	0.638	7.73
5) T Vinyl Chloride	0.889	0.745	0.671	0.653	0.628	0.576	0.589	0.679	15.97
6) T Bromomethane			0.390	0.315	0.337	0.265	0.293	0.320	14.78
7) Chloroethane			0.288	0.282	0.273	0.229	0.243	0.263	9.74
8) T Dichlorotetra...			1.495	1.443	1.541	1.306	1.353	1.427	6.83
9) T Propene			0.941	0.917	0.856	0.747	0.747	0.841	10.88
10) T Heptane			2.468	2.322	2.271	2.021	2.012	2.219	8.94
11) T Trichlorofluor...			1.818	1.734	1.794	1.485	1.607	1.687	8.28
12) T 1,1,2-Trichlor...			1.480	1.405	1.442	1.207	1.291	1.365	8.30
13) Ethanol			0.074	0.060	0.062	0.035	0.036	0.053	32.34
14) T Bromoethene			0.534	0.482	0.522	0.437	0.468	0.489	8.15
15) T Acetone			2.132	1.970	1.818	1.220	1.293	1.687	24.25
16) T 1,3-Butadiene			0.982	0.742	0.710	0.574	0.615	0.724	21.97
17) tert-Butyl alc...			2.095	2.023	1.995	1.708	1.746	1.914	9.12
18) T 1,1-Dichloroet...			0.682	0.661	0.624	0.543	0.579	0.618	9.30
19) T Isopropyl Alcohol			1.049	0.974	0.894	0.737	0.778	0.886	14.74
20) T Methylene Chlo...			0.678	0.650	0.589	0.477	0.484	0.575	16.11
21) T Allyl Chloride			1.212	1.123	1.113	0.944	1.004	1.079	9.82
22) T trans-1,2-Dich...			0.787	0.768	0.751	0.614	0.657	0.715	10.60
23) T Vinyl Acetate			0.747	0.813	1.062	0.813	0.838	0.855	14.14
24) T 1,1-Dichloroet...			1.483	1.447	1.407	1.182	1.256	1.355	9.58
25) T Ethyl Acetate			4.395	4.387	4.334	3.930	3.909	4.191	5.94
26) T Hexane			1.880	1.798	1.796	1.575	1.572	1.724	8.22
27) T Carbon Disulfide			1.742	1.682	1.729	1.513	1.590	1.651	5.91
28) T Methyl tert-Bu...			1.432	1.348	1.504	1.137	1.158	1.316	12.43
29) T Chloroform			2.559	2.541	2.571	2.188	2.203	2.412	8.23
30) T Cyclohexane			1.544	1.520	1.599	1.364	1.377	1.481	7.06
31) T cis-1,2-Dichlo...			1.823	1.793	1.721	1.538	1.550	1.685	7.96
32) T 1,1,1-Trichlor...	2.446	2.507	2.490	2.394	2.480	2.189	2.268	2.396	5.11

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.886	0.861	0.893	0.753	0.764	0.831	8.15
35) T Carbon Tetrach...	0.939	0.734	0.733	0.762	0.786	0.732	0.754	0.777	9.52
36) T Benzene			1.194	1.211	1.210	1.099	1.086	1.160	5.35
37) T 1,2-Dichloroet...			0.672	0.606	0.622	0.564	0.579	0.609	6.91
38) T Trichloroethene	0.413	0.496	0.499	0.472	0.470	0.425	0.430	0.458	7.65
39) T 1,2-Dichloropr...			0.437	0.422	0.427	0.387	0.390	0.413	5.47

