

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

Method File : VL111919AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019

Last Update : Tue Nov 19 14:15:35 2019

Response Via : Initial Calibration

Calibration Files

0.03=VL034379.D 0.1 =VL034378.D 0.5 =VL034377.D 1 =VL034376.D 2 =VL034375.D 10 =VL034374.D 15 =VL034380.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----									
1) I Bromochloromethane									
2) T Dichlorodifluo...			2.442	2.186	1.506	1.745	1.167	1.809	28.33
3) Chlorodifluoro...			1.315	1.384	1.345	1.114	1.080	1.248	11.22
4) Chloromethane			0.798	0.819	0.756	0.651	0.656	0.736	10.69
5) T Vinyl Chloride	0.703	0.768	0.686	0.734	0.711	0.614	0.612	0.690	8.47
6) T Bromomethane			0.379	0.346	0.356	0.329	0.326	0.347	6.22
7) Chloroethane			0.245	0.286	0.267	0.226	0.228	0.250	10.31
8) T Dichlorotetra...			1.788	1.813	1.758	1.436	1.327	1.625	13.90
9) T Propene			0.611	0.589	0.573	0.494	0.502	0.554	9.52
10) T Heptane			1.474	1.545	1.491	1.312	1.325	1.430	7.31
11) T Trichlorofluor...			1.985	1.999	1.913	1.583	1.522	1.800	12.77
12) T 1,1,2-Trichlor...			1.349	1.287	1.242	1.052	1.048	1.196	11.55
13) Ethanol			0.151	0.214	0.182	0.117	0.108	0.154	28.94
14) T Bromoethene			0.515	0.485	0.528	0.456	0.447	0.486	7.33
15) T Acetone			1.689	1.614	1.543	1.158	1.155	1.432	17.90
16) T 1,3-Butadiene			0.663	0.651	0.645	0.583	0.576	0.624	6.54
17) tert-Butyl alc...			1.255	1.324	1.249	1.146	1.046	1.204	9.04
18) T 1,1-Dichloroet...			0.564	0.550	0.557	0.476	0.468	0.523	9.00
19) T Isopropyl Alcohol			1.214	0.574	1.045	0.919	0.837	0.918	26.04
20) T Methylene Chlo...			0.595	0.554	0.543	0.423	0.424	0.508	15.65
21) T Allyl Chloride			0.857	0.894	0.905	0.813	0.822	0.858	4.82
22) T trans-1,2-Dich...			0.573	0.535	0.549	0.489	0.491	0.527	7.00
23) T Vinyl Acetate			1.856	1.966	2.007	1.749	1.776	1.871	6.08
24) T 1,1-Dichloroet...			1.571	1.526	1.532	1.288	1.267	1.437	10.20
25) T Ethyl Acetate			2.773	2.767	2.744	2.273	2.219	2.555	11.08
26) T Hexane			1.171	1.171	1.210	0.976	0.962	1.098	10.83
27) T Carbon Disulfide			1.064	1.162	1.282	1.249	1.222	1.196	7.18
28) T Methyl tert-Bu...			1.881	1.933	1.962	1.712	1.616	1.821	8.24
29) T Chloroform			1.959	1.896	1.865	1.613	1.558	1.778	10.13
30) T Cyclohexane			0.818	0.850	0.875	0.803	0.804	0.830	3.78
31) T cis-1,2-Dichlo...			1.165	1.161	1.196	1.080	1.071	1.135	4.89
32) T 1,1,1-Trichlor...	1.426	1.835	1.648	1.788	1.797	1.618	1.557	1.667	8.92
-----ISTD-----									
33) I 1,4-Difluorobenzene									
34) T 2-Butanone			0.871	0.892	0.879	0.740	0.734	0.823	9.60
35) T Carbon Tetrach...	0.852	0.872	0.872	0.910	0.918	0.816	0.778	0.860	5.81
36) T Benzene			0.997	1.081	1.094	0.925	0.901	1.000	8.77
37) T 1,2-Dichloroet...			0.790	0.809	0.785	0.677	0.652	0.743	9.75
38) T Trichloroethene	0.481	0.435	0.409	0.407	0.414	0.369	0.356	0.410	10.12
39) T 1,2-Dichloropr...			0.450	0.257	0.449	0.388	0.381	0.385	20.40

