Supplementary Materials

Table S1: Statistical analysis of data for degradation of the p-chlorocresol in 4 L tannery wastewater at O3 only, and O3 plus Fenton dosing rates.

Anova: Two-Factor						
Sumarry	*Count*	*Sum*	*Average*	*Variance*		
p-chlorocresol	2.00	127.32	63.66	167.77		
	2.00	91.51	45.76	0.02		
	2.00	79.30	39.65	23.16		
	2.00	74.78	37.39	0.01		
O3	4.00	192.25	48.06	290.86		
O3+Fenton	4.00	180.67	45.17	50.44		
ANOVA						
Source of Variation	*SS*	*df*	*MS*	*F*	*P-value*	*F crit*
p-chlorocresol	849.70	3.00	283.23	4.88	0.11	9.28
O3, O3+Fenton	16.75	1.00	16.75	0.29	0.63	10.13
Error	174.20	3.00	58.07			
Total	1040.65	7.00				

Table S2: Statistical analysis of data for removal of COD, TOC, DOC and p-chlorocresol in the venturi delivery trials with centrifugal pump.

ANOVA: Two-Factor						
Summary	*Count*	*Sum*	*Average*	*Variance*		
COD	3.00	91.96	30.65	83.90		
TOC	3.00	94.16	31.39	44.06		
DOC	3.00	65.30	21.77	193.14		
p-chlorocresol	3.00	121.20	40.40	51.75		
O3 only	4.00	100.82	25.21	52.36		
O3+Fenton (0.25 mM Fe)	4.00	140.26	35.06	50.74		
O3+Fenton (0.50 mM Fe)	4.00	131.54	32.89	247.80		
ANOVA						
Source of Variation	*SS*	*df*	*MS*	*F*	*P-value*	*F crit*
COD, TOC, DOC, p-chlorocresol	521.58	3.00	173.86	1.96	0.22	4.76
O3, O3+Fenton	214.60	2.00	107.30	1.21	0.36	5.14
Error	531.10	6.00	88.52			
Total	1267.28	11.00				

Table S3: Statistical analysis of data for removal of the p-chlorocresol in 700 L tannery wastewater at a 20 g h-1 O3 dosing rate over 24 hours using a venturi delivery system with improved circulation pump (screw pump) and direct delivery system.

ANOVA: Two-Factor						
Summary	*Count*	*Sum*	*Average*	*Variance*		
O3	2.00	153.98	76.99	44.94		
O3+F	2.00	203.61	101.81	473.40		
Venturi delivery	2.00	198.92	99.46	628.71		
Direct delivery	2.00	158.67	79.34	100.39		
ANOVA						
Source of Variation	*SS*	*df*	*MS*	*F*	*P-value*	*F crit*
O3, Fenton	615.78	1.00	615.78	5.43	0.26	161.45
Delivery	405.02	1.00	405.02	3.57	0.31	161.45
Error	113.32	1.00	113.32			
Total	1134.12	3.00				