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40)	T	1,4-Dioxane		0.231	0.212	0.214	0.189	0.192	0.208	8.33
41)	T	Tetrahydrofuran		0.531	0.502	0.506	0.454	0.448	0.488	7.33
42)	T	Bromodichlorom...		0.839	0.853	0.856	0.804	0.829	0.836	2.53
43)		Methyl Methacr...		0.511	0.483	0.478	0.451	0.452	0.475	5.22
44)	T	2,2,4-Trimethy...		2.057	2.049	2.044	1.829	1.820	1.960	6.32
45)	T	t-1,3-Dichloro...		0.494	0.491	0.492	0.479	0.475	0.486	1.78
46)	T	cis-1,3-Dichlo...		0.641	0.640	0.625	0.608	0.606	0.624	2.66
47)	T	1,1,2-Trichlor...		0.460	0.452	0.447	0.399	0.413	0.434	6.15
48)	T	Dibromochlorom...		0.637	0.634	0.696	0.656	0.669	0.658	3.85
49)	T	Bromoform		0.522	0.565	0.610	0.583	0.594	0.575	5.86
50)	T	4-Methyl-2-Pen...		1.246	1.237	1.228	1.108	1.113	1.186	5.89
51)	T	2-Hexanone		1.034	0.993	1.031	0.909	0.912	0.976	6.32
52)	T	Tetrachloroethene	0.547 0.499	0.445	0.430	0.428	0.381	0.382	0.444	13.64
53)	T	Toluene		1.443	1.434	1.422	1.297	1.303	1.380	5.30
54)	T	1,2-Dibromoethane	0.550	0.619	0.616	0.619	0.562	0.577	0.590	5.33
-----ISTD-----										
55)	I	Chlorobenzene-d5								
56)		1,1,1,2-Tetrac...		0.619	0.615	0.638	0.547	0.561	0.596	6.69
57)	T	Chlorobenzene		1.171	1.197	1.171	1.016	1.019	1.115	8.03
58)	T	Ethyl Benzene		2.107	2.147	2.215	1.907	1.904	2.056	6.94
59)	T	m/p-Xylene		1.679	1.715	1.735	1.486	1.509	1.625	7.27
60)	T	o-Xylene		1.713	1.709	1.728	1.474	1.480	1.621	8.10
61)	T	Styrene		0.846	0.815	0.858	0.769	0.759	0.809	5.46
62)		Isopropylbenzene		2.546	2.578	2.649	2.231	2.196	2.440	8.63
63)	T	1,1,2,2-Tetrac...	0.917 1.102	1.015	0.991	1.032	0.883	0.874	0.973	8.74
64)		n-propylbenzene		0.672	0.675	0.684	0.573	0.576	0.636	8.85
65)		tert-Butylbenzene		2.320	2.413	2.449	1.954	1.906	2.208	11.74
66)	T	Benzyl Chloride		0.245	0.232	0.253	0.215	0.199	0.229	9.56
67)		sec-Butylbenzene		3.272	3.300	3.369	2.680	2.593	3.043	12.29
68)	S	1-Bromo-4-Fluo...	0.806 0.797	0.806	0.803	0.809	0.801	0.791	0.802	0.78
69)		p-Isopropyltol...		2.708	2.843	2.861	2.321	2.250	2.597	11.21
70)		n-Butylbenzene		2.797	2.833	2.871	2.307	2.223	2.606	12.05
71)		2-Chlorotoluene		2.019	2.016	2.016	1.707	1.688	1.889	9.28
72)	T	4-Ethyltoluene		2.031	2.130	2.181	1.817	1.777	1.987	9.18
73)	T	1,3,5-Trimethy...		1.730	1.818	1.830	1.532	1.525	1.687	8.88
74)	T	1,2,4-Trimethy...		1.908	2.001	2.042	1.617	1.595	1.833	11.62
75)	T	1,3-Dichlorobe...		1.190	1.177	1.191	0.966	0.969	1.099	10.91
76)	T	1,4-Dichlorobe...		1.170	1.148	1.185	0.966	0.969	1.088	10.15
77)	T	1,2-Dichlorobe...		1.124	1.117	1.122	0.915	0.915	1.039	10.87
78)	T	Hexachloro-1,3...		0.999	1.015	1.009	0.714	0.725	0.893	17.71
79)	T	Naphthalene	2.105	2.131	2.188	2.263	1.580	1.579	1.974	15.75
80)	T	Naphthalene,2-...		1.184	1.261	1.336	0.763	0.780	1.065	25.66
81)	T	1,2,4-Trichlor...		1.006	1.081	1.081	0.764	0.768	0.940	17.19

(#) = Out of Range