

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

Method File : VL080520AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05 13:04:46 2020

Last Update : Wed Aug 05 13:04:46 2020

Response Via : Initial Calibration

Calibration Files

0.03=VL035338.D 0.1 =VL035337.D 0.5 =VL035336.D 1 =VL035335.D 2 =VL035334.D 10 =VL035333.D 15 =VL035339.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----									
1) I Bromochloromethane									
2) T Dichlorodifluo...			1.913	1.467	1.207	1.122	0.942	1.330	28.31
3) Chlorodifluoro...			1.268	1.271	1.230	1.002	0.937	1.142	13.97
4) Chloromethane			0.729	0.690	0.693	0.573	0.546	0.646	12.57
5) T Vinyl Chloride	0.769	0.717	0.650	0.699	0.688	0.576	0.555	0.665	11.59
6) T Bromomethane			0.443	0.444	0.422	0.373	0.355	0.407	10.06
7) Chloroethane			0.273	0.263	0.261	0.219	0.218	0.247	10.62
8) T Dichlorotetra...			1.805	1.765	1.659	1.389	1.244	1.572	15.59
9) T Propene			0.405	0.410	0.440	0.391	0.387	0.407	5.14
10) T Heptane			0.784	1.026	1.134	1.125	1.126	1.039	14.36
11) T Trichlorofluor...			1.946	1.923	1.819	1.517	1.411	1.723	14.18
12) T 1,1,2-Trichlor...			1.393	1.388	1.288	1.071	1.017	1.232	14.39
13) Ethanol			0.163	0.170	0.169	0.097	0.102	0.140	26.70
14) T Bromoethene			0.511	0.529	0.517	0.462	0.450	0.494	7.19
15) T Acetone			1.732	1.639	1.539	1.113	1.077	1.420	21.48
16) T 1,3-Butadiene			0.561	0.574	0.554	0.525	0.519	0.547	4.28
17) tert-Butyl alc...			1.385	1.398	1.411	1.173	1.151	1.303	9.97
18) T 1,1-Dichloroet...			0.558	0.559	0.565	0.490	0.473	0.529	8.28
19) T Isopropyl Alcohol			0.970	1.032	0.982	0.744	0.773	0.900	14.65
20) T Methylene Chlo...			0.680	0.731	0.616	0.442	0.426	0.579	23.93
21) T Allyl Chloride			0.835	0.833	0.880	0.769	0.751	0.814	6.46
22) T trans-1,2-Dich...			0.531	0.567	0.518	0.481	0.467	0.513	7.74
23) T Vinyl Acetate			1.172	1.324	1.526	1.402	1.384	1.362	9.46
24) T 1,1-Dichloroet...			1.350	1.395	1.366	1.178	1.108	1.280	10.01
25) T Ethyl Acetate			2.134	2.308	2.360	2.020	1.967	2.158	8.00
26) T Hexane			0.888	0.936	1.059	0.904	0.893	0.936	7.61
27) T Carbon Disulfide			1.289	1.392	1.375	1.272	1.216	1.309	5.60
28) T Methyl tert-Bu...			1.214	1.367	1.506	1.393	1.325	1.361	7.80
29) T Chloroform			1.743	1.761	1.721	1.460	1.384	1.614	11.02
30) T Cyclohexane			0.686	0.594	0.754	0.761	0.754	0.710	10.09
31) T cis-1,2-Dichlo...			0.713	0.787	0.905	0.879	0.876	0.832	9.62
32) T 1,1,1-Trichlor...	2.303	1.745	1.663	1.681	1.624	1.451	1.403	1.696	17.41
-----ISTD-----									
33) I 1,4-Difluorobenzene									
34) T 2-Butanone			0.417	0.499	0.557	0.492	0.496	0.492	10.13
35) T Carbon Tetrach...	0.803	0.790	0.663	0.648	0.686	0.621	0.607	0.688	11.39
36) T Benzene			0.568	0.659	0.744	0.706	0.700	0.675	9.96
37) T 1,2-Dichloroet...			0.493	0.470	0.505	0.447	0.444	0.472	5.78
38) T Trichloroethene	0.400	0.304	0.251	0.294	0.313	0.311	0.308	0.311	14.29
39) T 1,2-Dichloropr...			0.247	0.273	0.299	0.271	0.277	0.273	6.84

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\
 Method File : VL080520AIR.M

