

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

Method File : VL072920AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 07:14:29 2020

Last Update : Wed Jul 29 07:14:29 2020

Response Via : Initial Calibration

Calibration Files

0.03=VL035238.D 0.1 =VL035237.D 0.5 =VL035236.D 1 =VL035235.D 2 =VL035234.D 10 =VL035233.D 15 =VL035239.D

Compound		0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----								
2) T	Dichlorodifluo...			1.540	1.326	1.198	1.052	0.856	1.194	21.80
3)	Chlorodifluoro...			1.253	1.217	1.197	0.957	0.911	1.107	14.47
4)	Chloromethane			0.686	0.682	0.665	0.543	0.538	0.623	12.10
5) T	Vinyl Chloride	0.757	0.692	0.633	0.672	0.679	0.567	0.542	0.649	11.50
6) T	Bromomethane			0.462	0.424	0.417	0.355	0.346	0.401	12.21
7)	Chloroethane			0.252	0.243	0.250	0.216	0.211	0.234	8.22
8) T	Dichlorotetra...			1.839	1.716	1.580	1.320	1.121	1.515	19.34
9) T	Propene			0.366	0.392	0.425	0.371	0.376	0.386	6.17
10) T	Heptane			0.895	0.996	1.121	1.104	1.107	1.044	9.32
11) T	Trichlorofluor...			1.868	1.736	1.696	1.421	1.312	1.606	14.41
12) T	1,1,2-Trichlor...			1.293	1.257	1.204	1.006	0.937	1.139	13.90
13)	Ethanol			0.211	0.193	0.188	0.098	0.096	0.157	35.30
14) T	Bromoethene			0.483	0.482	0.501	0.431	0.428	0.465	7.16
15) T	Acetone			1.604	1.526	1.473	1.053	1.014	1.334	20.91
16) T	1,3-Butadiene			0.516	0.523	0.569	0.496	0.497	0.520	5.72
17)	tert-Butyl alc...			1.408	1.405	1.353	1.154	1.117	1.287	10.97
18) T	1,1-Dichloroet...			0.532	0.548	0.539	0.469	0.441	0.506	9.45
19) T	Isopropyl Alcohol			0.978	0.970	0.958	0.754	0.739	0.880	13.88
20) T	Methylene Chlo...			0.786	0.727	0.697	0.420	0.405	0.607	29.74
21) T	Allyl Chloride			0.766	0.759	0.834	0.731	0.709	0.760	6.24
22) T	trans-1,2-Dich...			0.532	0.507	0.513	0.452	0.427	0.486	9.16
23) T	Vinyl Acetate			1.298	1.307	1.424	1.337	1.336	1.340	3.71
24) T	1,1-Dichloroet...			1.356	1.311	1.360	1.133	1.090	1.250	10.33
25) T	Ethyl Acetate			2.088	2.193	2.309	1.935	1.890	2.083	8.40
26) T	Hexane			0.916	0.975	1.066	0.876	0.866	0.940	8.77
27) T	Carbon Disulfide			1.365	1.282	1.321	1.209	1.171	1.270	6.27
28) T	Methyl tert-Bu...			1.223	1.366	1.501	1.333	1.294	1.343	7.67
29) T	Chloroform			1.780	1.657	1.675	1.415	1.353	1.576	11.61
30) T	Cyclohexane			0.529	0.633	0.733	0.733	0.731	0.672	13.52
31) T	cis-1,2-Dichlo...			0.736	0.779	0.874	0.843	0.863	0.819	7.21
32) T	1,1,1-Trichlor...	2.070	1.733	1.608	1.542	1.597	1.404	1.340	1.613	14.89
33) I	1,4-Difluorobenzene	-----ISTD-----								
34) T	2-Butanone			0.477	0.522	0.564	0.493	0.489	0.509	6.83
35) T	Carbon Tetrach...	0.859	0.665	0.653	0.632	0.674	0.618	0.585	0.670	13.27
36) T	Benzene			0.626	0.677	0.762	0.708	0.702	0.695	7.12
37) T	1,2-Dichloroet...			0.516	0.483	0.525	0.461	0.445	0.486	7.09
38) T	Trichloroethene	0.276	0.278	0.257	0.283	0.327	0.302	0.293	0.288	7.77
39) T	1,2-Dichloropr...			0.255	0.263	0.306	0.282	0.281	0.277	7.20

