

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

Method File : VL110320AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020

Last Update : Wed Nov 04 02:40:06 2020

Response Via : Initial Calibration

Calibration Files

0.03=VL035804.D 0.1 =VL035803.D 0.5 =VL035802.D 1 =VL035801.D 2 =VL035800.D 10 =VL035799.D 15 =VL035805.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----									
1) I Bromochloromethane									
2) T Dichlorodifluo...			2.426	2.128	1.789	1.563	1.508	1.883	20.68
3) Chlorodifluoro...			1.282	1.295	1.262	1.054	1.095	1.198	9.53
4) Chloromethane			0.605	0.621	0.605	0.526	0.552	0.582	7.02
5) T Vinyl Chloride	0.839	0.708	0.739	0.773	0.768	0.648	0.717	0.742	8.12
6) T Bromomethane			0.587	0.635	0.624	0.533	0.603	0.596	6.71
7) Chloroethane			0.236	0.289	0.275	0.237	0.267	0.261	9.00
8) T Dichlorotetra...			2.310	2.385	2.268	1.841	1.969	2.155	10.96
9) T Propene			0.457	0.452	0.464	0.399	0.420	0.438	6.30
10) T Heptane			1.279	1.287	1.279	1.102	1.105	1.211	8.07
11) T Trichlorofluor...			2.537	2.541	2.520	2.123	2.098	2.364	9.79
12) T 1,1,2-Trichlor...			1.885	1.867	1.829	1.594	1.626	1.760	7.91
13) Ethanol			0.109	0.105	0.118	0.072	0.071	0.095	23.20
14) T Bromoethene			0.845	0.862	0.817	0.706	0.819	0.810	7.52
15) T Acetone			1.237	1.179	1.152	0.865	0.913	1.069	15.71
16) T 1,3-Butadiene			0.504	0.468	0.493	0.408	0.428	0.460	8.99
17) tert-Butyl alc...			1.779	1.590	1.229	1.245	1.242	1.417	17.88
18) T 1,1-Dichloroet...			0.832	0.858	0.830	0.726	0.794	0.808	6.32
19) T Isopropyl Alcohol			0.801	0.752	0.600	0.571	0.562	0.657	16.95
20) T Methylene Chlo...			0.920	0.818	0.758	0.595	0.672	0.753	16.74
21) T Allyl Chloride			0.555	0.599	0.604	0.541	0.592	0.578	4.92
22) T trans-1,2-Dich...			0.912	0.820	0.805	0.753	0.806	0.819	7.06
23) T Vinyl Acetate			1.811	1.559	1.467	1.310	1.346	1.499	13.38
24) T 1,1-Dichloroet...			1.513	1.495	1.496	1.264	1.370	1.428	7.55
25) T Ethyl Acetate			2.190	2.280	2.288	1.876	1.896	2.106	9.72
26) T Hexane			1.285	1.223	1.225	1.006	1.069	1.162	10.16
27) T Carbon Disulfide			1.736	1.738	1.793	1.629	1.806	1.740	4.01
28) T Methyl tert-Bu...			2.260	2.211	2.153	1.772	2.033	2.086	9.34
29) T Chloroform			2.453	2.416	2.389	2.005	2.152	2.283	8.55
30) T Cyclohexane			1.352	1.337	1.275	1.083	1.279	1.265	8.50
31) T cis-1,2-Dichlo...			1.245	1.233	1.245	1.073	1.179	1.195	6.13
32) T 1,1,1-Trichlor...	3.036	2.390	2.395	2.363	2.316	1.988	2.187	2.382	13.56
-----ISTD-----									
33) I 1,4-Difluorobenzene									
34) T 2-Butanone			0.349	0.344	0.358	0.307	0.265	0.325	11.82
35) T Carbon Tetrach...	0.565	0.532	0.543	0.555	0.569	0.510	0.467	0.534	6.76
36) T Benzene			0.814	0.818	0.798	0.660	0.628	0.743	12.39
37) T 1,2-Dichloroet...			0.352	0.353	0.363	0.323	0.294	0.337	8.40
38) T Trichloroethene	0.436	0.387	0.381	0.371	0.360	0.308	0.297	0.363	13.14
39) T 1,2-Dichloropr...			0.277	0.266	0.271	0.225	0.212	0.250	11.80