40)	T	1,4-Dioxane			0.105	0.128	0.123	0.117	0.111	0.117	8.00
41)	T	Tetrahydrofuran			0.171	0.219	0.281	0.264	0.272	0.242	19.14
42)	T	Bromodichlorom...			0.596	0.650	0.674	0.629	0.619	0.634	4.69
43)		Methyl Methacr...			0.206	0.252	0.315	0.319	0.329	0.284	18.83
44)	T	2,2,4-Trimethy...			0.989	1.236	1.359	1.220	1.194	1.200	11.14
45)	T	t-1,3-Dichloro...			0.202	0.238	0.292	0.363	0.378	0.295	26.01
46)	T	cis-1,3-Dichlo...			0.254	0.291	0.367	0.427	0.441	0.356	23.09
47)	T	1,1,2-Trichlor...			0.323	0.337	0.355	0.314	0.315	0.329	5.19
48)	T	Dibromochlorom...			0.489	0.523	0.573	0.552	0.554	0.538	6.11
49)	T	Bromoform			0.438	0.471	0.514	0.515	0.515	0.491	7.14
50)	T	4-Methyl-2-Pen...			0.613	0.731	0.856	0.774	0.785	0.752	11.96
51)	T	2-Hexanone			0.428	0.549	0.683	0.633	0.654	0.589	17.53
52)	T	Tetrachloroethene	0.310	0.264	0.211	0.256	0.281	0.272	0.279	0.268	11.31
53)	T	Toluene			0.489	0.659	0.817	0.852	0.857	0.735	21.69
54)	T	1,2-Dibromoethane			0.428	0.469	0.494	0.477	0.490	0.472	5.60
-----ISTD-----											
55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.517	0.511	0.487	0.430	0.415	0.472	9.91
57)	T	Chlorobenzene			0.804	0.808	0.787	0.686	0.680	0.753	8.57
58)	T	Ethyl Benzene			0.739	1.008	1.175	1.150	1.130	1.041	17.36
59)	T	m/p-Xylene			0.820	0.988	1.078	0.982	0.976	0.969	9.59
60)	T	o-Xylene			0.791	0.965	1.102	0.990	0.960	0.962	11.57
61)	T	Styrene			0.360	0.502	0.663	0.707	0.705	0.587	25.98
62)		Isopropylbenzene			1.245	1.516	1.605	1.470	1.402	1.448	9.35
63)	T	1,1,2,2-Tetrac...	0.897	0.895	0.836	0.869	0.825	0.723	0.697	0.820	9.80
64)		n-propylbenzene			0.328	0.400	0.412	0.401	0.404	0.389	8.83
65)		tert-Butylbenzene			1.099	1.380	1.504	1.348	1.297	1.326	11.15
66)	T	Benzyl Chloride			0.471	0.503	0.529	0.553	0.567	0.525	7.39
67)		sec-Butylbenzene			1.576	1.997	2.172	1.865	1.765	1.875	12.06
68)	S	1-Bromo-4-Fluo...	0.840	0.841	0.882	0.843	0.810	0.815	0.807	0.834	3.13
69)		p-Isopropyltol...			1.188	1.566	1.775	1.596	1.519	1.529	13.99
70)		n-Butylbenzene			1.375	1.684	1.900	1.651	1.565	1.635	11.66
71)		2-Chlorotoluene			0.801	1.036	1.211	1.141	1.113	1.061	14.89
72)	T	4-Ethyltoluene			0.807	1.086	1.226	1.200	1.162	1.096	15.50
73)	T	1,3,5-Trimethy...			0.779	1.058	1.192	1.130	1.100	1.052	15.22
74)	T	1,2,4-Trimethy...			1.094	1.233	1.347	1.198	1.140	1.202	8.03
75)	T	1,3-Dichlorobe...			0.845	0.838	0.828	0.718	0.704	0.786	8.83
76)	T	1,4-Dichlorobe...			0.701	0.770	0.765	0.713	0.694	0.728	4.95
77)	T	1,2-Dichlorobe...			0.724	0.762	0.770	0.694	0.680	0.726	5.49
78)	T	Hexachloro-1,3...			0.662	0.654	0.672	0.542	0.557	0.618	10.15
79)	T	Naphthalene			0.583	0.767	0.985	1.133	1.155	0.925	26.57
80)	T	Naphthalene,2-...			0.035	0.048	0.083	0.408	0.477	0.210	101.91
81)	T	1,2,4-Trichlor...			0.459	0.551	0.619	0.636	0.649	0.583	13.54

(#) = Out of Range