

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

Method File : VL073021AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 30 23:19:30 2021

Last Update : Fri Jul 30 23:19:30 2021

Response Via : Initial Calibration

Calibration Files

0.03=VL037293.D 0.1 =VL037292.D 0.5 =VL037291.D 1 =VL037290.D 2 =VL037289.D 10 =VL037288.D 15 =VL037287.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			2.003	1.734	1.476	1.130	0.853	1.439	31.94
3) Chlorodifluoro...			2.228	2.176	2.095	1.773	1.747	2.004	11.37
4) Chloromethane			0.750	0.760	0.746	0.619	0.618	0.699	10.48
5) T Vinyl Chloride	0.922	0.811	0.731	0.719	0.747	0.674	0.681	0.755	11.45
6) T Bromomethane			0.445	0.458	0.447	0.403	0.388	0.428	7.14
7) Chloroethane			0.294	0.292	0.264	0.236	0.246	0.266	9.85
8) T Dichlorotetra...			1.973	2.054	1.756	1.580	1.194	1.711	20.10
9) T Propene			0.786	0.770	0.678	0.573	0.563	0.674	15.62
10) T Heptane			1.609	1.702	1.684	1.485	1.543	1.605	5.74
11) T Trichlorofluor...			1.948	1.974	1.865	1.601	1.551	1.788	11.09
12) T 1,1,2-Trichlor...			1.428	1.423	1.390	1.192	1.216	1.330	8.71
13) Ethanol			0.214	0.184	0.155	0.097	0.090	0.148	36.43
14) T Bromoethene			0.577	0.577	0.603	0.533	0.519	0.562	6.15
15) T Acetone			2.523	2.384	2.315	0.898	0.886	1.801	46.27
16) T 1,3-Butadiene			0.732	0.694	0.700	0.618	0.633	0.676	7.11
17) tert-Butyl alc...			1.236	1.188	1.239	1.062	1.001	1.145	9.42
18) T 1,1-Dichloroet...			0.629	0.624	0.587	0.546	0.537	0.584	7.29
19) T Isopropyl Alcohol			0.716	0.758	0.776	0.624	0.610	0.697	10.93
20) T Methylene Chlo...			0.880	0.754	0.662	0.639	0.550	0.697	18.00
21) T Allyl Chloride			0.786	0.806	0.858	0.790	0.768	0.802	4.26
22) T trans-1,2-Dich...			0.561	0.544	0.553	0.566	0.565	0.558	1.66
23) T Vinyl Acetate			1.400	1.871	1.638	1.346	1.344	1.520	15.18
24) T 1,1-Dichloroet...			1.166	1.339	1.226	1.084	1.085	1.180	9.06
25) T Ethyl Acetate			2.670	2.728	2.751	2.460	2.458	2.613	5.51
26) T Hexane			1.466	1.456	1.509	1.282	1.270	1.397	8.00
27) T Carbon Disulfide			0.872	1.124	1.229	1.238	1.289	1.151	14.51
28) T Methyl tert-Bu...			1.532	1.574	1.345	1.155	1.139	1.349	15.10
29) T Chloroform			2.193	2.111	2.095	1.780	1.828	2.001	9.24
30) T Cyclohexane			1.000	1.218	1.180	1.017	1.045	1.092	9.15
31) T cis-1,2-Dichlo...			1.187	1.196	1.263	1.129	1.144	1.184	4.44
32) T 1,1,1-Trichlor...	2.206	1.976	1.944	2.041	2.062	1.834	1.868	1.990	6.36

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.429	0.552	0.481	0.345	0.339	0.429	21.15
35) T Carbon Tetrach...	0.635	0.591	0.593	0.671	0.704	0.618	0.624	0.634	6.48
36) T Benzene			0.847	0.906	0.923	0.776	0.781	0.847	8.04
37) T 1,2-Dichloroet...			0.402	0.487	0.472	0.421	0.423	0.441	8.33
38) T Trichloroethene	0.444	0.390	0.373	0.390	0.399	0.343	0.336	0.382	9.55
39) T 1,2-Dichloropr...			0.333	0.324	0.346	0.293	0.296	0.318	7.30

