

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

Method File : VL051623AIR.M

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

Last Update : Wed May 17 05:12:40 2023

Response Via : Initial Calibration

Calibration Files

0.03=VL040436.D 0.1 =VL040435.D 0.5 =VL040434.D 1 =VL040433.D 2 =VL040432.D 10 =VL040438.D 15 =VL040437.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			2.367	2.243	1.872	1.853	1.486	1.964	17.80
3) Chlorodifluoro...			1.328	1.371	1.427	1.177	1.154	1.292	9.35
4) Chloromethane			0.809	0.849	0.871	0.743	0.739	0.802	7.48
5) T Vinyl Chloride	0.896	0.709	0.704	0.685	0.745	0.617	0.628	0.712	13.07
6) T Bromomethane			0.226	0.222	0.233	0.204	0.198	0.216	6.86
7) Chloroethane			0.261	0.240	0.278	0.238	0.241	0.252	6.91
8) T Dichlorotetra...			1.893	1.841	1.876	1.638	1.577	1.765	8.30
9) T Propene			0.535	0.512	0.533	0.469	0.462	0.502	6.91
10) T Heptane			0.989	1.129	1.282	1.189	1.215	1.161	9.53
11) T Trichlorofluor...			1.883	1.799	1.902	1.647	1.639	1.774	7.09
12) T 1,1,2-Trichlor...			1.378	1.352	1.406	1.190	1.178	1.301	8.34
13) Ethanol			0.041	0.044	0.043	0.033	0.030	0.038#	16.14
14) T Bromoethene			0.514	0.519	0.557	0.487	0.515	0.519	4.81
15) T Acetone			1.429	1.272	1.374	1.125	1.125	1.265	11.05
16) T 1,3-Butadiene			0.581	0.559	0.638	0.560	0.565	0.581	5.73
17) tert-Butyl alc...			1.237	1.318	1.440	1.254	1.086	1.267	10.15
18) T 1,1-Dichloroet...			0.594	0.581	0.610	0.542	0.540	0.573	5.47
19) T Isopropyl Alcohol			0.575	0.655	0.702	0.606	0.542	0.616	10.36
20) T Methylene Chlo...			0.638	0.632	0.653	0.444	0.450	0.564	18.92
21) T Allyl Chloride			0.834	0.792	0.845	0.778	0.795	0.809	3.60
22) T trans-1,2-Dich...			0.583	0.558	0.604	0.560	0.559	0.573	3.53
23) T Vinyl Acetate			0.322	0.370	0.393	0.350	0.314	0.350	9.39
24) T 1,1-Dichloroet...			1.232	1.247	1.271	1.109	1.123	1.196	6.25
25) T Ethyl Acetate			2.428	2.391	2.634	2.204	2.257	2.382	7.05
26) T Hexane			0.949	1.003	1.112	0.934	0.941	0.988	7.55
27) T Carbon Disulfide			1.179	1.211	1.398	1.335	1.368	1.298	7.51
28) T Methyl tert-Bu...			0.999	1.077	1.184	0.992	0.995	1.049	7.94
29) T Chloroform			1.909	1.857	1.928	1.656	1.653	1.801	7.55
30) T Cyclohexane			0.861	0.750	0.816	0.789	0.801	0.803	5.03
31) T cis-1,2-Dichlo...			0.883	0.977	1.049	0.989	0.993	0.978	6.15
32) T 1,1,1-Trichlor...	2.770	1.585	1.711	1.799	1.891	1.661	1.680	1.871	21.84

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.528	0.552	0.540	0.498	0.544	0.532	3.97
35) T Carbon Tetrach...	0.900	0.641	0.671	0.701	0.724	0.680	0.708	0.718	11.84
36) T Benzene			0.764	0.807	0.881	0.794	0.814	0.812	5.30
37) T 1,2-Dichloroet...			0.509	0.531	0.560	0.517	0.537	0.531	3.74
38) T Trichloroethene	0.659	0.424	0.426	0.462	0.520	0.492	0.520	0.500	16.11
39) T 1,2-Dichloropr...			0.303	0.321	0.343	0.306	0.317	0.318	4.99

