

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\

Method File : VL091922AIR.M

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

Last Update : Mon Sep 19 14:26:28 2022

Response Via : Initial Calibration

Calibration Files

0.03=VL039632.D 0.1 =VL039631.D 0.5 =VL039630.D 1 =VL039629.D 2 =VL039628.D 10 =VL039627.D 15 =VL039633.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.572	1.346	1.214	0.951	0.714	1.159	28.91
3) Chlorodifluoro...			1.229	1.303	1.239	1.042	1.120	1.187	8.77
4) Chloromethane			0.748	0.741	0.761	0.638	0.693	0.716	7.05
5) T Vinyl Chloride	0.576	0.547	0.598	0.666	0.618	0.561	0.612	0.597	6.72
6) T Bromomethane			0.234	0.214	0.223	0.202	0.227	0.220	5.63
7) Chloroethane			0.211	0.220	0.225	0.210	0.225	0.218	3.37
8) T Dichlorotetra...			1.503	1.665	1.476	1.268	1.040	1.391	17.36
9) T Propene			0.589	0.540	0.546	0.494	0.541	0.542	6.19
10) T Heptane			1.075	1.280	1.370	1.222	1.376	1.265	9.81
11) T Trichlorofluor...			1.396	1.584	1.467	1.293	1.439	1.436	7.38
12) T 1,1,2-Trichlor...			1.151	1.123	1.121	0.951	1.076	1.084	7.32
13) Ethanol			0.045	0.046	0.040	0.034	0.041	0.041#	11.59
14) T Bromoethene			0.420	0.440	0.447	0.409	0.450	0.433	4.14
15) T Acetone			1.127	1.156	1.238	0.969	1.074	1.113	9.01
16) T 1,3-Butadiene			0.515	0.570	0.598	0.541	0.597	0.564	6.42
17) tert-Butyl alc...			0.947	1.106	0.981	1.013	0.947	0.999	6.61
18) T 1,1-Dichloroet...			0.455	0.520	0.487	0.441	0.483	0.477	6.38
19) T Isopropyl Alcohol			0.647	0.570	0.523	0.546	0.550	0.567	8.39
20) T Methylene Chlo...			0.606	0.583	0.584	0.371	0.429	0.514	20.79
21) T Allyl Chloride			0.800	0.765	0.761	0.695	0.768	0.758	5.09
22) T trans-1,2-Dich...			0.450	0.460	0.508	0.451	0.490	0.472	5.50
23) T Vinyl Acetate			0.521	0.530	0.500	0.467	0.498	0.503	4.82
24) T 1,1-Dichloroet...			0.999	1.068	1.020	0.925	0.996	1.002	5.16
25) T Ethyl Acetate			2.341	2.538	2.638	2.189	2.426	2.426	7.17
26) T Hexane			0.998	1.092	1.126	0.911	1.022	1.030	8.17
27) T Carbon Disulfide			0.930	1.021	1.106	1.118	1.236	1.082	10.57
28) T Methyl tert-Bu...			0.853	0.921	0.890	0.810	0.851	0.865	4.89
29) T Chloroform			1.424	1.625	1.532	1.345	1.507	1.486	7.19
30) T Cyclohexane			0.786	0.772	0.830	0.758	0.840	0.797	4.54
31) T cis-1,2-Dichlo...			0.892	0.909	0.965	0.896	0.994	0.931	4.90
32) T 1,1,1-Trichlor...	1.182	1.097	1.328	1.504	1.493	1.333	1.482	1.346	11.92

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.504	0.509	0.500	0.423	0.520	0.491	7.96
35) T Carbon Tetrach...	0.508	0.414	0.541	0.554	0.576	0.524	0.599	0.531	11.26
36) T Benzene			0.700	0.788	0.816	0.723	0.796	0.765	6.55
37) T 1,2-Dichloroet...			0.422	0.414	0.418	0.390	0.437	0.416	4.14
38) T Trichloroethene	0.359	0.356	0.415	0.435	0.457	0.410	0.458	0.413	10.20
39) T 1,2-Dichloropr...			0.304	0.278	0.309	0.277	0.308	0.295	5.53

