

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

Method File : VL081621AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021

Last Update : Tue Aug 17 02:13:47 2021

Response Via : Initial Calibration

Calibration Files

0.03=VL037460.D 0.1 =VL037459.D 0.5 =VL037458.D 1 =VL037457.D 2 =VL037456.D 10 =VL037455.D 15 =VL037461.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			2.236	1.643	1.472	1.366	1.306	1.605	23.41
3) Chlorodifluoro...			2.101	2.058	2.017	1.699	1.699	1.915	10.39
4) Chloromethane			0.745	0.716	0.684	0.657	0.619	0.684	7.16
5) T Vinyl Chloride	0.838	0.667	0.686	0.750	0.705	0.626	0.636	0.701	10.50
6) T Bromomethane			0.425	0.417	0.372	0.350	0.356	0.384	9.08
7) Chloroethane			0.244	0.241	0.263	0.221	0.227	0.239	6.80
8) T Dichlorotetra...			1.773	1.839	1.745	1.473	1.452	1.656	10.90
9) T Propene			0.757	0.726	0.725	0.616	0.601	0.685	10.42
10) T Heptane			1.539	1.669	1.649	1.496	1.532	1.577	4.90
11) T Trichlorofluor...			1.663	1.609	1.544	1.336	1.378	1.506	9.50
12) T 1,1,2-Trichlor...			1.197	1.203	1.130	0.959	1.038	1.105	9.55
13) Ethanol			0.066	0.067	0.069	0.073	0.059	0.067	7.97
14) T Bromoethene			0.533	0.521	0.515	0.467	0.472	0.502	6.01
15) T Acetone			1.186	1.198	1.110	0.799	0.796	1.018	20.07
16) T 1,3-Butadiene			0.661	0.661	0.699	0.612	0.631	0.653	5.07
17) tert-Butyl alc...			0.969	1.028	0.922	0.927	0.803	0.930	8.89
18) T 1,1-Dichloroet...			0.538	0.543	0.511	0.452	0.467	0.502	8.18
19) T Isopropyl Alcohol			0.596	0.687	0.581	0.577	0.474	0.583	12.98
20) T Methylene Chlo...			0.628	0.563	0.546	0.405	0.405	0.510	19.63
21) T Allyl Chloride			0.887	0.832	0.853	0.779	0.781	0.827	5.66
22) T trans-1,2-Dich...			0.497	0.550	0.497	0.447	0.514	0.501	7.42
23) T Vinyl Acetate			1.731	1.308	1.720	1.507	1.233	1.500	15.27
24) T 1,1-Dichloroet...			1.124	1.188	1.165	0.996	0.966	1.088	9.25
25) T Ethyl Acetate			2.630	2.668	2.861	2.389	2.371	2.584	7.96
26) T Hexane			1.329	1.333	1.415	1.122	1.117	1.263	10.74
27) T Carbon Disulfide			1.046	1.100	1.146	1.130	1.205	1.126	5.21
28) T Methyl tert-Bu...			1.326	1.148	1.404	1.176	1.013	1.213	12.69
29) T Chloroform			1.915	1.912	1.872	1.619	1.632	1.790	8.45
30) T Cyclohexane			1.123	1.114	1.086	0.973	0.967	1.053	7.29
31) T cis-1,2-Dichlo...			1.111	1.200	1.209	1.098	1.098	1.143	4.94
32) T 1,1,1-Trichlor...	2.119	1.639	1.715	1.796	1.815	1.615	1.614	1.759	10.18

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.418	0.422	0.454	0.379	0.368	0.408	8.45
35) T Carbon Tetrach...	0.691	0.538	0.593	0.570	0.624	0.557	0.563	0.591	8.80
36) T Benzene			0.837	0.884	0.915	0.785	0.781	0.841	7.06
37) T 1,2-Dichloroet...			0.437	0.426	0.434	0.389	0.396	0.416	5.28
38) T Trichloroethene	0.392	0.372	0.355	0.338	0.351	0.303	0.304	0.345	9.60
39) T 1,2-Dichloropr...			0.327	0.348	0.339	0.302	0.299	0.323	6.86

