

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

Method File : VL101818AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Oct 25 05:15:43 2018

Last Update : Thu Oct 25 05:15:43 2018

Response Via : Initial Calibration

Calibration Files

0.03=VL032658.D 0.1 =VL032657.D 0.5 =VL032656.D 1 =VL032655.D 2 =VL032654.D 10 =VL032653.D 15 =VL032659.D

	Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
1) I	Bromochloromethane	-----ISTD-----								
2) T	Dichlorodifluo...		1.454	1.393	0.780	0.675	0.792	1.019	36.57	
3)	Chlorodifluoro...		0.830	0.834	0.836	0.671	0.739	0.782	9.48	
4)	Chloromethane		0.456	0.447	0.470	0.378	0.434	0.437	8.13	
5) T	Vinyl Chloride	0.632	0.479	0.450	0.464	0.466	0.387	0.436	0.473	16.10
6) T	Bromomethane		0.299	0.359	0.296	0.245	0.276	0.295	14.12	
7)	Chloroethane		0.167	0.216	0.180	0.145	0.165	0.174	14.98	
8) T	Dichlorotetra...		1.164	1.164	1.138	0.914	0.990	1.074	10.72	
9) T	Propene		0.317	0.323	0.339	0.292	0.339	0.322	6.06	
10) T	Heptane		1.129	1.233	1.349	1.165	1.325	1.240	7.74	
11) T	Trichlorofluor...		1.496	1.612	1.468	1.015	1.063	1.331	20.44	
12) T	1,1,2-Trichlor...		1.109	1.184	1.224	1.013	1.004	1.107	8.92	
13)	Ethanol		0.099	0.096	0.103	0.079	0.083	0.092	11.43	
14) T	Bromoethene		0.393	0.429	0.385	0.321	0.342	0.374	11.45	
15) T	Acetone		1.057	1.113	1.061	0.676	0.709	0.923	22.98	
16) T	1,3-Butadiene		0.341	0.336	0.364	0.304	0.354	0.340	6.78	
17)	tert-Butyl alc...		0.207	0.237	0.359	0.330	0.225	0.272	25.11	
18) T	1,1-Dichloroet...		0.478	0.511	0.563	0.473	0.405	0.486	11.87	
19) T	Isopropyl Alcohol		0.683	0.810	0.725	0.566	0.504	0.658	18.68	
20) T	Methylene Chlo...		0.489	0.513	0.521	0.409	0.411	0.469	11.69	
21) T	Allyl Chloride		0.690	0.685	0.878	0.762	0.777	0.758	10.37	
22) T	trans-1,2-Dich...		0.532	0.494	0.518	0.469	0.480	0.499	5.28	
23) T	Vinyl Acetate		1.455	1.693	1.774	1.549	1.711	1.636	7.98	
24) T	1,1-Dichloroet...		1.310	1.364	1.391	1.143	1.215	1.285	8.07	
25) T	Ethyl Acetate		2.243	2.231	2.252	1.955	1.948	2.126	7.50	
26) T	Hexane		1.034	1.050	1.097	0.925	0.923	1.006	7.75	
27) T	Carbon Disulfide		1.161	1.186	1.335	1.224	1.193	1.220	5.60	
28) T	Methyl tert-Bu...		1.224	1.481	1.639	1.403	1.480	1.445	10.42	
29) T	Chloroform		1.647	1.715	1.764	1.451	1.455	1.606	9.09	
30) T	Cyclohexane		0.698	0.751	0.871	0.780	0.879	0.796	9.82	
31) T	cis-1,2-Dichlo...		0.806	0.908	1.052	0.930	0.967	0.933	9.59	
32) T	1,1,1-Trichlor...	1.872	1.633	1.661	1.581	1.726	1.436	1.519	1.633	8.69
33) I	1,4-Difluorobenzene	-----ISTD-----								
34) T	2-Butanone		0.510	0.583	0.584	0.506	0.498	0.536	8.12	
35) T	Carbon Tetrach...	0.831	0.709	0.704	0.708	0.729	0.663	0.624	0.710	9.05
36) T	Benzene		0.789	0.823	0.876	0.793	0.780	0.812	4.82	
37) T	1,2-Dichloroet...		0.515	0.513	0.532	0.484	0.446	0.498	6.76	

