

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

Method File : VL030420AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 06:36:39 2020

Last Update : Wed Mar 04 06:36:39 2020

Response Via : Initial Calibration

Calibration Files

0.03=VL034781.D 0.1 =VL034780.D 0.5 =VL034779.D 1 =VL034778.D 2 =VL034777.D 10 =VL034776.D 15 =VL034782.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----									
1) I Bromochloromethane									
2) T Dichlorodifluo...			2.107	1.923	1.891	1.215	1.023	1.632	29.42
3) Chlorodifluoro...			1.291	1.238	1.184	1.017	0.967	1.139	12.36
4) Chloromethane			0.664	0.649	0.660	0.560	0.536	0.614	9.90
5) T Vinyl Chloride	0.868	0.706	0.617	0.640	0.618	0.547	0.542	0.648	17.27
6) T Bromomethane			0.379	0.374	0.367	0.323	0.326	0.354	7.64
7) Chloroethane			0.250	0.245	0.223	0.204	0.198	0.224	10.49
8) T Dichlorotetra...			1.649	1.526	1.485	1.243	1.186	1.418	13.83
9) T Propene			0.475	0.462	0.472	0.432	0.401	0.448	7.04
10) T Heptane			1.023	1.168	1.218	1.166	1.123	1.140	6.45
11) T Trichlorofluor...			1.633	1.606	1.535	1.266	1.262	1.460	12.53
12) T 1,1,2-Trichlor...			1.140	1.081	1.074	0.866	0.876	1.008	12.65
13) Ethanol			0.213	0.194	0.121	0.127	0.113	0.154	30.33
14) T Bromoethene			0.419	0.443	0.435	0.393	0.378	0.413	6.69
15) T Acetone			1.440	1.297	1.271	0.994	0.986	1.197	16.70
16) T 1,3-Butadiene			0.557	0.560	0.572	0.522	0.498	0.542	5.68
17) tert-Butyl alc...			1.100	1.110	0.684	0.985	0.842	0.944	19.21
18) T 1,1-Dichloroet...			0.488	0.478	0.449	0.401	0.405	0.444	9.10
19) T Isopropyl Alcohol			0.806	0.823	0.533	0.760	0.665	0.717	16.72
20) T Methylene Chlo...			0.508	0.479	0.438	0.352	0.358	0.427	16.43
21) T Allyl Chloride			0.782	0.794	0.793	0.705	0.718	0.758	5.69
22) T trans-1,2-Dich...			0.465	0.456	0.449	0.386	0.413	0.434	7.67
23) T Vinyl Acetate			1.476	1.647	1.753	1.618	1.535	1.606	6.63
24) T 1,1-Dichloroet...			1.396	1.277	1.311	1.139	1.109	1.246	9.65
25) T Ethyl Acetate			2.142	2.203	2.183	1.958	1.861	2.069	7.33
26) T Hexane			0.902	0.928	0.971	0.880	0.840	0.904	5.46
27) T Carbon Disulfide			1.012	1.053	1.129	1.022	1.065	1.056	4.39
28) T Methyl tert-Bu...			1.361	1.447	1.424	1.309	1.187	1.346	7.73
29) T Chloroform			1.694	1.641	1.555	1.371	1.347	1.522	10.29
30) T Cyclohexane			0.634	0.664	0.733	0.725	0.702	0.692	6.07
31) T cis-1,2-Dichlo...			0.930	0.943	0.954	0.925	0.885	0.927	2.84
32) T 1,1,1-Trichlor...	2.027	1.459	1.495	1.420	1.461	1.340	1.324	1.504	15.91
-----ISTD-----									
33) I 1,4-Difluorobenzene									
34) T 2-Butanone			0.624	0.692	0.710	0.623	0.604	0.651	7.23
35) T Carbon Tetrach...	1.011	0.772	0.727	0.715	0.739	0.651	0.668	0.755	15.97
36) T Benzene			0.850	0.871	0.923	0.825	0.803	0.855	5.43
37) T 1,2-Dichloroet...			0.642	0.596	0.594	0.537	0.549	0.584	7.21
38) T Trichloroethene	0.435	0.314	0.307	0.327	0.330	0.310	0.309	0.333	13.81
39) T 1,2-Dichloropr...			0.354	0.361	0.353	0.329	0.326	0.345	4.69

