

US EPA ARCHIVE DOCUMENT

Table 1. Auto Salvage Facility Baseline (2005/2006) and Postintervention (2008 Inspections) Compliance Data

	Statistical Comparison			
	Baseline Compliance Rate (p ₁)	Post-Certification Compliance Rate (p ₂)	Percentage change ^a	P
<i>Refrigerant Recovery</i>				
Technicians EPA certified	0.48	0.71	23	0.066
EPA approved recovery equipment	0.77	0.97	20	0.033
<i>Lead Acid Batteries</i>				
Store batteries safely	0.68	0.97	29	0.001*
Inspect batteries for leaks	0.61	1.00	39	<0.001*
<i>Mercury Switches</i>				
Remove from hood/trunk	0.22	0.83	61	<0.001*
Switches sent to recycler	0.00	0.60	60	0.003*
Remove antilock brake switches	0.06	0.06	0	0.659
<i>Waste Tires</i>				
Store >400 tires with license	0.00	0.00	0	NA
Tire piles (>400) covered	0.00	0.00	0	NA
<i>Waste Oil</i>				
Containers labeled "Waste oil"	0.60	0.97	37	0.001*
<i>Wastewater Discharge</i>				
Process water does not impact GW	0.50	0.83	33	0.215
<i>Stormwater</i>				
Stormwater permit appl.	0.21	0.39	18	0.091
Follow a written stormwater plan	0.21	0.44	23	0.030
<i>Hazardous Waste</i>				
Submitted list of agents	0.44	0.80	36	0.238

^aCalculated as 100(p₂-p₁)

P values were calculated with the Fisher exact test online, available at <http://www.quantitativeskills.com/sisa/statistics/fisher.htm>;

P values calculated only for performance indicators showing improvement (1-tailed test)

*P significant; Holm's-modified Bonferroni adjustment for multiple comparisons