

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

Method File : VL090519AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Sep 05 10:21:45 2019

Last Update : Thu Sep 05 10:21:45 2019

Response Via : Initial Calibration

Calibration Files

0.03=VL034125.D 0.1 =VL034124.D 0.5 =VL034123.D 1 =VL034122.D 2 =VL034121.D 10 =VL034120.D 15 =VL034126.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----									
1) I Bromochloromethane									
2) T Dichlorodifluo...			1.967	1.417	1.870	1.537	1.457	1.649	15.26
3) Chlorodifluoro...			1.214	1.176	1.159	1.012	1.013	1.115	8.58
4) Chloromethane			0.735	0.744	0.696	0.652	0.657	0.697	6.15
5) T Vinyl Chloride	0.733	0.665	0.629	0.641	0.626	0.572	0.577	0.635	8.64
6) T Bromomethane			0.337	0.320	0.318	0.298	0.293	0.313	5.71
7) Chloroethane			0.220	0.225	0.226	0.204	0.207	0.216	4.68
8) T Dichlorotetra...			1.466	1.417	1.428	1.197	1.131	1.328	11.47
9) T Propene			0.675	0.653	0.644	0.580	0.566	0.624	7.67
10) T Heptane			1.728	1.715	1.715	1.480	1.455	1.619	8.55
11) T Trichlorofluor...			1.479	1.410	1.415	1.229	1.192	1.345	9.40
12) T 1,1,2-Trichlor...			0.976	0.927	0.947	0.837	0.811	0.900	7.96
13) Ethanol			0.141	0.150	0.123	0.099	0.097	0.122	19.71
14) T Bromoethene			0.392	0.413	0.411	0.370	0.363	0.390	5.94
15) T Acetone			1.362	1.308	1.272	1.048	1.036	1.205	12.67
16) T 1,3-Butadiene			0.627	0.629	0.649	0.574	0.573	0.610	5.70
17) tert-Butyl alc...			0.973	0.961	0.922	0.827	0.693	0.875	13.37
18) T 1,1-Dichloroet...			0.425	0.415	0.430	0.396	0.390	0.411	4.30
19) T Isopropyl Alcohol			1.000	0.860	0.859	0.715	0.634	0.813	17.51
20) T Methylene Chlo...			0.442	0.438	0.414	0.350	0.349	0.398	11.58
21) T Allyl Chloride			0.816	0.817	0.813	0.763	0.764	0.795	3.59
22) T trans-1,2-Dich...			0.444	0.419	0.410	0.389	0.396	0.412	5.19
23) T Vinyl Acetate			2.120	2.101	2.180	1.943	1.879	2.045	6.23
24) T 1,1-Dichloroet...			1.481	1.434	1.425	1.238	1.207	1.357	9.22
25) T Ethyl Acetate			2.936	2.954	2.847	2.302	2.189	2.646	13.97
26) T Hexane			1.367	1.298	1.270	0.983	0.963	1.176	16.05
27) T Carbon Disulfide			1.021	1.094	1.082	1.063	1.047	1.062	2.71
28) T Methyl tert-Bu...			1.800	1.829	1.856	1.613	1.518	1.723	8.65
29) T Chloroform			1.734	1.688	1.649	1.447	1.414	1.586	9.18
30) T Cyclohexane			0.887	0.886	0.880	0.803	0.795	0.850	5.48
31) T cis-1,2-Dichlo...			1.153	1.175	1.196	1.063	1.045	1.126	6.03
32) T 1,1,1-Trichlor...	1.749	1.459	1.487	1.529	1.537	1.381	1.349	1.499	8.75
-----ISTD-----									
33) I 1,4-Difluorobenzene									
34) T 2-Butanone			1.049	1.062	1.025	0.855	0.816	0.961	12.11
35) T Carbon Tetrach...	1.030	0.717	0.762	0.797	0.792	0.699	0.660	0.780	15.57
36) T Benzene			1.238	1.259	1.233	1.032	0.953	1.143	12.29
37) T 1,2-Dichloroet...			0.763	0.772	0.727	0.628	0.615	0.701	10.63
38) T Trichloroethene	0.581	0.539	0.410	0.400	0.407	0.336	0.312	0.427	23.27
39) T 1,2-Dichloropr...			0.540	0.528	0.512	0.440	0.425	0.489	10.79

