

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

Method File : VL081121AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 11 09:01:07 2021

Last Update : Wed Aug 11 09:01:07 2021

Response Via : Initial Calibration

Calibration Files

0.03=VL037380.D 0.1 =VL037379.D 0.5 =VL037378.D 1 =VL037377.D 2 =VL037376.D 10 =VL037375.D 15 =VL037381.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			2.244	2.270	1.359	1.326	1.838	1.808	25.32
3) Chlorodifluoro...			2.126	2.007	1.908	1.654	1.601	1.859	12.16
4) Chloromethane			0.764	0.770	0.684	0.605	0.601	0.685	11.96
5) T Vinyl Chloride	0.884	0.692	0.692	0.691	0.686	0.637	0.616	0.700	12.45
6) T Bromomethane			0.430	0.418	0.386	0.342	0.342	0.383	10.78
7) Chloroethane			0.283	0.251	0.239	0.209	0.216	0.240	12.31
8) T Dichlorotetra...			1.717	1.720	1.588	1.449	1.412	1.577	9.18
9) T Propene			0.759	0.681	0.619	0.564	0.542	0.633	13.94
10) T Heptane			1.520	1.560	1.536	1.456	1.415	1.497	4.00
11) T Trichlorofluor...			1.655	1.670	1.517	1.383	1.373	1.520	9.38
12) T 1,1,2-Trichlor...			1.215	1.154	1.117	0.952	0.969	1.082	10.73
13) Ethanol			0.087	0.083	0.074	0.073	0.064	0.076	11.87
14) T Bromoethene			0.547	0.507	0.496	0.465	0.458	0.495	7.22
15) T Acetone			1.063	1.124	1.055	0.765	0.757	0.953	18.59
16) T 1,3-Butadiene			0.740	0.710	0.688	0.613	0.596	0.669	9.34
17) tert-Butyl alc...			0.908	0.896	0.828	0.847	0.782	0.852	6.04
18) T 1,1-Dichloroet...			0.537	0.511	0.510	0.442	0.451	0.490	8.49
19) T Isopropyl Alcohol			0.645	0.562	0.541	0.514	0.481	0.549	11.30
20) T Methylene Chlo...			0.654	0.608	0.513	0.400	0.411	0.517	22.08
21) T Allyl Chloride			0.842	0.751	0.708	0.719	0.717	0.747	7.37
22) T trans-1,2-Dich...			0.488	0.498	0.472	0.435	0.422	0.463	7.14
23) T Vinyl Acetate			1.424	1.571	1.655	1.508	1.499	1.531	5.65
24) T 1,1-Dichloroet...			1.255	1.282	1.270	1.129	1.086	1.204	7.49
25) T Ethyl Acetate			2.686	2.514	2.471	2.284	2.242	2.439	7.39
26) T Hexane			1.383	1.347	1.297	1.074	1.075	1.235	12.15
27) T Carbon Disulfide			0.946	1.030	1.048	1.070	1.082	1.035	5.19
28) T Methyl tert-Bu...			1.335	1.390	1.396	1.259	1.216	1.319	6.03
29) T Chloroform			1.988	1.889	1.788	1.612	1.580	1.771	9.90
30) T Cyclohexane			1.149	1.076	1.039	0.940	0.909	1.023	9.62
31) T cis-1,2-Dichlo...			1.163	1.145	1.133	1.053	1.040	1.107	5.10
32) T 1,1,1-Trichlor...	2.008	1.737	1.727	1.729	1.705	1.568	1.548	1.717	8.78

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.424	0.422	0.407	0.324	0.323	0.380	13.70
35) T Carbon Tetrach...	0.629	0.510	0.560	0.557	0.574	0.541	0.533	0.558	6.78
36) T Benzene			0.823	0.816	0.851	0.754	0.724	0.794	6.63
37) T 1,2-Dichloroet...			0.429	0.419	0.417	0.385	0.380	0.406	5.39
38) T Trichloroethene	0.455	0.308	0.331	0.347	0.342	0.296	0.285	0.338	16.80
39) T 1,2-Dichloropr...			0.263	0.312	0.313	0.285	0.278	0.290	7.60

