

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

Method File : VL051719AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019

Last Update : Fri May 17 08:15:41 2019

Response Via : Initial Calibration

Calibration Files

0.03=VL033705.D 0.1 =VL033704.D 0.5 =VL033703.D 1 =VL033702.D 2 =VL033701.D 10 =VL033700.D 15 =VL033706.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----									
1) I Bromochloromethane									
2) T Dichlorodifluo...			2.210	2.247	2.209	1.809	2.062	2.107	8.61
3) Chlorodifluoro...			1.167	1.191	1.164	1.085	1.120	1.145	3.70
4) Chloromethane			0.656	0.670	0.691	0.629	0.630	0.655	4.02
5) T Vinyl Chloride	0.768	0.673	0.653	0.658	0.662	0.617	0.642	0.667	7.15
6) T Bromomethane			0.403	0.401	0.425	0.403	0.405	0.407	2.41
7) Chloroethane			0.242	0.233	0.245	0.230	0.237	0.237	2.62
8) T Dichlorotetra...			1.767	1.730	1.770	1.589	1.639	1.699	4.78
9) T Propene			0.463	0.480	0.511	0.485	0.496	0.487	3.71
10) T Heptane			1.201	1.322	1.408	1.355	1.613	1.380	10.93
11) T Trichlorofluor...			2.029	1.981	2.124	1.986	1.936	2.011	3.53
12) T 1,1,2-Trichlor...			1.457	1.348	1.528	1.373	1.318	1.405	6.14
13) Ethanol			0.188	0.185	0.174	0.124	0.116	0.157	21.96
14) T Bromoethene			0.493	0.504	0.564	0.501	0.519	0.516	5.46
15) T Acetone			1.491	1.433	1.525	1.257	1.231	1.387	9.75
16) T 1,3-Butadiene			0.514	0.541	0.584	0.538	0.586	0.553	5.64
17) tert-Butyl alc...			1.112	1.110	1.213	1.168	1.006	1.122	6.91
18) T 1,1-Dichloroet...			0.564	0.567	0.658	0.600	0.575	0.593	6.61
19) T Isopropyl Alcohol			0.926	0.891	0.934	0.922	0.799	0.895	6.24
20) T Methylene Chlo...			0.564	0.532	0.596	0.495	0.484	0.534	8.81
21) T Allyl Chloride			0.835	0.774	0.956	0.895	0.866	0.865	7.84
22) T trans-1,2-Dich...			0.603	0.585	0.674	0.580	0.597	0.608	6.27
23) T Vinyl Acetate			1.676	1.646	2.083	1.881	1.861	1.829	9.65
24) T 1,1-Dichloroet...			1.458	1.381	1.529	1.299	1.285	1.391	7.49
25) T Ethyl Acetate			2.459	2.520	2.575	2.351	2.281	2.437	4.95
26) T Hexane			0.983	1.088	1.121	1.040	1.007	1.048	5.42
27) T Carbon Disulfide			1.349	1.267	1.563	1.530	1.479	1.438	8.73
28) T Methyl tert-Bu...			1.570	1.617	1.998	1.707	1.649	1.708	9.93
29) T Chloroform			1.979	1.911	1.938	1.766	2.056	1.930	5.52
30) T Cyclohexane			0.712	0.806	0.922	0.902	1.062	0.881	14.91
31) T cis-1,2-Dichlo...			1.001	1.040	1.092	1.007	1.054	1.039	3.58
32) T 1,1,1-Trichlor...	1.876	1.893	1.852	1.917	1.954	1.864	2.134	1.927	5.05
-----ISTD-----									
33) I 1,4-Difluorobenzene									
34) T 2-Butanone			0.632	0.643	0.693	0.623	0.508	0.620	10.97
35) T Carbon Tetrach...	0.776	0.692	0.834	0.828	0.855	0.824	0.797	0.801	6.81
36) T Benzene			0.864	0.897	0.970	0.933	0.885	0.910	4.63
37) T 1,2-Dichloroet...			0.593	0.597	0.615	0.576	0.553	0.587	3.96
38) T Trichloroethene	0.294	0.281	0.335	0.352	0.380	0.365	0.356	0.338	11.02
39) T 1,2-Dichloropr...			0.324	0.348	0.349	0.345	0.330	0.339	3.34