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40)	T	1,4-Dioxane	0.173	0.207	0.176	0.150	0.135	0.168	16.45	
41)	T	Tetrahydrofuran	0.470	0.485	0.492	0.427	0.434	0.462	6.40	
42)	T	Bromodichlorom...	0.932	0.993	0.998	0.879	0.841	0.929	7.42	
43)		Methyl Methacr...	0.420	0.432	0.430	0.393	0.399	0.415	4.31	
44)	T	2,2,4-Trimethy...	1.894	2.065	1.998	1.631	1.547	1.827	12.46	
45)	T	t-1,3-Dichloro...	0.466	0.510	0.565	0.562	0.556	0.532	8.12	
46)	T	cis-1,3-Dichlo...	0.537	0.586	0.646	0.619	0.599	0.597	6.80	
47)	T	1,1,2-Trichlor...	0.450	0.447	0.461	0.397	0.387	0.428	7.80	
48)	T	Dibromochlorom...	0.685	0.766	0.795	0.730	0.702	0.736	6.13	
49)	T	Bromoform	0.604	0.658	0.718	0.663	0.641	0.657	6.30	
50)	T	4-Methyl-2-Pen...	1.216	1.293	1.276	1.097	1.073	1.191	8.49	
51)	T	2-Hexanone	0.961	1.068	1.089	0.928	0.941	0.998	7.55	
52)	T	Tetrachloroethene	0.533	0.530	0.440	0.409	0.409	0.347	0.433	17.28
53)	T	Toluene	1.110	1.224	1.213	1.083	1.048	1.135	6.96	
54)	T	1,2-Dibromoethane	0.676	0.712	0.690	0.612	0.594	0.657	7.78	

55)	I	Chlorobenzene-d5			-----ISTD-----							
56)		1,1,1,2-Tetrac...			0.501	0.532	0.514	0.457	0.442	0.489	7.82	
57)	T	Chlorobenzene			1.015	1.009	0.945	0.789	0.762	0.904	13.36	
58)	T	Ethyl Benzene			1.605	1.671	1.695	1.422	1.367	1.552	9.59	
59)	T	m/p-Xylene			1.432	1.512	1.453	1.200	1.111	1.341	13.07	
60)	T	o-Xylene			1.443	1.466	1.419	1.176	1.127	1.326	12.17	
61)	T	Styrene			0.948	1.023	1.050	0.893	0.868	0.956	8.26	
62)		Isopropylbenzene			1.879	1.940	1.930	1.552	1.470	1.754	12.83	
63)	T	1,1,2,2-Tetrac...	1.014	1.199	1.056	1.050	1.030	0.826	0.805	0.997	13.86	
64)		n-propylbenzene			0.493	0.486	0.490	0.406	0.402	0.456	10.32	
65)		tert-Butylbenzene			1.662	1.761	1.772	1.369	1.313	1.576	13.91	
66)	T	Benzyl Chloride			0.507	0.529	0.637	0.667	0.692	0.606	13.78	
67)		sec-Butylbenzene			2.421	2.460	2.470	1.891	1.778	2.204	15.44	
68)	S	1-Bromo-4-Fluo...	0.849	0.855	0.855	0.836	0.812	0.837	0.844	0.841	1.80	
69)		p-Isopropyltol...			1.921	2.068	2.070	1.584	1.503	1.829	14.72	
70)		n-Butylbenzene			2.060	2.285	2.219	1.677	1.600	1.968	15.90	
71)		2-Chlorotoluene			1.461	1.576	1.537	1.229	1.190	1.399	12.72	
72)	T	4-Ethyltoluene			1.604	1.710	1.670	1.364	1.314	1.533	11.83	
73)	T	1,3,5-Trimethy...			1.608	1.682	1.627	1.319	1.265	1.500	12.86	
74)	T	1,2,4-Trimethy...			1.760	1.832	1.755	1.341	1.279	1.593	16.41	
75)	T	1,3-Dichlorobe...			1.056	1.019	0.982	0.767	0.756	0.916	15.69	
76)	T	1,4-Dichlorobe...			0.977	0.988	0.950	0.769	0.763	0.889	12.76	
77)	T	1,2-Dichlorobe...			0.969	0.990	0.981	0.748	0.736	0.885	14.79	
78)	T	Hexachloro-1,3...			0.839	0.836	0.845	0.624	0.656	0.760	14.48	
79)	T	Naphthalene			1.402	1.521	1.591	1.197	1.195	1.381	13.19	
80)	T	Naphthalene,2-...			0.461	0.522	0.750	0.666	0.720	0.624	20.28	
81)	T	1,2,4-Trichlor...			0.896	0.938	0.969	0.718	0.722	0.849	14.16	

 (#) = Out of Range