

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

Method File : VL062918AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Jun 29 22:27:58 2018

Last Update : Fri Jun 29 22:27:58 2018

Response Via : Initial Calibration

Calibration Files

0.03=VL032150.D 0.1 =VL032149.D 0.5 =VL032148.D 1 =VL032147.D 2 =VL032146.D 10 =VL032145.D 15 =VL032151.D

Compound		0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----										
1) I	Bromochloromethane									
2) T	Dichlorodifluo...		1.763	1.708	1.169	0.998	0.946	1.317	29.75	
3)	Chlorodifluoro...		1.302	1.341	1.288	1.117	1.061	1.222	10.18	
4)	Chloromethane		0.670	0.709	0.667	0.616	0.600	0.652	6.73	
5) T	Vinyl Chloride	0.720	0.671	0.660	0.695	0.679	0.602	0.585	0.659	7.38
6) T	Bromomethane		0.407	0.398	0.373	0.352	0.346	0.375	7.20	
7)	Chloroethane		0.242	0.242	0.254	0.215	0.211	0.233	8.04	
8) T	Dichlorotetra...		1.676	1.658	1.496	1.310	1.208	1.469	14.15	
9) T	Propene		0.603	0.613	0.598	0.536	0.498	0.569	8.80	
10) T	Heptane		1.793	1.746	1.690	1.620	1.452	1.660	8.03	
11) T	Trichlorofluor...		1.495	1.549	1.524	1.335	1.219	1.425	9.95	
12) T	1,1,2-Trichlor...		1.024	1.035	1.022	0.853	0.809	0.949	11.44	
13)	Ethanol		0.224	0.200	0.181	0.138	0.120	0.173	24.77	
14) T	Bromoethene		0.481	0.478	0.460	0.428	0.411	0.451	6.85	
15) T	Acetone		1.310	1.263	1.239	1.049	0.985	1.169	12.24	
16) T	1,3-Butadiene		0.588	0.550	0.570	0.547	0.534	0.558	3.80	
17)	tert-Butyl alc...		0.802	0.781	0.786	0.727	0.626	0.745	9.64	
18) T	1,1-Dichloroet...		0.493	0.480	0.475	0.429	0.393	0.454	9.18	
19) T	Isopropyl Alcohol		1.094	1.022	1.022	0.934	0.786	0.972	12.18	
20) T	Methylene Chlo...		0.509	0.477	0.434	0.369	0.348	0.427	16.08	
21) T	Allyl Chloride		0.806	0.859	0.838	0.768	0.721	0.798	6.91	
22) T	trans-1,2-Dich...		0.509	0.504	0.507	0.419	0.434	0.474	9.34	
23) T	Vinyl Acetate		2.362	2.196	2.154	1.996	1.894	2.120	8.55	
24) T	1,1-Dichloroet...		1.503	1.422	1.460	1.245	1.162	1.358	10.83	
25) T	Ethyl Acetate		2.649	2.573	2.548	2.201	2.125	2.419	9.85	
26) T	Hexane		1.232	1.196	1.203	0.988	0.952	1.114	11.93	
27) T	Carbon Disulfide		1.064	1.155	1.180	1.100	1.038	1.107	5.40	
28) T	Methyl tert-Bu...		2.188	2.073	2.105	1.837	1.642	1.969	11.42	
29) T	Chloroform		1.739	1.707	1.687	1.497	1.478	1.622	7.65	
30) T	Cyclohexane		1.160	1.103	1.115	0.919	0.954	1.050	10.17	
31) T	cis-1,2-Dichlo...		1.176	1.147	1.176	1.033	1.033	1.113	6.64	
32) T	1,1,1-Trichlor...	2.000	1.602	1.747	1.806	1.693	1.523	1.700	10.02	
-----ISTD-----										
33) I	1,4-Difluorobenzene									
34) T	2-Butanone		0.673	0.656	0.666	0.606	0.572	0.635	6.94	
35) T	Carbon Tetrach...	0.808	0.662	0.721	0.729	0.671	0.605	0.596	0.685	10.88
36) T	Benzene		1.067	1.092	0.968	0.858	0.855	0.968	11.57	
37) T	1,2-Dichloroet...		0.510	0.510	0.497	0.447	0.448	0.482	6.67	

