

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

Method File : VL070219AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Jul 02 19:31:31 2019

Last Update : Tue Jul 02 19:31:31 2019

Response Via : Initial Calibration

Calibration Files

0.03=VL033994.D 0.1 =VL033993.D 0.5 =VL033992.D 1 =VL033991.D 2 =VL033990.D 10 =VL033989.D 15 =VL033995.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----									
1) I Bromochloromethane									
2) T Dichlorodifluo...			2.685	2.407	1.964	1.743	1.520	2.064	23.14
3) Chlorodifluoro...			1.427	1.312	1.230	1.139	1.066	1.235	11.50
4) Chloromethane			0.821	0.742	0.727	0.645	0.616	0.710	11.56
5) T Vinyl Chloride	1.081	0.764	0.783	0.790	0.782	0.707	0.682	0.798	16.48
6) T Bromomethane			0.481	0.477	0.506	0.452	0.438	0.471	5.64
7) Chloroethane			0.300	0.293	0.296	0.272	0.266	0.285	5.45
8) T Dichlorotetra...			2.232	2.161	2.085	1.835	1.746	2.012	10.50
9) T Propene			0.487	0.458	0.482	0.428	0.417	0.454	6.88
10) T Heptane			0.980	1.079	1.202	1.231	1.194	1.137	9.25
11) T Trichlorofluor...			2.429	2.291	2.236	2.009	2.638	2.321	10.06
12) T 1,1,2-Trichlor...			1.647	1.665	1.576	1.424	1.902	1.642	10.54
13) Ethanol			0.155	0.184	0.154	0.118	0.096	0.141	24.47
14) T Bromoethene			0.593	0.623	0.656	0.604	0.591	0.613	4.44
15) T Acetone			1.855	1.757	1.644	1.354	1.797	1.681	11.81
16) T 1,3-Butadiene			0.588	0.586	0.630	0.588	0.576	0.594	3.55
17) tert-Butyl alc...			1.212	1.345	1.295	1.270	1.581	1.340	10.64
18) T 1,1-Dichloroet...			0.730	0.693	0.705	0.665	0.864	0.732	10.62
19) T Isopropyl Alcohol			1.190	1.179	1.061	1.006	1.207	1.129	7.92
20) T Methylene Chlo...			0.820	0.754	0.737	0.579	0.776	0.733	12.51
21) T Allyl Chloride			0.958	0.993	1.005	0.970	1.316	1.048	14.38
22) T trans-1,2-Dich...			0.724	0.733	0.701	0.678	0.650	0.697	4.87
23) T Vinyl Acetate			1.317	1.770	1.843	1.785	1.675	1.678	12.55
24) T 1,1-Dichloroet...			1.560	1.546	1.563	1.424	1.343	1.487	6.66
25) T Ethyl Acetate			2.189	2.318	2.439	2.290	2.262	2.300	3.98
26) T Hexane			0.965	1.083	1.127	1.038	1.049	1.052	5.69
27) T Carbon Disulfide			1.584	1.643	1.662	1.723	2.333	1.789	17.22
28) T Methyl tert-Bu...			1.622	1.772	1.913	1.864	1.738	1.782	6.37
29) T Chloroform			2.122	2.103	2.052	1.832	1.779	1.978	8.10
30) T Cyclohexane			0.711	0.750	0.867	0.867	0.869	0.813	9.38
31) T cis-1,2-Dichlo...			0.919	0.930	1.074	1.093	1.068	1.017	8.33
32) T 1,1,1-Trichlor...	2.534	2.050	1.858	1.927	1.999	1.852	1.811	2.004	12.39
-----ISTD-----									
33) I 1,4-Difluorobenzene									
34) T 2-Butanone			0.462	0.533	0.592	0.542	0.518	0.529	8.87
35) T Carbon Tetrach...	0.910	0.797	0.759	0.780	0.789	0.765	0.742	0.792	6.99
36) T Benzene			0.690	0.744	0.830	0.837	0.811	0.782	8.10
37) T 1,2-Dichloroet...			0.577	0.580	0.604	0.567	0.554	0.576	3.19
38) T Trichloroethene	0.413	0.296	0.318	0.322	0.360	0.368	0.361	0.348	11.28
39) T 1,2-Dichloropr...			0.261	0.290	0.305	0.303	0.296	0.291	6.11

