CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2015
DateRun:	10/27/2015
Experimenters:	Alicia McCarthy
ClientType:	Cleaning Equipment Mfr
ProjectNumber:	Project #1
Substrates:	Stainless Steel
PartType:	Coupon
Contaminants:	Greases, Oil, Food
Cleaning Methods:	Manual Wipe
Analytical Methods:	Gravimetric
Purpose:	Abraision Testing of No Stabilizer
Experimental Procedure:	Initial weights of stainless steel coupons were recorded and then coated with 0.5 grams of DCC-17 soil. The coupons air dried overnight and dirty weights were recorded the next day. A clean 5 gallon bucket was filled to the 4 gallon marker 3 times with the ozone water. In a clean 1000ml glass beaker, ozone was collected to the 800ml marker. Three dirty coupons were placed on the abrasion machine at a time per abrasion trial. Using a spray nozzle, the ozone water was sprayed once on each dirty coupon and then once on a Wypal towel. The machine was run for 20 cycles (30 seconds of cleaning), and then the clean coupons were removed to air dry overnight on a tray. This process was again repeated at the 30 minute mark for no stabilizer with the same sample of ozone water. Clean weights were recorded for percentage removal the next day.
Results:	

Summary:

Substrates:	Stainless Steel				
Contaminants:	Greases, Oil, Food				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Lotus Pro Tersano	Ozonated water unstabilized	100	91.00	☑	

Conclusion: The TURI Lab recently completed an evaluation on the life span of the ozone with no stabilizer. Cleaning levels did not vary much from initial collection point to the 30 minute time frame. Cleaning was found to be lower than the level of cleaning when using the stabilizer.