

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

Method File : VL092418AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Sep 25 05:17:15 2018

Last Update : Tue Sep 25 05:17:15 2018

Response Via : Initial Calibration

Calibration Files

0.03=VL032519.D 0.1 =VL032518.D 0.5 =VL032517.D 1 =VL032516.D 2 =VL032515.D 10 =VL032514.D 15 =VL032520.D

Compound		0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----										
1) I	Bromochloromethane									
2) T	Dichlorodifluo...		1.332	1.052	0.859	0.818	0.565	0.925	30.93	
3)	Chlorodifluoro...		0.905	0.903	0.842	0.758	0.750	0.832	9.07	
4)	Chloromethane		0.520	0.532	0.482	0.445	0.446	0.485	8.37	
5) T	Vinyl Chloride	0.618	0.532	0.472	0.500	0.451	0.432	0.426	0.490	13.82
6) T	Bromomethane		0.277	0.281	0.267	0.266	0.249	0.268	4.64	
7)	Chloroethane		0.194	0.178	0.180	0.161	0.159	0.175	8.24	
8) T	Dichlorotetra...		1.147	1.124	1.024	0.910	0.848	1.011	12.95	
9) T	Propene		0.351	0.377	0.369	0.360	0.348	0.361	3.35	
10) T	Heptane		1.127	1.346	1.387	1.406	1.351	1.323	8.52	
11) T	Trichlorofluor...		1.271	1.191	1.101	0.960	0.975	1.100	12.29	
12) T	1,1,2-Trichlor...		0.999	0.982	0.919	0.802	0.792	0.899	10.82	
13)	Ethanol		0.146	0.117	0.106	0.093	0.081	0.108	23.15	
14) T	Bromoethene		0.329	0.331	0.317	0.309	0.309	0.319	3.33	
15) T	Acetone		1.027	0.967	0.889	0.754	0.752	0.878	14.14	
16) T	1,3-Butadiene		0.381	0.414	0.324	0.350	0.310	0.356	11.88	
17)	tert-Butyl alc...		0.139	0.132	0.101	0.093	0.087	0.110	21.24	
18) T	1,1-Dichloroet...		0.448	0.446	0.420	0.398	0.393	0.421	6.13	
19) T	Isopropyl Alcohol		0.645	0.682	0.607	0.581	0.543	0.611	8.88	
20) T	Methylene Chlo...		0.518	0.485	0.422	0.351	0.350	0.425	17.98	
21) T	Allyl Chloride		0.732	0.731	0.731	0.693	0.700	0.717	2.65	
22) T	trans-1,2-Dich...		0.403	0.413	0.408	0.375	0.385	0.397	4.11	
23) T	Vinyl Acetate		1.279	1.614	1.614	1.666	1.584	1.551	10.01	
24) T	1,1-Dichloroet...		1.392	1.357	1.334	1.208	1.167	1.292	7.62	
25) T	Ethyl Acetate		2.145	2.187	2.282	2.037	1.999	2.130	5.39	
26) T	Hexane		0.937	0.979	1.026	0.934	0.934	0.962	4.22	
27) T	Carbon Disulfide		1.025	1.056	1.033	1.011	1.046	1.034	1.69	
28) T	Methyl tert-Bu...		1.021	1.243	1.278	1.255	1.196	1.198	8.65	
29) T	Chloroform		1.633	1.559	1.495	1.341	1.354	1.476	8.64	
30) T	Cyclohexane		0.644	0.794	0.816	0.839	0.824	0.783	10.18	
31) T	cis-1,2-Dichlo...		0.791	0.900	0.968	0.958	0.965	0.916	8.24	
32) T	1,1,1-Trichlor...	1.990	1.542	1.540	1.590	1.539	1.447	1.365	1.573	12.62
-----ISTD-----										
33) I	1,4-Difluorobenzene									
34) T	2-Butanone		0.565	0.604	0.643	0.602	0.564	0.595	5.49	
35) T	Carbon Tetrach...	0.880	0.745	0.679	0.685	0.645	0.631	0.600	0.695	13.49
36) T	Benzene		0.736	0.834	0.863	0.820	0.787	0.808	5.99	
37) T	1,2-Dichloroet...		0.486	0.511	0.519	0.464	0.456	0.487	5.71	

