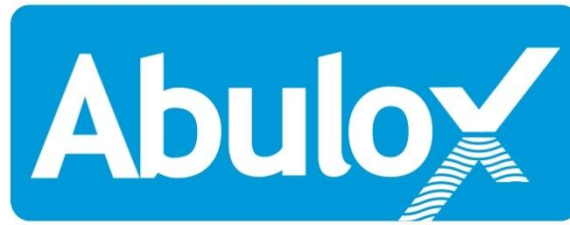




NHS Healthcare Case Study

- Building only 4 years old
- In 2008 -site not fully occupied
- Several hundred outlets, with some low/no usage, and low turnover of water
- Legionella problems from day 1
- Flushing and high temperature pasteurisation did not eliminate the problem
- Cold – TVCs and Pseudomonas problems
- Hot – Legionella ($\sim 1/3$), TVC and Pseudomonas problems





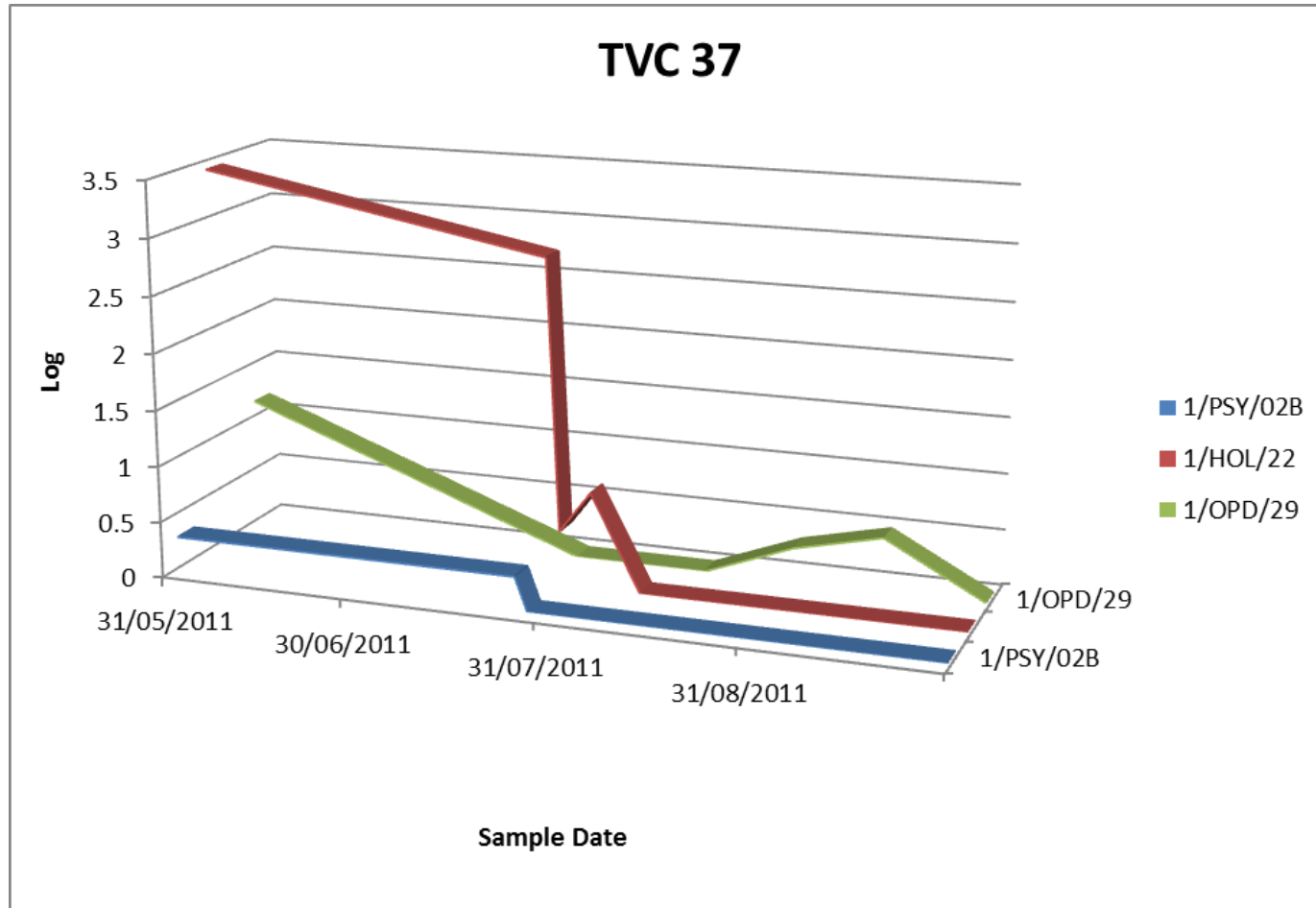
The Trial

- Dosing equipment installed
- Shock dosed for 2 days
- Down to maintenance dose (0.5-1.5ppm Cl₂)
- Technical team regularly visited for 3 months – chemical monitoring and samples carried out on 4 CW and 6 HW points
- Quarterly positive outlets added to sampling (total=18)