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40)	T	1,4-Dioxane	0.150	0.129	0.112	0.106	0.095	0.119	18.24		
41)	T	Tetrahydrofuran	0.188	0.190	0.202	0.182	0.160	0.184	8.28		
42)	T	Bromodichlorom...	0.596	0.581	0.611	0.547	0.506	0.568	7.47		
43)		Methyl Methacr...	0.297	0.290	0.301	0.270	0.260	0.284	6.30		
44)	T	2,2,4-Trimethy...	1.097	1.094	1.101	0.878	0.749	0.984	16.51		
45)	T	t-1,3-Dichloro...	0.286	0.297	0.310	0.299	0.311	0.301	3.42		
46)	T	cis-1,3-Dichlo...	0.391	0.383	0.401	0.364	0.364	0.381	4.32		
47)	T	1,1,2-Trichlor...	0.372	0.366	0.365	0.305	0.297	0.341	10.75		
48)	T	Dibromochlorom...	0.522	0.538	0.561	0.505	0.479	0.521	5.97		
49)	T	Bromoform	0.436	0.451	0.477	0.433	0.402	0.440	6.22		
50)	T	4-Methyl-2-Pen...	0.516	0.522	0.569	0.475	0.399	0.496	12.84		
51)	T	2-Hexanone	0.411	0.419	0.440	0.388	0.335	0.399	10.11		
52)	T	Tetrachloroethene	0.452	0.365	0.373	0.361	0.348	0.290	0.276	0.352	16.60
53)	T	Toluene	1.002	0.982	0.961	0.794	0.746	0.897	13.16		
54)	T	1,2-Dibromoethane	0.555	0.562	0.556	0.468	0.453	0.519	10.34		

55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.499	0.480	0.471	0.418	0.376	0.449	11.32
57)	T	Chlorobenzene			0.933	0.893	0.834	0.688	0.628	0.795	16.61
58)	T	Ethyl Benzene			1.419	1.328	1.297	1.090	0.956	1.218	15.58
59)	T	m/p-Xylene			1.204	1.140	1.110	0.920	0.778	1.030	17.09
60)	T	o-Xylene			1.165	1.114	1.079	0.891	0.764	1.002	16.83
61)	T	Styrene			0.820	0.752	0.761	0.690	0.650	0.734	9.01
62)		Isopropylbenzene			1.930	1.779	1.698	1.343	1.128	1.576	20.99
63)	T	1,1,2,2-Tetrac...	1.038	0.809	0.828	0.803	0.789	0.630	0.540	0.777	20.35
64)		n-propylbenzene			0.540	0.492	0.473	0.398	0.374	0.455	15.02
65)		tert-Butylbenzene			1.773	1.622	1.566	1.194	1.015	1.434	22.06
66)	T	Benzyl Chloride			0.613	0.426	0.455	0.430	0.445	0.474	16.59
67)		sec-Butylbenzene			2.421	2.200	2.151	1.597	1.294	1.933	24.26
68)	S	1-Bromo-4-Fluo...	0.718	0.715	0.726	0.701	0.686	0.738	0.690	0.710	2.69
69)		p-Isopropyltol...			2.026	1.765	1.740	1.324	1.120	1.595	22.92
70)		n-Butylbenzene			1.920	1.689	1.709	1.298	1.064	1.536	22.57
71)		2-Chlorotoluene			1.409	1.244	1.230	1.004	0.875	1.152	18.38
72)	T	4-Ethyltoluene			1.485	1.301	1.305	1.060	0.927	1.216	18.16
73)	T	1,3,5-Trimethy...			1.333	1.205	1.199	0.975	0.851	1.113	17.53
74)	T	1,2,4-Trimethy...			1.469	1.329	1.315	1.006	0.842	1.192	21.68
75)	T	1,3-Dichlorobe...			0.894	0.866	0.823	0.643	0.568	0.759	19.06
76)	T	1,4-Dichlorobe...			0.879	0.782	0.783	0.635	0.582	0.732	16.59
77)	T	1,2-Dichlorobe...			0.897	0.819	0.800	0.618	0.566	0.740	19.06
78)	T	Hexachloro-1,3...			0.410	0.388	0.392	0.289	0.249	0.345	20.80
79)	T	Naphthalene			0.997	0.823	0.867	0.715	0.754	0.831	13.20
80)	T	Naphthalene,2-...			0.130	0.090	0.130	0.142	0.186	0.135	25.27
81)	T	1,2,4-Trichlor...			0.547	0.491	0.498	0.392	0.393	0.464	14.88

 (#) = Out of Range