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40)	T	1,4-Dioxane		0.127	0.134	0.123	0.100	0.120	0.121	10.57
41)	T	Tetrahydrofuran		0.260	0.295	0.311	0.308	0.333	0.301	8.93
42)	T	Bromodichlorom...		0.529	0.576	0.606	0.556	0.627	0.579	6.69
43)		Methyl Methacr...		0.227	0.262	0.300	0.286	0.318	0.279	12.70
44)	T	2,2,4-Trimethy...		1.253	1.379	1.415	1.221	1.322	1.318	6.21
45)	T	t-1,3-Dichloro...		0.158	0.184	0.235	0.278	0.323	0.236	28.53
46)	T	cis-1,3-Dichlo...		0.240	0.293	0.342	0.376	0.425	0.335	21.39
47)	T	1,1,2-Trichlor...		0.323	0.318	0.339	0.297	0.336	0.323	5.19
48)	T	Dibromochlorom...		0.394	0.453	0.513	0.502	0.569	0.486	13.57
49)	T	Bromoform		0.334	0.365	0.400	0.425	0.485	0.402	14.40
50)	T	4-Methyl-2-Pen...		0.636	0.778	0.816	0.771	0.858	0.772	10.79
51)	T	2-Hexanone		0.456	0.527	0.588	0.604	0.681	0.571	14.85
52)	T	Tetrachloroethene	0.352 0.253	0.279	0.279	0.305	0.271	0.302	0.292	10.96
53)	T	Toluene		0.722	0.803	0.915	0.860	0.952	0.850	10.72
54)	T	1,2-Dibromoethane	0.255	0.338	0.358	0.372	0.351	0.397	0.345	14.04
-----ISTD-----										
55)	I	Chlorobenzene-d5								
56)		1,1,1,2-Tetrac...		0.419	0.410	0.423	0.373	0.396	0.404	5.04
57)	T	Chlorobenzene		0.788	0.753	0.772	0.667	0.697	0.735	6.98
58)	T	Ethyl Benzene		0.948	1.165	1.278	1.159	1.216	1.153	10.80
59)	T	m/p-Xylene		0.933	1.097	1.112	0.976	1.013	1.026	7.52
60)	T	o-Xylene		0.874	1.028	1.075	0.940	0.983	0.980	7.94
61)	T	Styrene		0.389	0.491	0.577	0.570	0.612	0.528	16.96
62)		Isopropylbenzene		1.393	1.580	1.610	1.367	1.423	1.474	7.60
63)	T	1,1,2,2-Tetrac...	0.411 0.332	0.399	0.427	0.433	0.357	0.376	0.391	9.57
64)		n-propylbenzene		0.348	0.396	0.409	0.354	0.381	0.378	7.01
65)		tert-Butylbenzene		1.168	1.413	1.480	1.201	1.252	1.303	10.48
66)	T	Benzyl Chloride		0.095	0.095	0.095	0.109	0.125	0.104	13.03
67)		sec-Butylbenzene		1.718	1.949	2.055	1.674	1.740	1.827	9.06
68)	S	1-Bromo-4-Fluo...	0.748 0.742	0.748	0.754	0.738	0.760	0.735	0.747	1.18
69)		p-Isopropyltol...		1.337	1.593	1.719	1.403	1.454	1.501	10.24
70)		n-Butylbenzene		1.361	1.518	1.648	1.377	1.454	1.472	7.95
71)		2-Chlorotoluene		0.965	1.128	1.169	1.007	1.053	1.065	7.91
72)	T	4-Ethyltoluene		0.932	1.136	1.274	1.105	1.146	1.119	10.99
73)	T	1,3,5-Trimethy...		0.906	1.062	1.141	0.976	1.034	1.024	8.66
74)	T	1,2,4-Trimethy...		1.107	1.209	1.258	1.055	1.108	1.147	7.25
75)	T	1,3-Dichlorobe...		0.655	0.727	0.738	0.629	0.674	0.685	6.84
76)	T	1,4-Dichlorobe...		0.695	0.704	0.760	0.599	0.666	0.685	8.58
77)	T	1,2-Dichlorobe...		0.685	0.688	0.721	0.606	0.638	0.668	6.82
78)	T	Hexachloro-1,3...		0.544	0.570	0.580	0.413	0.444	0.510	14.98
79)	T	Naphthalene	0.384	0.634	0.824	0.944	0.830	0.926	0.757	28.17
80)	T	Naphthalene,2-...		0.177	0.253	0.303	0.286	0.404	0.285	29.03
81)	T	1,2,4-Trichlor...		0.427	0.511	0.556	0.469	0.524	0.497	10.04

(#) = Out of Range