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40)	T	1,4-Dioxane			0.139	0.144	0.147	0.146	0.133	0.142	4.17
41)	T	Tetrahydrofuran			0.298	0.330	0.380	0.374	0.355	0.347	9.72
42)	T	Bromodichlorom...			0.765	0.801	0.839	0.816	0.796	0.803	3.39
43)		Methyl Methacr...			0.271	0.321	0.357	0.366	0.359	0.335	11.89
44)	T	2,2,4-Trimethy...			1.402	1.592	1.659	1.559	1.475	1.537	6.56
45)	T	t-1,3-Dichloro...			0.308	0.363	0.438	0.512	0.501	0.424	20.77
46)	T	cis-1,3-Dichlo...			0.372	0.448	0.524	0.584	0.556	0.497	17.42
47)	T	1,1,2-Trichlor...			0.372	0.392	0.399	0.386	0.377	0.385	2.91
48)	T	Dibromochlorom...			0.583	0.643	0.683	0.724	0.705	0.668	8.43
49)	T	Bromoform			0.455	0.529	0.585	0.606	0.633	0.562	12.58
50)	T	4-Methyl-2-Pen...			0.810	0.971	1.011	1.015	0.960	0.953	8.76
51)	T	2-Hexanone			0.574	0.707	0.793	0.838	0.808	0.744	14.35
52)	T	Tetrachloroethene	0.249	0.308	0.311	0.327	0.346	0.357	0.340	0.320	11.25
53)	T	Toluene			0.751	0.947	1.057	1.096	1.054	0.981	14.29
54)	T	1,2-Dibromoethane			0.520	0.582	0.614	0.618	0.606	0.588	6.89

55)	I	Chlorobenzene-d5			-----ISTD-----						
56)		1,1,1,2-Tetrac...			0.478	0.474	0.477	0.463	0.421	0.463	5.20
57)	T	Chlorobenzene			0.857	0.869	0.848	0.810	0.732	0.823	6.78
58)	T	Ethyl Benzene			1.098	1.345	1.419	1.457	1.302	1.324	10.60
59)	T	m/p-Xylene			1.042	1.189	1.249	1.218	1.091	1.158	7.57
60)	T	o-Xylene			1.062	1.214	1.243	1.216	1.100	1.167	6.87
61)	T	Styrene			0.555	0.758	0.859	0.913	0.843	0.786	17.87
62)		Isopropylbenzene			1.445	1.608	1.672	1.635	1.498	1.572	6.11
63)	T	1,1,2,2-Tetrac...	0.880	0.780	0.889	0.905	0.886	0.834	0.767	0.849	6.61
64)		n-propylbenzene			0.351	0.423	0.435	0.426	0.397	0.407	8.34
65)		tert-Butylbenzene			1.230	1.486	1.598	1.511	1.349	1.435	10.13
66)	T	Benzyl Chloride			0.478	0.597	0.709	0.842	0.791	0.683	21.58
67)		sec-Butylbenzene			1.781	2.082	2.207	2.098	1.872	2.008	8.74
68)	S	1-Bromo-4-Fluo...	0.829	0.831	0.830	0.803	0.795	0.810	0.777	0.811	2.54
69)		p-Isopropyltol...			1.381	1.682	1.854	1.783	1.599	1.660	11.05
70)		n-Butylbenzene			1.563	1.797	1.975	1.869	1.697	1.780	8.89
71)		2-Chlorotoluene			0.980	1.186	1.273	1.245	1.147	1.166	9.87
72)	T	4-Ethyltoluene			1.106	1.351	1.437	1.450	1.328	1.334	10.36
73)	T	1,3,5-Trimethy...			1.124	1.351	1.405	1.369	1.260	1.302	8.67
74)	T	1,2,4-Trimethy...			1.311	1.486	1.524	1.458	1.305	1.417	7.19
75)	T	1,3-Dichlorobe...			0.874	0.917	0.927	0.850	0.773	0.868	7.09
76)	T	1,4-Dichlorobe...			0.789	0.830	0.879	0.847	0.781	0.825	4.95
77)	T	1,2-Dichlorobe...			0.800	0.837	0.872	0.821	0.748	0.816	5.65
78)	T	Hexachloro-1,3...			0.691	0.659	0.656	0.564	0.515	0.617	11.99
79)	T	Naphthalene			0.998	1.246	1.452	1.503	1.379	1.316	15.36
80)	T	Naphthalene,2-...			0.286	0.401	0.542	0.669	0.602	0.500	31.04
81)	T	1,2,4-Trichlor...			0.686	0.766	0.844	0.814	0.742	0.771	8.01

(#) = Out of Range