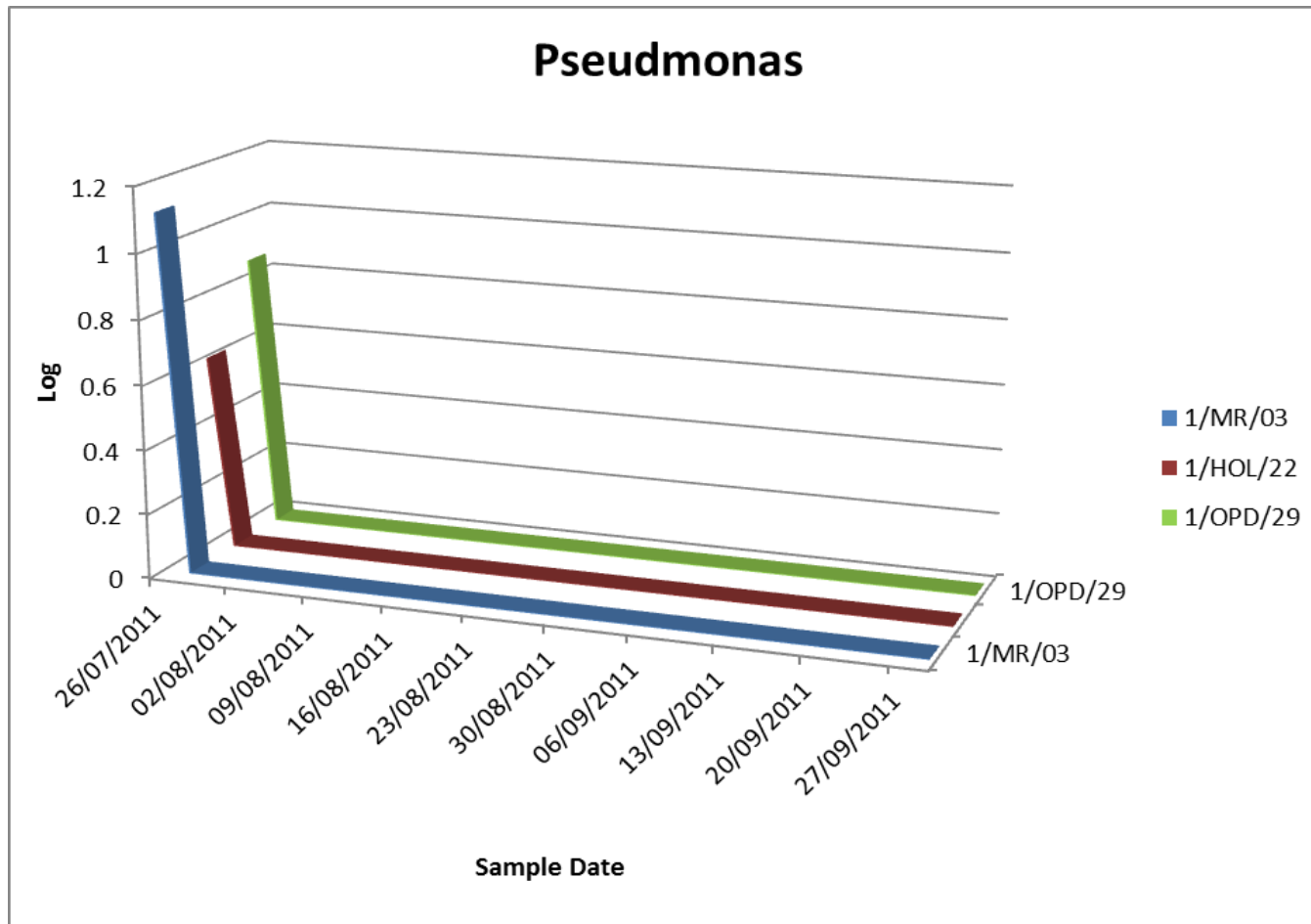
The Results

Cold



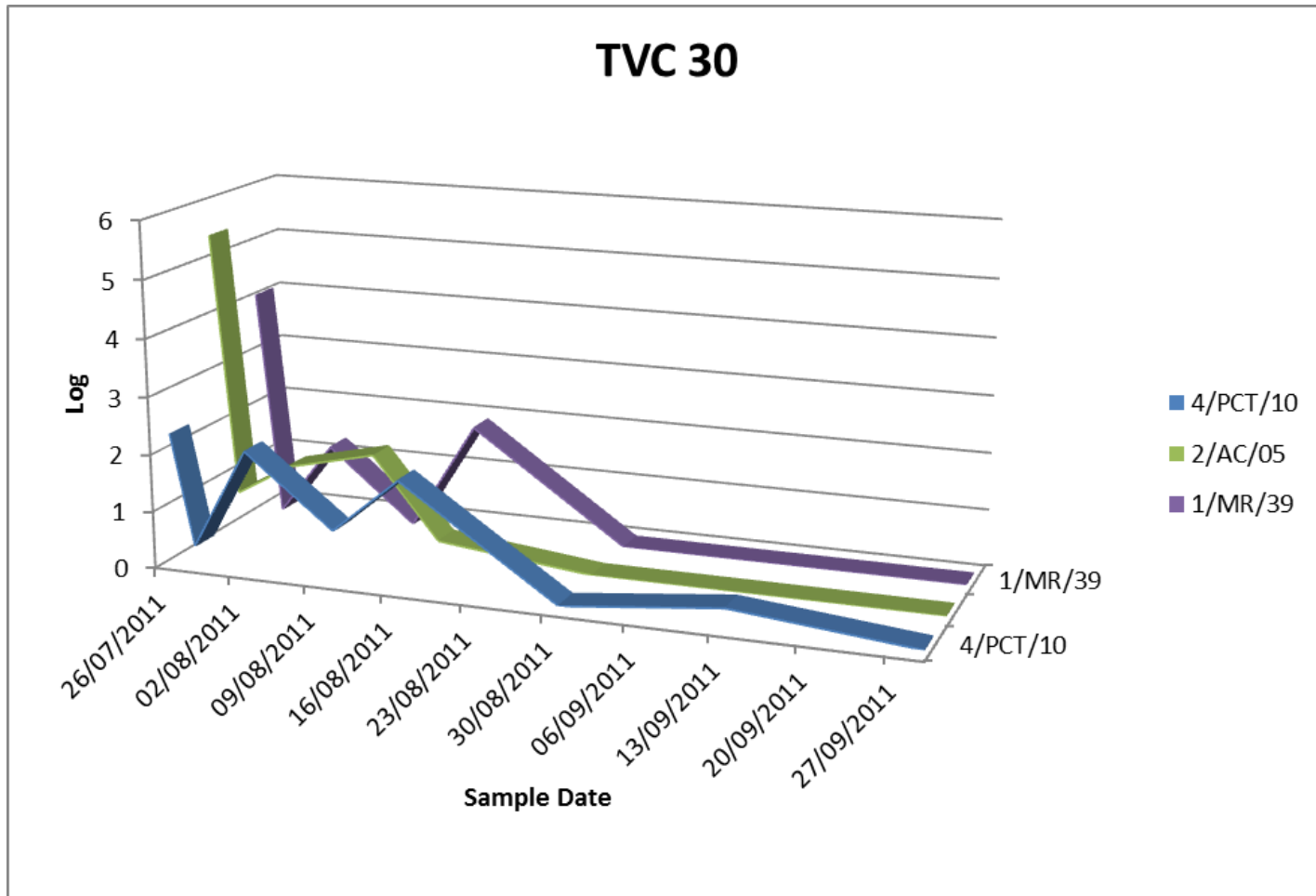
The Results

Cold



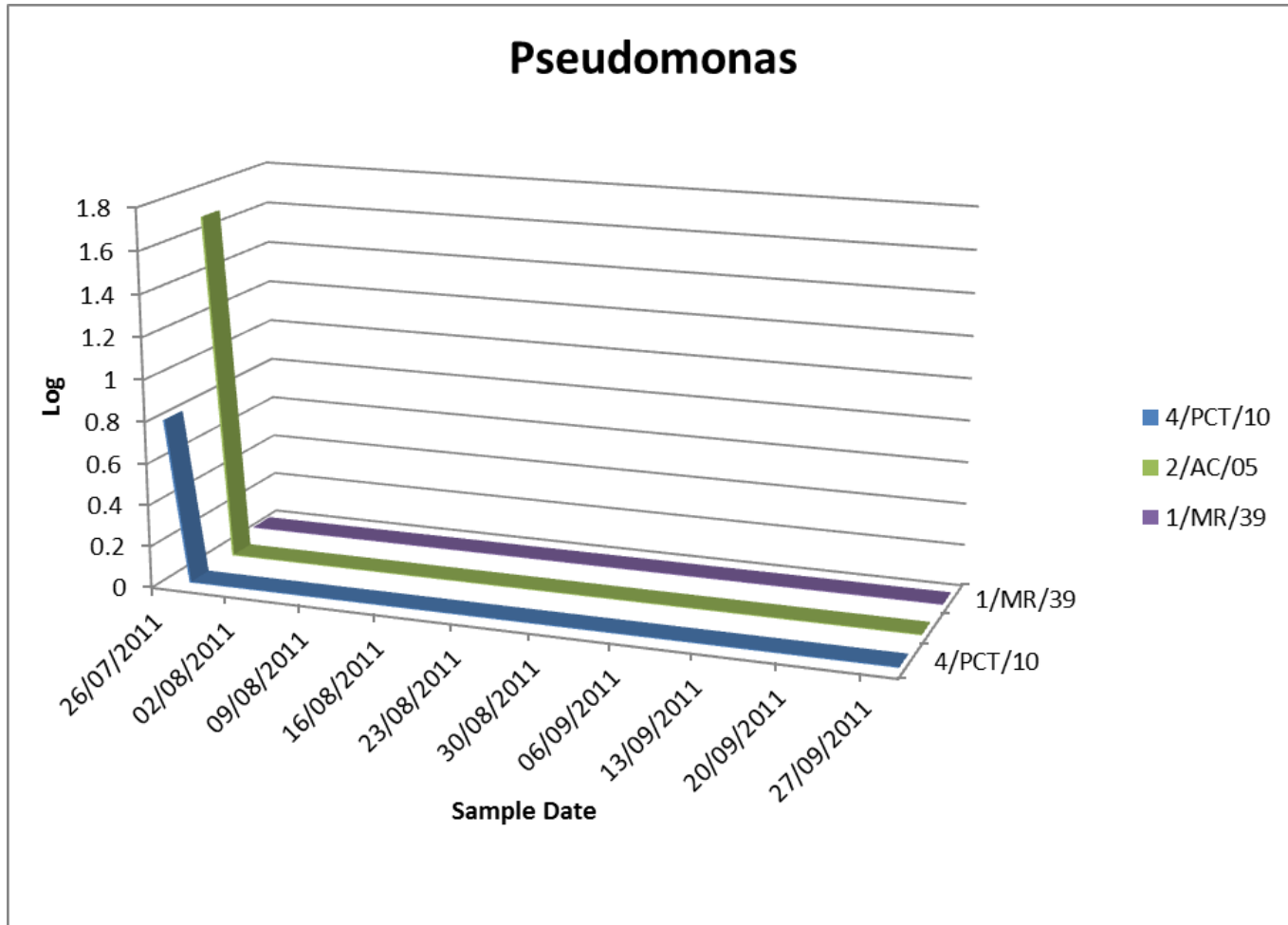
