

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

Method File : VL030819AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Sat Mar 09 03:32:03 2019

Last Update : Sat Mar 09 03:32:03 2019

Response Via : Initial Calibration

Calibration Files

0.03=VL033261.D 0.1 =VL033260.D 0.5 =VL033259.D 1 =VL033258.D 2 =VL033257.D 10 =VL033256.D 15 =VL033262.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----									
1) I Bromochloromethane									
2) T Dichlorodifluo...			2.112	2.055	1.959	1.888	1.440	1.891	14.08
3) Chlorodifluoro...			1.257	1.195	1.190	1.124	0.904	1.134	12.06
4) Chloromethane			0.614	0.642	0.615	0.591	0.493	0.591	9.77
5) T Vinyl Chloride	0.757	0.487	0.617	0.622	0.605	0.583	0.476	0.593	15.96
6) T Bromomethane			0.404	0.377	0.383	0.360	0.297	0.364	11.16
7) Chloroethane			0.217	0.232	0.226	0.214	0.182	0.214	8.96
8) T Dichlorotetra...			1.652	1.579	1.569	1.421	1.167	1.478	13.06
9) T Propene			0.543	0.516	0.534	0.501	0.408	0.500	10.77
10) T Heptane			1.346	1.323	1.396	1.503	1.265	1.367	6.55
11) T Trichlorofluor...			1.775	1.770	1.766	1.593	1.353	1.651	11.13
12) T 1,1,2-Trichlor...			1.165	1.169	1.157	1.054	0.881	1.085	11.38
13) Ethanol			0.198	0.180	0.171	0.098	0.077	0.145	36.98
14) T Bromoethene			0.455	0.456	0.483	0.446	0.388	0.445	7.87
15) T Acetone			1.341	1.336	1.325	1.032	0.899	1.187	17.46
16) T 1,3-Butadiene			0.512	0.491	0.516	0.529	0.413	0.492	9.41
17) tert-Butyl alc...			0.225	0.206	0.204	0.188	0.146	0.194	15.43
18) T 1,1-Dichloroet...			0.486	0.492	0.527	0.471	0.401	0.475	9.78
19) T Isopropyl Alcohol			0.880	0.803	0.712	0.658	0.509	0.713	19.96
20) T Methylene Chlo...			0.578	0.551	0.547	0.408	0.352	0.487	20.68
21) T Allyl Chloride			0.696	0.755	0.753	0.731	0.630	0.713	7.33
22) T trans-1,2-Dich...			0.530	0.490	0.524	0.471	0.421	0.487	9.10
23) T Vinyl Acetate			1.697	1.730	1.811	1.746	1.515	1.700	6.54
24) T 1,1-Dichloroet...			1.387	1.300	1.313	1.214	1.026	1.248	11.09
25) T Ethyl Acetate			2.370	2.399	2.407	2.119	2.037	2.266	7.71
26) T Hexane			1.155	1.158	1.141	0.953	0.932	1.068	10.75
27) T Carbon Disulfide			0.994	1.032	1.156	1.204	1.022	1.081	8.54
28) T Methyl tert-Bu...			1.395	1.426	1.461	1.395	1.182	1.372	8.01
29) T Chloroform			1.706	1.647	1.715	1.571	1.509	1.630	5.44
30) T Cyclohexane			0.804	0.790	0.836	0.916	0.788	0.827	6.42
31) T cis-1,2-Dichlo...			0.979	0.998	1.058	1.003	1.020	1.011	2.97
32) T 1,1,1-Trichlor...	1.463	1.492	1.579	1.535	1.571	1.593	1.541	1.539	3.09
-----ISTD-----									
33) I 1,4-Difluorobenzene									
34) T 2-Butanone			0.650	0.660	0.653	0.545	0.515	0.605	11.38
35) T Carbon Tetrach...	0.624	0.636	0.684	0.737	0.711	0.659	0.701	0.679	6.03
36) T Benzene			0.894	0.903	0.903	0.753	0.851	0.861	7.42
37) T 1,2-Dichloroet...			0.618	0.581	0.558	0.473	0.543	0.554	9.70
38) T Trichloroethene	0.354	0.298	0.355	0.351	0.345	0.325	0.311	0.334	6.85
39) T 1,2-Dichloropr...			0.336	0.350	0.345	0.334	0.325	0.338	2.93