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40)	T	1,4-Dioxane		0.101	0.108	0.093	0.078	0.078	0.092	14.49
41)	T	Tetrahydrofuran		0.171	0.147	0.190	0.175	0.179	0.172	9.35
42)	T	Bromodichlorom...		0.547	0.623	0.673	0.614	0.619	0.615	7.33
43)		Methyl Methacr...		0.252	0.286	0.302	0.279	0.289	0.281	6.52
44)	T	2,2,4-Trimethy...		1.401	1.520	1.502	1.252	1.245	1.384	9.51
45)	T	t-1,3-Dichloro...		0.179	0.205	0.233	0.273	0.289	0.236	19.27
46)	T	cis-1,3-Dichlo...		0.235	0.289	0.358	0.347	0.361	0.318	17.30
47)	T	1,1,2-Trichlor...		0.360	0.379	0.383	0.329	0.335	0.357	6.90
48)	T	Dibromochlorom...		0.452	0.526	0.599	0.574	0.584	0.547	10.94
49)	T	Bromoform		0.286	0.369	0.483	0.483	0.503	0.425	22.09
50)	T	4-Methyl-2-Pen...		0.511	0.551	0.628	0.504	0.523	0.543	9.33
51)	T	2-Hexanone		0.223	0.226	0.291	0.251	0.263	0.251	11.19
52)	T	Tetrachloroethene	0.396 0.417	0.365	0.378	0.394	0.330	0.333	0.373	8.73
53)	T	Toluene		0.937	1.067	1.090	0.939	0.943	0.995	7.67
54)	T	1,2-Dibromoethane		0.469	0.520	0.547	0.485	0.503	0.505	6.01
-----ISTD-----										
55)	I	Chlorobenzene-d5								
56)		1,1,1,2-Tetrac...		0.445	0.468	0.463	0.410	0.403	0.438	6.85
57)	T	Chlorobenzene		0.896	0.902	0.896	0.747	0.741	0.837	10.09
58)	T	Ethyl Benzene		1.402	1.468	1.488	1.275	1.241	1.375	8.12
59)	T	m/p-Xylene		1.245	1.270	1.284	1.076	1.043	1.184	9.68
60)	T	o-Xylene		1.198	1.199	1.244	1.014	1.000	1.131	10.17
61)	T	Styrene		0.493	0.577	0.633	0.589	0.599	0.578	8.99
62)		Isopropylbenzene		1.692	1.753	1.723	1.430	1.391	1.598	10.83
63)	T	1,1,2,2-Tetrac...	0.845 0.811	0.843	0.861	0.826	0.695	0.703	0.798	8.69
64)		n-propylbenzene		0.400	0.438	0.453	0.391	0.391	0.414	7.01
65)		tert-Butylbenzene		1.520	1.639	1.642	1.320	1.274	1.479	11.78
66)	T	Benzyl Chloride		0.063	0.062	0.065	0.083	0.090	0.073	17.95
67)		sec-Butylbenzene		2.002	2.148	2.176	1.761	1.688	1.955	11.35
68)	S	1-Bromo-4-Fluo...	0.718 0.750	0.730	0.733	0.700	0.733	0.728	0.728	2.14
69)		p-Isopropyltol...		1.619	1.852	1.891	1.531	1.475	1.674	11.23
70)		n-Butylbenzene		1.584	1.685	1.782	1.440	1.407	1.580	10.07
71)		2-Chlorotoluene		1.149	1.217	1.257	1.040	1.029	1.139	9.02
72)	T	4-Ethyltoluene		1.293	1.438	1.447	1.279	1.240	1.339	7.18
73)	T	1,3,5-Trimethy...		1.236	1.333	1.348	1.142	1.126	1.237	8.38
74)	T	1,2,4-Trimethy...		1.417	1.535	1.522	1.188	1.158	1.364	13.23
75)	T	1,3-Dichlorobe...		0.816	0.876	0.897	0.755	0.757	0.820	8.02
76)	T	1,4-Dichlorobe...		0.881	0.934	0.923	0.746	0.749	0.847	10.93
77)	T	1,2-Dichlorobe...		0.796	0.823	0.870	0.726	0.721	0.787	8.10
78)	T	Hexachloro-1,3...		0.676	0.640	0.676	0.483	0.477	0.591	17.23
79)	T	Naphthalene		0.973	1.175	1.319	0.925	0.948	1.068	16.12
80)	T	Naphthalene,2-...		0.233	0.288	0.418	0.268	0.328	0.307	23.05
81)	T	1,2,4-Trichlor...		0.627	0.719	0.771	0.541	0.565	0.645	15.27

(#) = Out of Range