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40)	T	1,4-Dioxane	0.122	0.140	0.102	0.122	0.110	0.119	11.96		
41)	T	Tetrahydrofuran	0.281	0.341	0.365	0.340	0.333	0.332	9.39		
42)	T	Bromodichlorom...	0.742	0.742	0.763	0.723	0.722	0.739	2.30		
43)		Methyl Methacr...	0.309	0.341	0.395	0.380	0.385	0.362	9.90		
44)	T	2,2,4-Trimethy...	1.428	1.574	1.641	1.440	1.382	1.493	7.31		
45)	T	t-1,3-Dichloro...	0.278	0.326	0.394	0.443	0.459	0.380	20.30		
46)	T	cis-1,3-Dichlo...	0.370	0.432	0.484	0.515	0.519	0.464	13.58		
47)	T	1,1,2-Trichlor...	0.376	0.366	0.393	0.343	0.343	0.364	5.92		
48)	T	Dibromochlorom...	0.518	0.548	0.607	0.581	0.592	0.569	6.37		
49)	T	Bromoform	0.439	0.469	0.529	0.518	0.529	0.497	8.16		
50)	T	4-Methyl-2-Pen...	0.841	0.941	1.031	0.932	0.916	0.932	7.25		
51)	T	2-Hexanone	0.591	0.689	0.823	0.773	0.780	0.731	12.60		
52)	T	Tetrachloroethene	0.379	0.347	0.281	0.307	0.317	0.291	0.288	0.316	11.30
53)	T	Toluene	0.719	0.915	1.004	0.948	0.936	0.904	12.02		
54)	T	1,2-Dibromoethane	0.504	0.549	0.586	0.527	0.526	0.538	5.82		

55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.455	0.476	0.468	0.405	0.412	0.443	7.36
57)	T	Chlorobenzene			0.851	0.814	0.815	0.668	0.672	0.764	11.39
58)	T	Ethyl Benzene			1.100	1.275	1.361	1.217	1.209	1.232	7.77
59)	T	m/p-Xylene			1.046	1.131	1.173	0.994	0.990	1.067	7.69
60)	T	o-Xylene			1.051	1.184	1.167	0.993	1.001	1.079	8.42
61)	T	Styrene			0.526	0.650	0.738	0.711	0.723	0.670	13.03
62)		Isopropylbenzene			1.590	1.715	1.752	1.447	1.438	1.589	9.19
63)	T	1,1,2,2-Tetrac...	0.990	0.884	0.891	0.866	0.877	0.715	0.732	0.851	11.32
64)		n-propylbenzene			0.373	0.415	0.434	0.382	0.388	0.398	6.36
65)		tert-Butylbenzene			1.225	1.458	1.502	1.265	1.263	1.342	9.49
66)	T	Benzyl Chloride			0.331	0.362	0.423	0.509	0.544	0.434	21.11
67)		sec-Butylbenzene			1.815	2.131	2.232	1.820	1.783	1.956	10.68
68)	S	1-Bromo-4-Fluo...	0.858	0.848	0.860	0.834	0.813	0.793	0.831	0.834	2.94
69)		p-Isopropyltol...			1.417	1.694	1.798	1.510	1.497	1.583	9.94
70)		n-Butylbenzene			1.568	1.843	1.966	1.644	1.634	1.731	9.63
71)		2-Chlorotoluene			1.067	1.251	1.364	1.159	1.158	1.200	9.38
72)	T	4-Ethyltoluene			1.088	1.222	1.336	1.172	1.190	1.202	7.47
73)	T	1,3,5-Trimethy...			1.068	1.194	1.269	1.116	1.117	1.153	6.84
74)	T	1,2,4-Trimethy...			1.228	1.342	1.391	1.152	1.153	1.253	8.73
75)	T	1,3-Dichlorobe...			0.769	0.819	0.788	0.662	0.671	0.742	9.63
76)	T	1,4-Dichlorobe...			0.726	0.744	0.739	0.665	0.675	0.710	5.22
77)	T	1,2-Dichlorobe...			0.730	0.739	0.776	0.644	0.660	0.710	7.89
78)	T	Hexachloro-1,3...			0.630	0.651	0.657	0.498	0.526	0.592	12.58
79)	T	Naphthalene			0.648	0.818	0.994	1.114	1.136	0.942	22.01
80)	T	Naphthalene,2-...			0.123	0.136	0.225	0.305	0.336	0.225	42.81
81)	T	1,2,4-Trichlor...			0.493	0.558	0.638	0.640	0.647	0.595	11.41

 (#) = Out of Range