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\										
Method File : VL051623AIR.M										
40)	T	1,4-Dioxane		0.119	0.132	0.118	0.112	0.123	0.121	6.19
41)	T	Tetrahydrofuran		0.251	0.288	0.329	0.300	0.308	0.295	9.71
42)	T	Bromodichlorom...		0.650	0.709	0.758	0.722	0.753	0.718	6.04
43)		Methyl Methacr...		0.237	0.280	0.328	0.322	0.335	0.300	13.79
44)	T	2,2,4-Trimethy...		1.185	1.390	1.483	1.316	1.345	1.344	8.10
45)	T	t-1,3-Dichloro...		0.189	0.214	0.257	0.313	0.343	0.263	24.66
46)	T	cis-1,3-Dichlo...		0.290	0.321	0.380	0.422	0.446	0.372	17.76
47)	T	1,1,2-Trichlor...		0.335	0.350	0.358	0.340	0.353	0.347	2.74
48)	T	Dibromochlorom...		0.449	0.531	0.591	0.585	0.618	0.555	12.12
49)	T	Bromoform		0.343	0.398	0.461	0.475	0.510	0.438	15.19
50)	T	4-Methyl-2-Pen...		0.723	0.806	0.885	0.832	0.866	0.822	7.71
51)	T	2-Hexanone		0.465	0.550	0.675	0.649	0.690	0.606	15.77
52)	T	Tetrachloroethene	0.334 0.228	0.254	0.269	0.283	0.274	0.289	0.276	11.89
53)	T	Toluene		0.674	0.803	0.947	0.912	0.953	0.858	13.90
54)	T	1,2-Dibromoethane	0.281	0.328	0.340	0.376	0.367	0.391	0.347	11.46
-----ISTD-----										
55)	I	Chlorobenzene-d5								
56)		1,1,1,2-Tetrac...		0.451	0.470	0.487	0.436	0.471	0.463	4.20
57)	T	Chlorobenzene		0.823	0.842	0.813	0.749	0.799	0.805	4.36
58)	T	Ethyl Benzene		1.006	1.270	1.358	1.303	1.391	1.266	12.06
59)	T	m/p-Xylene		0.984	1.169	1.263	1.139	1.217	1.154	9.21
60)	T	o-Xylene		0.903	1.125	1.189	1.102	1.175	1.099	10.47
61)	T	Styrene		0.361	0.492	0.607	0.628	0.693	0.556	23.56
62)		Isopropylbenzene		1.448	1.669	1.722	1.546	1.645	1.606	6.77
63)	T	1,1,2,2-Tetrac...	0.544 0.343	0.388	0.404	0.408	0.330	0.358	0.396	18.05
64)		n-propylbenzene		0.343	0.388	0.427	0.393	0.429	0.396	8.88
65)		tert-Butylbenzene		1.236	1.454	1.550	1.359	1.442	1.408	8.35
66)	T	Benzyl Chloride		0.068	0.085	0.079	0.085	0.100	0.084	14.02
67)		sec-Butylbenzene		1.769	2.123	2.272	1.942	2.035	2.028	9.33
68)	S	1-Bromo-4-Fluo...	0.787 0.800	0.809	0.797	0.783	0.800	0.852	0.804	2.84
69)		p-Isopropyltol...		1.315	1.641	1.803	1.552	1.654	1.593	11.28
70)		n-Butylbenzene		1.487	1.841	2.035	1.705	1.810	1.775	11.30
71)		2-Chlorotoluene		1.030	1.238	1.342	1.205	1.293	1.222	9.77
72)	T	4-Ethyltoluene		1.037	1.218	1.353	1.259	1.361	1.246	10.58
73)	T	1,3,5-Trimethy...		0.984	1.144	1.246	1.132	1.211	1.144	8.80
74)	T	1,2,4-Trimethy...		1.192	1.395	1.430	1.237	1.324	1.316	7.68
75)	T	1,3-Dichlorobe...		0.674	0.745	0.772	0.682	0.747	0.724	6.00
76)	T	1,4-Dichlorobe...		0.663	0.700	0.735	0.673	0.730	0.700	4.65
77)	T	1,2-Dichlorobe...		0.646	0.721	0.769	0.658	0.713	0.701	7.17
78)	T	Hexachloro-1,3...		0.549	0.560	0.570	0.448	0.497	0.525	9.82
79)	T	Naphthalene	0.398	0.566	0.792	1.026	0.942	1.049	0.795	33.20
80)	T	Naphthalene,2-...		0.084	0.111	0.310	0.284	0.348	0.228	53.18
81)	T	1,2,4-Trichlor...		0.392	0.467	0.556	0.497	0.551	0.492	13.66

(#) = Out of Range