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40)	T	1,4-Dioxane			0.075	0.094	0.083	0.078	0.065	0.079	13.76
41)	T	Tetrahydrofuran			0.196	0.200	0.210	0.191	0.187	0.197	4.50
42)	T	Bromodichlorom...			0.631	0.614	0.622	0.592	0.585	0.609	3.23
43)		Methyl Methacr...			0.291	0.291	0.309	0.287	0.286	0.293	3.13
44)	T	2,2,4-Trimethy...			1.491	1.494	1.545	1.292	1.252	1.415	9.39
45)	T	t-1,3-Dichloro...			0.186	0.183	0.224	0.251	0.258	0.221	15.84
46)	T	cis-1,3-Dichlo...			0.270	0.281	0.336	0.322	0.329	0.308	9.76
47)	T	1,1,2-Trichlor...			0.362	0.372	0.373	0.319	0.320	0.349	7.88
48)	T	Dibromochlorom...			0.455	0.484	0.533	0.515	0.525	0.502	6.45
49)	T	Bromoform			0.341	0.351	0.437	0.417	0.434	0.396	11.72
50)	T	4-Methyl-2-Pen...			0.536	0.542	0.558	0.513	0.515	0.533	3.53
51)	T	2-Hexanone			0.225	0.242	0.261	0.241	0.257	0.245	5.87
52)	T	Tetrachloroethene	0.449	0.345	0.355	0.335	0.342	0.296	0.289	0.344	15.26
53)	T	Toluene			0.956	0.962	1.050	0.922	0.909	0.960	5.77
54)	T	1,2-Dibromoethane			0.500	0.493	0.504	0.464	0.475	0.487	3.49
-----ISTD-----											
55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.434	0.447	0.428	0.393	0.382	0.417	6.67
57)	T	Chlorobenzene			0.926	0.902	0.836	0.760	0.725	0.830	10.51
58)	T	Ethyl Benzene			1.416	1.470	1.449	1.318	1.286	1.388	5.86
59)	T	m/p-Xylene			1.235	1.298	1.287	1.136	1.059	1.203	8.55
60)	T	o-Xylene			1.162	1.224	1.194	1.041	0.994	1.123	8.92
61)	T	Styrene			0.508	0.578	0.622	0.608	0.600	0.583	7.71
62)		Isopropylbenzene			1.716	1.669	1.674	1.467	1.397	1.585	9.00
63)	T	1,1,2,2-Tetrac...	0.917	0.792	0.892	0.877	0.878	0.758	0.727	0.835	8.88
64)		n-propylbenzene			0.404	0.415	0.424	0.395	0.378	0.403	4.42
65)		tert-Butylbenzene			1.522	1.581	1.565	1.321	1.227	1.443	11.05
66)	T	Benzyl Chloride			0.046	0.063	0.060	0.075	0.082	0.065	21.41
67)		sec-Butylbenzene			2.146	2.201	2.189	1.837	1.710	2.017	11.27
68)	S	1-Bromo-4-Fluo...	0.716	0.703	0.730	0.704	0.667	0.735	0.719	0.710	3.20
69)		p-Isopropyltol...			1.645	1.771	1.788	1.548	1.464	1.643	8.54
70)		n-Butylbenzene			1.530	1.629	1.721	1.529	1.444	1.570	6.79
71)		2-Chlorotoluene			1.216	1.217	1.240	1.090	1.047	1.162	7.49
72)	T	4-Ethyltoluene			1.315	1.450	1.380	1.289	1.244	1.336	6.03
73)	T	1,3,5-Trimethy...			1.246	1.371	1.311	1.161	1.127	1.243	8.16
74)	T	1,2,4-Trimethy...			1.422	1.399	1.443	1.213	1.129	1.321	10.67
75)	T	1,3-Dichlorobe...			0.866	0.844	0.821	0.727	0.718	0.795	8.56
76)	T	1,4-Dichlorobe...			0.833	0.852	0.838	0.754	0.729	0.801	6.93
77)	T	1,2-Dichlorobe...			0.807	0.842	0.840	0.726	0.701	0.783	8.41
78)	T	Hexachloro-1,3...			0.749	0.710	0.714	0.550	0.532	0.651	15.65
79)	T	Naphthalene			0.679	0.840	0.959	0.956	0.986	0.884	14.44
80)	T	Naphthalene,2-...			0.144	0.201	0.260	0.329	0.297	0.246	30.23
81)	T	1,2,4-Trichlor...			0.496	0.545	0.598	0.562	0.574	0.555	6.90

(#) = Out of Range