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40)	T	1,4-Dioxane		0.135	0.137	0.129	0.117	0.106	0.125	10.55
41)	T	Tetrahydrofuran		0.342	0.354	0.355	0.311	0.346	0.342	5.28
42)	T	Bromodichlorom...		0.741	0.757	0.774	0.760	0.745	0.755	1.76
43)		Methyl Methacr...		0.319	0.349	0.347	0.362	0.356	0.346	4.79
44)	T	2,2,4-Trimethy...		1.541	1.643	1.601	1.471	1.394	1.530	6.52
45)	T	t-1,3-Dichloro...		0.348	0.389	0.420	0.474	0.467	0.419	12.70
46)	T	cis-1,3-Dichlo...		0.429	0.471	0.497	0.544	0.528	0.494	9.26
47)	T	1,1,2-Trichlor...		0.372	0.384	0.369	0.350	0.339	0.363	4.98
48)	T	Dibromochlorom...		0.555	0.591	0.618	0.618	0.591	0.595	4.35
49)	T	Bromoform		0.547	0.526	0.552	0.505	0.517	0.529	3.76
50)	T	4-Methyl-2-Pen...		0.872	0.962	0.957	0.910	0.872	0.915	4.80
51)	T	2-Hexanone		0.608	0.688	0.720	0.709	0.683	0.682	6.47
52)	T	Tetrachloroethene	0.298 0.290	0.326	0.384	0.331	0.307	0.309	0.321	9.83
53)	T	Toluene		0.910	1.008	1.036	1.009	0.968	0.986	4.94
54)	T	1,2-Dibromoethane		0.540	0.655	0.565	0.548	0.534	0.568	8.76

55)	I	Chlorobenzene-d5	-----ISTD-----							
56)		1,1,1,2-Tetrac...		0.441	0.432	0.436	0.398	0.387	0.419	5.86
57)	T	Chlorobenzene		0.785	0.800	0.760	0.672	0.650	0.733	9.23
58)	T	Ethyl Benzene		1.266	1.370	1.568	1.296	1.266	1.353	9.41
59)	T	m/p-Xylene		1.471	1.191	1.344	1.080	1.040	1.225	14.79
60)	T	o-Xylene		1.422	1.141	1.312	1.038	1.017	1.186	14.83
61)	T	Styrene		0.867	0.747	0.889	0.760	0.772	0.807	8.15
62)		Isopropylbenzene		1.720	1.595	1.774	1.448	1.382	1.584	10.66
63)	T	1,1,2,2-Tetrac...	0.674 0.695	1.043	0.771	0.841	0.670	0.646	0.763	18.48
64)		n-propylbenzene		0.392	0.376	0.436	0.365	0.367	0.387	7.64
65)		tert-Butylbenzene		1.406	1.305	1.553	1.229	1.167	1.332	11.44
66)	T	Benzyl Chloride		0.331	0.388	0.520	0.619	0.637	0.499	27.34
67)		sec-Butylbenzene		1.985	1.866	2.172	1.772	1.674	1.894	10.23
68)	S	1-Bromo-4-Fluo...	0.784 0.804	0.871	0.786	0.851	0.765	0.757	0.803	5.37
69)		p-Isopropyltol...		1.513	1.490	1.782	1.470	1.429	1.537	9.15
70)		n-Butylbenzene		1.706	1.609	1.908	1.591	1.515	1.666	9.10
71)		2-Chlorotoluene		1.216	1.183	1.356	1.108	1.061	1.185	9.59
72)	T	4-Ethyltoluene		1.229	1.219	1.401	1.186	1.140	1.235	8.02
73)	T	1,3,5-Trimethy...		1.204	1.120	1.345	1.124	1.090	1.177	8.77
74)	T	1,2,4-Trimethy...		1.292	1.221	1.381	1.143	1.085	1.224	9.59
75)	T	1,3-Dichlorobe...		0.785	0.726	0.814	0.662	0.631	0.724	10.80
76)	T	1,4-Dichlorobe...		0.755	0.692	0.786	0.663	0.647	0.709	8.43
77)	T	1,2-Dichlorobe...		0.724	0.687	0.796	0.644	0.630	0.697	9.62
78)	T	Hexachloro-1,3...		0.589	0.542	0.587	0.469	0.451	0.528	12.31
79)	T	Naphthalene		0.982	1.036	1.349	1.678	1.631	1.335	24.25
80)	T	Naphthalene,2-...		0.087	0.080	0.155	0.670	0.642	0.327	92.52
81)	T	1,2,4-Trichlor...		0.620	0.590	0.726	0.771	0.735	0.688	11.40

 (#) = Out of Range