The Results

Hot



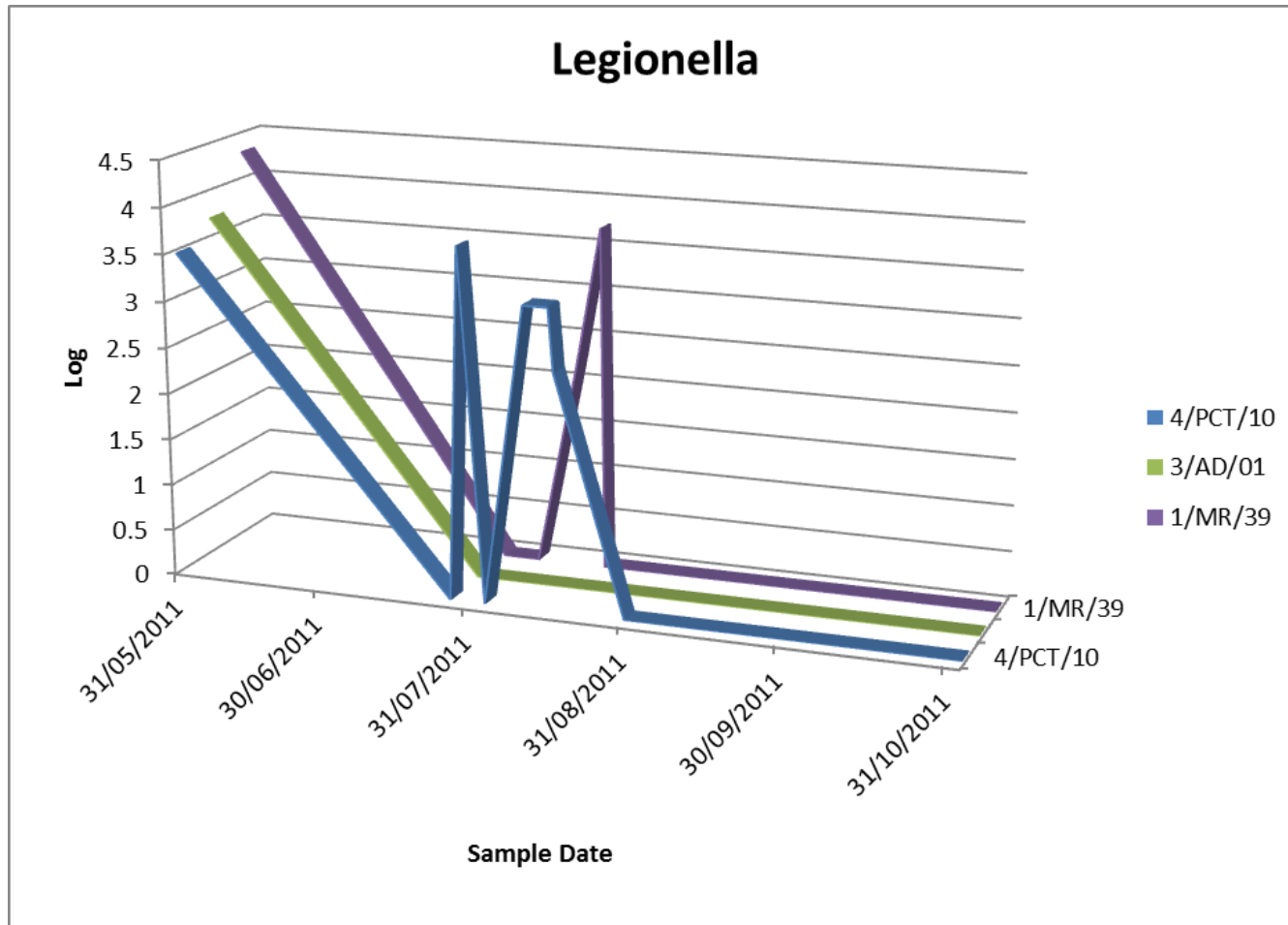
The Results

Hot



The Results

Hot





Outcome

- All Legionella eliminated from trial points
- 1 rogue outlet picked up on additional sampling– GP49
- Requires more than chemical solution -working with site to find an engineering/scheduling solution
- All Pseudomonas and TVCs reduced to zero
- Abulox has brought the micro problems under control and has been adopted