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40)	T	1,4-Dioxane			0.095	0.087	0.075	0.069	0.061	0.077	17.29
41)	T	Tetrahydrofuran			0.185	0.185	0.185	0.170	0.168	0.179	4.98
42)	T	Bromodichlorom...			0.563	0.587	0.600	0.562	0.557	0.574	3.29
43)		Methyl Methacr...			0.279	0.288	0.275	0.273	0.266	0.276	2.92
44)	T	2,2,4-Trimethy...			1.340	1.436	1.424	1.248	1.170	1.324	8.65
45)	T	t-1,3-Dichloro...			0.166	0.186	0.205	0.239	0.241	0.207	15.71
46)	T	cis-1,3-Dichlo...			0.243	0.268	0.289	0.303	0.299	0.280	8.84
47)	T	1,1,2-Trichlor...			0.341	0.353	0.334	0.309	0.298	0.327	6.89
48)	T	Dibromochlorom...			0.425	0.499	0.505	0.498	0.485	0.482	6.82
49)	T	Bromoform			0.320	0.370	0.388	0.400	0.417	0.379	9.85
50)	T	4-Methyl-2-Pen...			0.484	0.521	0.511	0.490	0.476	0.496	3.84
51)	T	2-Hexanone			0.189	0.215	0.241	0.226	0.228	0.220	8.85
52)	T	Tetrachloroethene	0.393	0.365	0.322	0.324	0.311	0.281	0.269	0.323	13.49
53)	T	Toluene			0.931	0.948	0.979	0.891	0.852	0.920	5.40
54)	T	1,2-Dibromoethane			0.471	0.462	0.490	0.453	0.438	0.463	4.20
-----ISTD-----											
55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.404	0.398	0.397	0.369	0.364	0.387	4.80
57)	T	Chlorobenzene			0.852	0.823	0.791	0.712	0.681	0.772	9.44
58)	T	Ethyl Benzene			1.386	1.409	1.377	1.286	1.217	1.335	6.06
59)	T	m/p-Xylene			1.248	1.217	1.198	1.069	1.014	1.149	8.86
60)	T	o-Xylene			1.130	1.155	1.098	0.993	0.951	1.065	8.35
61)	T	Styrene			0.501	0.537	0.592	0.559	0.571	0.552	6.32
62)		Isopropylbenzene			1.589	1.610	1.564	1.402	1.339	1.501	8.14
63)	T	1,1,2,2-Tetrac...	1.021	0.830	0.835	0.778	0.791	0.715	0.670	0.806	13.89
64)		n-propylbenzene			0.383	0.405	0.393	0.363	0.360	0.381	5.02
65)		tert-Butylbenzene			1.473	1.457	1.449	1.239	1.151	1.354	10.97
66)	T	Benzyl Chloride			0.048	0.049	0.056	0.065	0.069	0.057	16.48
67)		sec-Butylbenzene			2.013	1.929	2.007	1.742	1.612	1.861	9.51
68)	S	1-Bromo-4-Fluo...	0.747	0.733	0.753	0.737	0.699	0.762	0.790	0.746	3.74
69)		p-Isopropyltol...			1.522	1.530	1.662	1.446	1.354	1.503	7.58
70)		n-Butylbenzene			1.342	1.427	1.552	1.409	1.330	1.412	6.27
71)		2-Chlorotoluene			1.128	1.151	1.151	1.027	1.021	1.096	6.02
72)	T	4-Ethyltoluene			1.271	1.247	1.327	1.208	1.177	1.246	4.64
73)	T	1,3,5-Trimethy...			1.204	1.211	1.219	1.090	1.055	1.156	6.67
74)	T	1,2,4-Trimethy...			1.203	1.188	1.291	1.130	1.057	1.174	7.42
75)	T	1,3-Dichlorobe...			0.767	0.724	0.730	0.690	0.656	0.713	5.89
76)	T	1,4-Dichlorobe...			0.725	0.722	0.751	0.658	0.645	0.700	6.60
77)	T	1,2-Dichlorobe...			0.716	0.703	0.741	0.652	0.625	0.687	6.91
78)	T	Hexachloro-1,3...			0.626	0.605	0.599	0.472	0.453	0.551	14.78
79)	T	Naphthalene			0.452	0.489	0.624	0.812	0.820	0.639	27.11
80)	T	Naphthalene,2-...			0.057	0.052	0.124	0.149	0.247	0.126	63.46
81)	T	1,2,4-Trichlor...			0.390	0.366	0.456	0.493	0.487	0.438	13.14

(#) = Out of Range