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40)	T	1,4-Dioxane	0.139	0.148	0.135	0.133	0.117	0.134	8.41	
41)	T	Tetrahydrofuran	0.204	0.237	0.287	0.289	0.281	0.260	14.56	
42)	T	Bromodichlorom...	0.741	0.767	0.813	0.781	0.765	0.773	3.42	
43)		Methyl Methacr...	0.235	0.272	0.311	0.336	0.330	0.297	14.32	
44)	T	2,2,4-Trimethy...	1.170	1.348	1.455	1.402	1.378	1.351	8.02	
45)	T	t-1,3-Dichloro...	0.273	0.310	0.393	0.477	0.487	0.388	24.80	
46)	T	cis-1,3-Dichlo...	0.333	0.383	0.457	0.528	0.547	0.450	20.45	
47)	T	1,1,2-Trichlor...	0.353	0.354	0.384	0.367	0.371	0.366	3.48	
48)	T	Dibromochlorom...	0.811	0.632	0.669	0.684	0.694	0.698	9.68	
49)	T	Bromoform	0.510	0.579	0.643	0.627	0.623	0.596	8.97	
50)	T	4-Methyl-2-Pen...	0.620	0.765	0.852	0.835	0.855	0.785	12.65	
51)	T	2-Hexanone	0.592	0.540	0.653	0.685	0.698	0.633	10.47	
52)	T	Tetrachloroethene	0.281	0.393	0.310	0.330	0.342	0.347	0.337	10.52
53)	T	Toluene	0.634	0.817	0.971	1.029	1.027	0.896	18.95	
54)	T	1,2-Dibromoethane	0.458	0.529	0.564	0.570	0.578	0.540	9.14	

55)	I	Chlorobenzene-d5			-----ISTD-----						
56)		1,1,1,2-Tetrac...			0.455	0.474	0.473	0.431	0.401	0.447	6.99
57)	T	Chlorobenzene			0.832	0.848	0.831	0.756	0.713	0.796	7.34
58)	T	Ethyl Benzene			0.905	1.201	1.320	1.328	1.258	1.203	14.46
59)	T	m/p-Xylene			0.936	1.140	1.193	1.117	1.060	1.089	9.01
60)	T	o-Xylene			0.927	1.154	1.224	1.104	1.037	1.089	10.45
61)	T	Styrene			0.518	0.672	0.792	0.832	0.790	0.721	17.78
62)		Isopropylbenzene			1.335	1.507	2.146	1.981	1.404	1.675	21.80
63)	T	1,1,2,2-Tetrac...	0.983	0.848	0.848	0.875	0.854	0.773	0.722	0.843	9.72
64)		n-propylbenzene			0.335	0.401	0.558	0.516	0.362	0.434	22.53
65)		tert-Butylbenzene			1.157	1.383	1.524	1.798	1.258	1.424	17.58
66)	T	Benzyl Chloride			0.585	0.589	0.709	1.019	0.741	0.729	24.24
67)		sec-Butylbenzene			1.650	2.014	2.104	2.475	1.751	1.999	16.23
68)	S	1-Bromo-4-Fluo...	0.794	0.812	0.812	0.807	1.029	0.991	0.726	0.853	13.11
69)		p-Isopropyltol...			1.327	1.620	1.773	2.058	1.461	1.648	17.23
70)		n-Butylbenzene			1.428	1.737	1.842	2.147	1.502	1.731	16.60
71)		2-Chlorotoluene			0.875	1.055	1.615	1.518	1.064	1.225	26.28
72)	T	4-Ethyltoluene			0.978	1.259	1.808	1.708	1.241	1.399	24.90
73)	T	1,3,5-Trimethy...			1.006	1.306	1.357	1.671	1.167	1.302	19.01
74)	T	1,2,4-Trimethy...			1.253	1.472	1.506	1.754	1.224	1.442	14.96
75)	T	1,3-Dichlorobe...			0.916	0.946	0.932	1.048	0.736	0.916	12.35
76)	T	1,4-Dichlorobe...			0.821	0.853	0.885	1.017	0.735	0.862	11.97
77)	T	1,2-Dichlorobe...			0.791	0.878	0.883	0.989	0.699	0.848	12.83
78)	T	Hexachloro-1,3...			0.773	0.803	0.776	0.736	0.518	0.722	16.10
79)	T	Naphthalene			0.874	1.129	1.323	1.566	1.168	1.212	21.07
80)	T	Naphthalene,2-...			0.297	0.334	0.575	0.536	0.463	0.441	27.72
81)	T	1,2,4-Trichlor...			0.661	0.775	0.833	0.938	0.685	0.778	14.47

 (#) = Out of Range