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40)	T	1,4-Dioxane	0.108	0.106	0.105	0.117	0.110	0.109	4.39
41)	T	Tetrahydrofuran	0.195	0.227	0.284	0.267	0.273	0.249	14.88
42)	T	Bromodichlorom...	0.630	0.660	0.692	0.644	0.616	0.648	4.53
43)		Methyl Methacr...	0.239	0.270	0.322	0.336	0.338	0.301	14.63
44)	T	2,2,4-Trimethy...	1.018	1.250	1.407	1.249	1.199	1.225	11.39
45)	T	t-1,3-Dichloro...	0.208	0.250	0.304	0.372	0.382	0.303	24.88
46)	T	cis-1,3-Dichlo...	0.267	0.305	0.390	0.441	0.445	0.370	21.82
47)	T	1,1,2-Trichlor...	0.338	0.326	0.344	0.318	0.312	0.328	4.01
48)	T	Dibromochlorom...	0.471	0.494	0.541	0.543	0.531	0.516	6.17
49)	T	Bromoform	0.411	0.446	0.477	0.500	0.485	0.464	7.65
50)	T	4-Methyl-2-Pen...	0.585	0.712	0.828	0.786	0.775	0.737	12.82
51)	T	2-Hexanone	0.389	0.516	0.612	0.643	0.636	0.559	19.32
52)	T	Tetrachloroethene	0.328	0.225	0.232	0.259	0.275	0.265	12.78
53)	T	Toluene	0.524	0.655	0.825	0.852	0.836	0.739	19.49
54)	T	1,2-Dibromoethane	0.442	0.460	0.509	0.483	0.475	0.474	5.30

55)	I	Chlorobenzene-d5			-----ISTD-----						
56)		1,1,1,2-Tetrac...			0.512	0.494	0.483	0.431	0.380	0.460	11.75
57)	T	Chlorobenzene			0.810	0.806	0.812	0.709	0.626	0.752	11.05
58)	T	Ethyl Benzene			0.788	1.022	1.210	1.208	1.069	1.059	16.35
59)	T	m/p-Xylene			0.880	1.021	1.121	1.026	0.883	0.986	10.50
60)	T	o-Xylene			0.851	1.003	1.124	1.032	0.909	0.984	10.85
61)	T	Styrene			0.380	0.536	0.684	0.724	0.661	0.597	23.47
62)		Isopropylbenzene			1.297	1.548	1.665	1.511	1.301	1.464	11.02
63)	T	1,1,2,2-Tetrac...	1.090	0.788	0.863	0.879	0.878	0.765	0.663	0.846	15.64
64)		n-propylbenzene			0.346	0.381	0.442	0.407	0.370	0.389	9.40
65)		tert-Butylbenzene			1.172	1.404	1.535	1.350	1.170	1.326	11.82
66)	T	Benzyl Chloride			0.490	0.491	0.524	0.568	0.525	0.520	6.18
67)		sec-Butylbenzene			1.777	2.092	2.263	1.933	1.626	1.938	12.96
68)	S	1-Bromo-4-Fluo...	0.804	0.819	0.830	0.816	0.790	0.795	0.739	0.799	3.74
69)		p-Isopropyltol...			1.358	1.686	1.842	1.638	1.382	1.581	13.11
70)		n-Butylbenzene			1.577	1.793	1.996	1.720	1.467	1.710	11.91
71)		2-Chlorotoluene			0.920	1.123	1.249	1.181	1.047	1.104	11.47
72)	T	4-Ethyltoluene			0.863	1.101	1.267	1.231	1.073	1.107	14.41
73)	T	1,3,5-Trimethy...			0.900	1.098	1.237	1.151	1.012	1.080	12.00
74)	T	1,2,4-Trimethy...			1.205	1.371	1.425	1.234	1.050	1.257	11.74
75)	T	1,3-Dichlorobe...			0.931	0.903	0.860	0.728	0.637	0.812	15.39
76)	T	1,4-Dichlorobe...			0.689	0.797	0.817	0.727	0.640	0.734	10.06
77)	T	1,2-Dichlorobe...			0.743	0.778	0.791	0.704	0.619	0.727	9.50
78)	T	Hexachloro-1,3...			0.716	0.654	0.670	0.496	0.440	0.595	20.18
79)	T	Naphthalene			0.734	0.951	1.182	1.112	1.019	1.000	17.26
80)	T	Naphthalene,2-...			0.210	0.284	0.325	0.399	0.400	0.323	24.90
81)	T	1,2,4-Trichlor...			0.548	0.620	0.693	0.621	0.560	0.608	9.49

 (#) = Out of Range