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38)	T	Trichloroethene	0.462	0.386	0.399	0.385	0.378	0.352	0.285	0.378	14.01
39)	T	1,2-Dichloropr...			0.412	0.399	0.405	0.359	0.333	0.382	8.93
40)	T	1,4-Dioxane			0.175	0.160	0.158	0.147	0.108	0.150	16.82
41)	T	Tetrahydrofuran			0.399	0.398	0.403	0.364	0.338	0.380	7.48
42)	T	Bromodichlorom...			0.773	0.793	0.788	0.762	0.664	0.756	7.00
43)		Methyl Methacr...			0.413	0.419	0.416	0.404	0.353	0.401	6.84
44)	T	2,2,4-Trimethy...			1.889	1.834	1.772	1.622	1.351	1.694	12.76
45)	T	t-1,3-Dichloro...			0.459	0.503	0.515	0.530	0.479	0.497	5.65
46)	T	cis-1,3-Dichlo...			0.592	0.614	0.625	0.588	0.549	0.594	4.90
47)	T	1,1,2-Trichlor...			0.438	0.402	0.414	0.383	0.347	0.397	8.66
48)	T	Dibromochlorom...			0.595	0.629	0.676	0.630	0.541	0.614	8.14
49)	T	Bromoform			0.486	0.548	0.562	0.528	0.447	0.514	9.20
50)	T	4-Methyl-2-Pen...			1.101	1.126	1.094	0.973	0.905	1.040	9.24
51)	T	2-Hexanone			0.871	0.911	0.943	0.839	0.746	0.862	8.81
52)	T	Tetrachloroethene	0.464	0.360	0.362	0.359	0.349	0.309	0.261	0.352	17.55
53)	T	Toluene			1.267	1.266	1.232	1.121	0.963	1.170	11.15
54)	T	1,2-Dibromoethane			0.618	0.633	0.633	0.583	0.515	0.596	8.42

55)	I	Chlorobenzene-d5	-----ISTD-----								
56)		1,1,1,2-Tetrac...			0.503	0.485	0.480	0.391	0.375	0.446	13.24
57)	T	Chlorobenzene			0.996	0.963	0.919	0.742	0.709	0.866	15.18
58)	T	Ethyl Benzene			1.874	1.791	1.672	1.375	1.346	1.612	14.91
59)	T	m/p-Xylene			1.506	1.470	1.352	1.080	1.053	1.292	16.56
60)	T	o-Xylene			1.525	1.490	1.341	1.067	1.019	1.288	18.25
61)	T	Styrene			1.181	1.180	1.084	0.944	0.892	1.056	12.64
62)		Isopropylbenzene			2.204	2.201	2.403	1.588	1.509	1.981	20.40
63)	T	1,1,2,2-Tetrac...	1.412	1.056	1.089	1.015	0.943	0.748	0.721	0.998	23.32
64)		n-propylbenzene			0.535	0.566	0.652	0.409	0.402	0.513	20.84
65)		tert-Butylbenzene			1.928	1.972	2.244	1.319	1.242	1.741	25.17
66)	T	Benzyl Chloride			0.880	1.112	1.465	0.994	0.925	1.075	21.85
67)		sec-Butylbenzene			2.919	2.801	3.265	1.929	1.830	2.549	24.93
68)	S	1-Bromo-4-Fluo...	0.746	0.755	0.761	0.761	0.855	0.719	0.755	0.764	5.55
69)		p-Isopropyltol...			2.252	2.223	2.647	1.599	1.503	2.045	23.57
70)		n-Butylbenzene			2.361	2.290	2.746	1.669	1.609	2.135	22.73
71)		2-Chlorotoluene			1.640	1.666	1.922	1.197	1.202	1.525	20.78
72)	T	4-Ethyltoluene			1.748	1.825	2.101	1.335	1.312	1.664	20.29
73)	T	1,3,5-Trimethy...			1.686	1.697	1.964	1.260	1.231	1.568	20.08
74)	T	1,2,4-Trimethy...			1.748	1.759	2.010	1.223	1.170	1.582	23.22
75)	T	1,3-Dichlorobe...			0.968	1.004	1.167	0.701	0.659	0.900	23.84
76)	T	1,4-Dichlorobe...			1.020	0.946	1.164	0.735	0.698	0.912	21.44
77)	T	1,2-Dichlorobe...			0.967	0.972	1.152	0.718	0.687	0.899	21.64
78)	T	Hexachloro-1,3...			0.368	0.335	0.373	0.249	0.241	0.313	20.45
79)	T	Naphthalene			1.371	1.325	1.787	1.365	1.342	1.438	13.64
80)	T	Naphthalene,2-...			0.295	0.312	0.528	0.753	0.708	0.519	41.29
81)	T	1,2,4-Trichlor...			0.607	0.631	0.797	0.622	0.590	0.649	12.93

(#) = Out of Range