Method	Path : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\										
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38) T	Trichloroethene	0.333	0.278	0.292	0.309	0.347	0.306	0.301	0.309	7.56	
39) T	1,2-Dichloropr...			0.346	0.367	0.394	0.365	0.349	0.364	5.35	
40) T	1,4-Dioxane			0.106	0.125	0.123	0.111	0.093	0.112	11.72	
41) T	Tetrahydrofuran			0.262	0.300	0.363	0.355	0.338	0.324	13.03	
42) T	Bromodichlorom...			0.729	0.741	0.775	0.707	0.696	0.730	4.20	
43)	Methyl Methacr...			0.269	0.314	0.365	0.369	0.372	0.338	13.38	
44) T	2,2,4-Trimethy...			1.404	1.636	1.792	1.571	1.494	1.579	9.30	
45) T	t-1,3-Dichloro...			0.310	0.369	0.431	0.521	0.469	0.420	19.74	
46) T	cis-1,3-Dichlo...			0.364	0.440	0.530	0.570	0.559	0.493	17.87	
47) T	1,1,2-Trichlor...			0.409	0.416	0.428	0.389	0.381	0.404	4.72	
48) T	Dibromochlorom...			0.601	0.631	0.679	0.638	0.631	0.636	4.43	
49) T	Bromoform			0.453	0.480	0.522	0.490	0.485	0.486	5.07	
50) T	4-Methyl-2-Pen...			0.809	0.933	1.062	0.975	0.902	0.936	9.97	
51) T	2-Hexanone			0.548	0.738	0.883	0.865	0.838	0.774	17.87	
52) T	Tetrachloroethene	0.327	0.278	0.249	0.272	0.296	0.276	0.272	0.281	8.71	
53) T	Toluene			0.744	0.922	1.095	1.094	1.069	0.985	15.47	
54) T	1,2-Dibromoethane			0.521	0.568	0.618	0.588	0.581	0.575	6.11	
55) I	Chlorobenzene-d5	-----ISTD-----									
56)	1,1,1,2-Tetrac...			0.500	0.492	0.467	0.408	0.381	0.450	11.73	
57) T	Chlorobenzene			0.890	0.870	0.857	0.726	0.685	0.806	11.58	
58) T	Ethyl Benzene			0.959	1.211	1.354	1.301	1.241	1.213	12.56	
59) T	m/p-Xylene			0.990	1.134	1.197	1.072	1.003	1.079	8.14	
60) T	o-Xylene			0.922	1.126	1.181	1.035	0.990	1.051	9.86	
61) T	Styrene			0.465	0.646	0.775	0.788	0.764	0.687	19.91	
62)	Isopropylbenzene			1.372	1.544	1.645	1.473	1.395	1.486	7.54	
63) T	1,1,2,2-Tetrac...	1.126	0.951	0.991	0.983	0.957	0.788	0.738	0.933	14.03	
64)	n-propylbenzene			0.337	0.394	0.424	0.384	0.370	0.382	8.36	
65)	tert-Butylbenzene			1.167	1.364	1.462	1.226	1.149	1.274	10.57	
66) T	Benzyl Chloride			0.607	0.701	0.802	0.790	0.770	0.734	11.02	
67)	sec-Butylbenzene			1.735	2.065	2.137	1.821	1.711	1.894	10.32	
68) S	1-Bromo-4-Fluo...	0.756	0.764	0.778	0.767	0.738	0.739	0.738	0.754	2.14	
69)	p-Isopropyltol...			1.271	1.523	1.688	1.454	1.377	1.463	10.72	
70)	n-Butylbenzene			1.354	1.669	1.856	1.598	1.511	1.598	11.66	
71)	2-Chlorotoluene			0.961	1.158	1.276	1.161	1.102	1.132	10.10	
72) T	4-Ethyltoluene			0.910	1.132	1.286	1.206	1.168	1.141	12.37	
73) T	1,3,5-Trimethy...			0.913	1.134	1.239	1.152	1.104	1.108	10.83	
74) T	1,2,4-Trimethy...			1.138	1.259	1.348	1.141	1.081	1.193	9.04	
75) T	1,3-Dichlorobe...			0.828	0.804	0.790	0.645	0.615	0.736	13.44	
76) T	1,4-Dichlorobe...			0.661	0.698	0.736	0.654	0.623	0.674	6.46	
77) T	1,2-Dichlorobe...			0.706	0.745	0.756	0.638	0.618	0.693	8.97	
78) T	Hexachloro-1,3...			0.302	0.289	0.282	0.214	0.212	0.260	16.60	
79) T	Naphthalene			0.528	0.719	0.927	1.071	1.058	0.861	27.13	
80) T	Naphthalene,2-...			0.043	0.049	0.094	0.406	0.418	0.202	95.20	
81) T	1,2,4-Trichlor...			0.331	0.404	0.469	0.509	0.492	0.441	16.65	

(#) = Out of Range