Supplementary Table S1. Interday and Intraday Accuracy and Precision of Analytes

		Day 1			Day 2			Day 3		
Analyte	Spike Conc. (μg/mL)	Mean ± SD (μg/mL)	%RSD	%Recovery	Mean ± SD (μg/mL)	%RSD	%Recovery	Mean ± SD (μg/mL)	%RSD	%Recovery
Low										
Formaldehyde	0.45	0.480 ± 0.002	0.42	110.70	0.430 ± 0.033	7.71	99.25	0.429 ± 0.015	3.54	98.88
Acetaldehyde	5	4.450 ± 0.095	2.15	92.34	3.936 ± 0.396	10.05	81.68	3.898 ± 0.212	5.44	80.88
Acetone	2	2.448 ± 0.042	1.72	127.00	2.144 ± 0.185	8.61	111.23	1.629 ± 0.045	2.75	84.53
Acrolein	0.5	0.453 ± 0.013	2.84	94.06	0.394 ± 0.032	8.25	81.67	0.391 ± 0.011	2.94	81.10
Propionaldehyde	0.4	0.384 ± 0.11	2.83	99.59	0.336 ± 0.039	11.47	87.19	0.334 ± 0.022	6.55	86.66
Crotonaldehyde	0.2	0.290 ± 0.017	5.86	150.43	0.257 ± 0.031	12.17	133.23	0.255 ± 0.016	6.37	132.13
2-butanone	0.55	0.405 ± 0.024	5.81	76.32	0.352 ± 0.037	10.41	66.38	0.351 ± 0.017	4.90	66.19
Butyraldehyde	0.6	0.584 ± 0.23	3.86	101.05	0.508 ± 0.029	5.68	87.79	0.500 ± 0.003	0.60	86.54
Medium										
Formaldehyde	0.9	0.911 ± 0.117	12.84	108.77	0.817 ± 0.72	8.76	97.54	0.842 ± 0.121	14.34	90.97
Acetaldehyde	10	8.810 ± 0.041	0.47	94.72	7.883 ± 0.800	10.15	84.75	7.986 ± 0.264	3.31	85.85
Acetone	4	4.026 ± 0.032	0.80	108.20	3.586 ± 0.424	11.82	96.39	3.241 ± 0.109	3.38	87.10
Acrolein	1	0.907 ± 0.004	0.45	97.51	0.799 ± 0.094	11.78	85.88	0.813 ± 0.025	3.11	87.41
Propionaldehyde	0.8	0.735 ± 0.020	2.74	98.81	0.651 ± 0.079	12.10	87.43	0.662 ± 0.025	3.81	89.02
Crotonaldehyde	0.4	0.512 ± 0.041	7.93	137.69	0.457 ± 0.083	18.12	122.92	0.463 ± 0.022	4.83	124.54
2-butanone	1.1	0.734 ± 0.035	4.70	71.78	0.647 ± 0.103	15.95	63.21	0.658 ± 0.010	1.58	64.26
Butyraldehyde	1.2	1.054 ± 0.057	5.42	94.43	0.930 ± 0.143	15.38	83.35	0.939 ± 0.049	5.17	84.12
High										
Formaldehyde	1.35	1.206 ± 0.035	2.87	99.36	1.060 ± 0.065	6.09	87.38	1.115 ± 0.053	4.80	91.93
Acetaldehyde	15	13.117 ± 0.070	0.53	97.30	11.363 ± 0.332	2.92	84.29	11.981 ± 0.192	1.60	88.86
Acetone	6	5.528 ± 0.038	0.69	102.50	4.746 ± 0.184	3.88	88.00	4.649 ± 0.070	1.50	86.22
Acrolein	1.5	1.345 ± 0.018	1.37	99.79	1.141 ± 0.046	4.01	84.62	1.215 ± 0.035	2.92	90.11
Propionaldehyde	1.2	1.095 ± 0.099	9.04	101.50	0.932 ± 0.069	7.37	86.40	0.993 ± 0.072	7.22	92.09
Crotonaldehyde	0.6	0.744 ± 0.016	2.14	138.01	0.633 ± 0.026	4.05	117.44	0.674 ± 0.012	1.79	124.99
2-butanone	1.65	1.059 ± 0.036	3.37	71.39	0.892 ± 0.051	5.74	60.15	0.952 ± 0.038	4.01	64.16
Butyraldehyde	1.8	1.454 ± 0.090	6.19	89.89	1.232 ± 0.117	9.52	76.13	1.306 ± 0.103	7.89	80.72

Analysis was completed on three consecutive days.
%RSD, percent relative standard deviation; SD, standard deviation.