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38)	T	Trichloroethene	0.292	0.252	0.309	0.319	0.331	0.301	0.300	0.301	8.32
39)	T	1,2-Dichloropr...			0.321	0.321	0.324	0.301	0.301	0.314	3.69
40)	T	1,4-Dioxane			0.104	0.115	0.106	0.108	0.102	0.107	4.73
41)	T	Tetrahydrofuran			0.263	0.281	0.319	0.314	0.316	0.299	8.42
42)	T	Bromodichlorom...			0.731	0.717	0.731	0.674	0.637	0.698	5.92
43)		Methyl Methacr...			0.251	0.283	0.321	0.319	0.314	0.298	10.20
44)	T	2,2,4-Trimethy...			1.321	1.478	1.512	1.334	1.286	1.386	7.32
45)	T	t-1,3-Dichloro...			0.286	0.342	0.421	0.476	0.467	0.398	20.59
46)	T	cis-1,3-Dichlo...			0.370	0.431	0.480	0.504	0.491	0.455	12.16
47)	T	1,1,2-Trichlor...			0.381	0.366	0.396	0.358	0.352	0.371	4.77
48)	T	Dibromochlorom...			0.588	0.597	0.661	0.635	0.607	0.618	4.84
49)	T	Bromoform			0.459	0.483	0.522	0.493	0.470	0.485	4.97
50)	T	4-Methyl-2-Pen...			0.739	0.815	0.864	0.787	0.766	0.794	6.05
51)	T	2-Hexanone			0.433	0.550	0.666	0.653	0.649	0.590	16.79
52)	T	Tetrachloroethene	0.276	0.264	0.289	0.271	0.319	0.275	0.289	0.283	6.45
53)	T	Toluene			0.750	0.899	1.032	0.991	0.982	0.931	12.04
54)	T	1,2-Dibromoethane			0.465	0.489	0.517	0.549	0.498	0.504	6.27
55)	I	Chlorobenzene-d5	-----ISTD-----								
56)		1,1,1,2-Tetrac...			0.476	0.470	0.457	0.400	0.383	0.437	9.77
57)	T	Chlorobenzene			0.792	0.788	0.766	0.675	0.655	0.735	8.90
58)	T	Ethyl Benzene			0.968	1.171	1.283	1.211	1.177	1.162	10.09
59)	T	m/p-Xylene			0.961	1.099	1.127	1.012	0.974	1.035	7.20
60)	T	o-Xylene			0.928	1.072	1.093	0.967	0.929	0.998	7.94
61)	T	Styrene			0.469	0.654	0.749	0.739	0.734	0.669	17.62
62)		Isopropylbenzene			1.389	1.499	1.514	1.352	1.308	1.412	6.44
63)	T	1,1,2,2-Tetrac...	0.948	0.753	0.824	0.829	0.791	0.679	0.649	0.782	12.86
64)		n-propylbenzene			0.315	0.370	0.378	0.348	0.344	0.351	7.10
65)		tert-Butylbenzene			1.100	1.302	1.335	1.165	1.113	1.203	9.04
66)	T	Benzyl Chloride			0.495	0.566	0.664	0.698	0.682	0.621	14.05
67)		sec-Butylbenzene			1.604	1.833	1.888	1.645	1.584	1.711	8.16
68)	S	1-Bromo-4-Fluo...	0.738	0.748	0.753	0.751	0.730	0.749	0.743	0.745	1.12
69)		p-Isopropyltol...			1.171	1.452	1.526	1.331	1.299	1.356	10.19
70)		n-Butylbenzene			1.193	1.471	1.599	1.387	1.327	1.396	10.92
71)		2-Chlorotoluene			0.869	1.056	1.095	1.014	0.985	1.004	8.57
72)	T	4-Ethyltoluene			0.863	1.103	1.184	1.092	1.071	1.063	11.26
73)	T	1,3,5-Trimethy...			0.923	1.091	1.115	1.033	1.014	1.035	7.25
74)	T	1,2,4-Trimethy...			1.046	1.221	1.210	1.049	1.002	1.106	9.25
75)	T	1,3-Dichlorobe...			0.646	0.690	0.686	0.591	0.567	0.636	8.73
76)	T	1,4-Dichlorobe...			0.542	0.606	0.635	0.579	0.571	0.587	6.04
77)	T	1,2-Dichlorobe...			0.593	0.646	0.656	0.564	0.553	0.602	7.74
78)	T	Hexachloro-1,3...			0.316	0.333	0.325	0.224	0.224	0.285	19.52
79)	T	Naphthalene			0.440	0.577	0.798	0.803	0.818	0.687	24.79
80)	T	Naphthalene,2-...			0.043	0.047	0.142	0.300	0.304	0.167	77.29
81)	T	1,2,4-Trichlor...			0.261	0.320	0.395	0.406	0.398	0.356	17.86

(#) = Out of Range