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40)	T	1,4-Dioxane			0.223	0.213	0.195	0.139	0.128	0.180	24.26
41)	T	Tetrahydrofuran			0.596	0.626	0.610	0.532	0.517	0.576	8.45
42)	T	Bromodichlorom...			0.940	1.000	0.979	0.851	0.799	0.914	9.38
43)		Methyl Methacr...			0.473	0.495	0.511	0.448	0.428	0.471	7.23
44)	T	2,2,4-Trimethy...			2.433	2.377	2.363	1.769	1.594	2.107	18.72
45)	T	t-1,3-Dichloro...			0.468	0.543	0.603	0.588	0.566	0.553	9.59
46)	T	cis-1,3-Dichlo...			0.629	0.711	0.737	0.659	0.630	0.673	7.30
47)	T	1,1,2-Trichlor...			0.489	0.470	0.478	0.405	0.386	0.446	10.47
48)	T	Dibromochlorom...			0.643	0.705	0.725	0.639	0.613	0.665	7.15
49)	T	Bromoform			0.539	0.617	0.656	0.562	0.541	0.583	8.86
50)	T	4-Methyl-2-Pen...			1.635	1.666	1.612	1.254	1.168	1.467	16.12
51)	T	2-Hexanone			1.374	1.394	1.427	1.101	1.041	1.267	14.34
52)	T	Tetrachloroethene	0.545	0.424	0.409	0.404	0.406	0.326	0.307	0.403	19.17
53)	T	Toluene			1.393	1.365	1.370	1.140	1.053	1.264	12.37
54)	T	1,2-Dibromoethane			0.713	0.710	0.722	0.601	0.575	0.664	10.57

55)	I	Chlorobenzene-d5			-----ISTD-----						
56)		1,1,1,2-Tetrac...			0.464	0.479	0.474	0.376	0.352	0.429	14.00
57)	T	Chlorobenzene			1.016	0.967	0.942	0.716	0.661	0.860	18.67
58)	T	Ethyl Benzene			1.869	1.880	1.834	1.371	1.245	1.640	18.68
59)	T	m/p-Xylene			1.508	1.567	1.501	1.107	1.006	1.338	19.48
60)	T	o-Xylene			1.592	1.526	1.462	1.092	0.989	1.332	20.48
61)	T	Styrene			1.094	1.103	1.106	0.868	0.811	0.997	14.53
62)		Isopropylbenzene			2.019	2.043	1.917	1.412	1.277	1.734	20.84
63)	T	1,1,2,2-Tetrac...	1.604	1.112	1.177	1.120	1.087	0.783	0.718	1.086	26.74
64)		n-propylbenzene			0.457	0.498	0.487	0.375	0.354	0.434	15.19
65)		tert-Butylbenzene			1.769	1.767	1.687	1.187	1.071	1.496	22.70
66)	T	Benzyl Chloride			0.408	0.474	0.617	0.653	0.605	0.552	19.04
67)		sec-Butylbenzene			2.513	2.567	2.461	1.694	1.521	2.151	23.31
68)	S	1-Bromo-4-Fluo...	0.842	0.845	0.840	0.820	0.811	0.786	0.779	0.818	3.32
69)		p-Isopropyltol...			1.998	2.009	1.971	1.379	1.249	1.721	21.76
70)		n-Butylbenzene			2.304	2.321	2.253	1.532	1.382	1.959	23.56
71)		2-Chlorotoluene			1.603	1.639	1.588	1.177	1.073	1.416	18.98
72)	T	4-Ethyltoluene			1.688	1.722	1.689	1.260	1.156	1.503	18.10
73)	T	1,3,5-Trimethy...			1.651	1.704	1.654	1.199	1.096	1.461	19.78
74)	T	1,2,4-Trimethy...			1.782	1.775	1.726	1.177	1.062	1.504	23.56
75)	T	1,3-Dichlorobe...			0.935	0.913	0.890	0.642	0.606	0.797	19.99
76)	T	1,4-Dichlorobe...			0.998	0.968	0.904	0.675	0.633	0.835	20.31
77)	T	1,2-Dichlorobe...			0.981	0.932	0.901	0.657	0.610	0.816	20.82
78)	T	Hexachloro-1,3...			0.666	0.650	0.623	0.433	0.413	0.557	22.20
79)	T	Naphthalene			1.461	1.528	1.573	1.155	1.083	1.360	16.56
80)	T	Naphthalene,2-...			0.267	0.344	0.425	0.689	0.636	0.472	38.88
81)	T	1,2,4-Trichlor...			0.822	0.841	0.851	0.608	0.578	0.740	18.27

(#) = Out of Range