# CLEANING LABORATORY EVALUATION SUMMARY

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| SCL #: | 2004 |
| DateRun: | 03/31/2004 |
| Experimenters: | Dave Hout |
| ClientType: | Lab |
| ProjectNumber: | Project #1 |
| Substrates: | Stainless Steel |
| PartType: | Coupon |
| Contaminants: | Oil |
| Cleaning Methods: | Immersion/Soak |
| Analytical Methods: | Gravimetric |
| Purpose: | Laboratory evaluations of alternative cleaning products |
| Experimental Procedure: | Basic cleaning performance testing was conducted using ASTM G122 as the bases for cleaning.<br>One product was used at full strength and four products were heated to 130 F on a hot plate. Twenty-four preweighed coupons were coated with Oil-Benecyn B-5186 (64742-5, 9003-29-6, 3964-69-2, 63197-48-8) and allowed to dry for a half an hour and reweighed. Three coupons were cleaned in each solution for 5 minutes using stir-bar-agitation, rinsed in a tap water bath for 15 seconds at 120 F and dried using air blow off for 30 seconds at 68 F. Coupons were allowed to dry for a half an hour and then reweighed a final time. Efficiencies were calculated. |
| Results: | |

Summary:

| **Substrates:** | Stainless Steel | | | | |
|---|---|---|---|---|---|
| **Contaminants:** | Oil | | | | |
| **Company Name:** | **Product Name:** | **Conc.:** | **Efficiency:** | **Effective:** | **Observations:** |
| Nensco | USA Wash | 100 | 98.94 | ☑ | |
| Quaker Chemical | Formula 625 XL | 5 | 98.19 | ☑ | |
| SOQ Environmental Technology | Ecomate FN | 5 | 1.69 | ☐ | |
| Watson Technical Associates | Watson Formula 9000 | 5 | 71.98 | ☐ | |

Conclusion: Three out of the five products were effective at removing the contaminant at an efficiency rate of over 98%