SDMS & MICRO ELN

NEXT LEVEL INNOVATIVE LABORATORY DATA MANAGEMENT GRAVIMETRIC ANALYSES MADE EASY



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CCWRD

Data Entry Automation in Wet Chemistry Analyses

- ✓ Import data directly from instrumentation
- ✓ Intelligent method criteria, calculations and control limits built in
- ✓ Centralized location of historical data
- ✓ Standard and reagent tracking
- ✓ Date and time stamps for every action available in audit summary
- ✓ Ability to build and modify data entry templates
- ✓ Raw data report generation
- ✓ No need to continue use of paper bench sheets

SDMS / MICRO ELN Features Overview

Overall Dashboard

Link Batch to LIMS

Result Submission to LIMS

Media Preparation

SDMS Result Entry

Backlog View

Batch Set up

Data Review Checklist

Organism Preparation

Raw Data Batch Review

Sample / Analytical Status

Analysis Readback Result
Approval

Media QC Review & Approval

Maintenance & Settings

Audit Trail

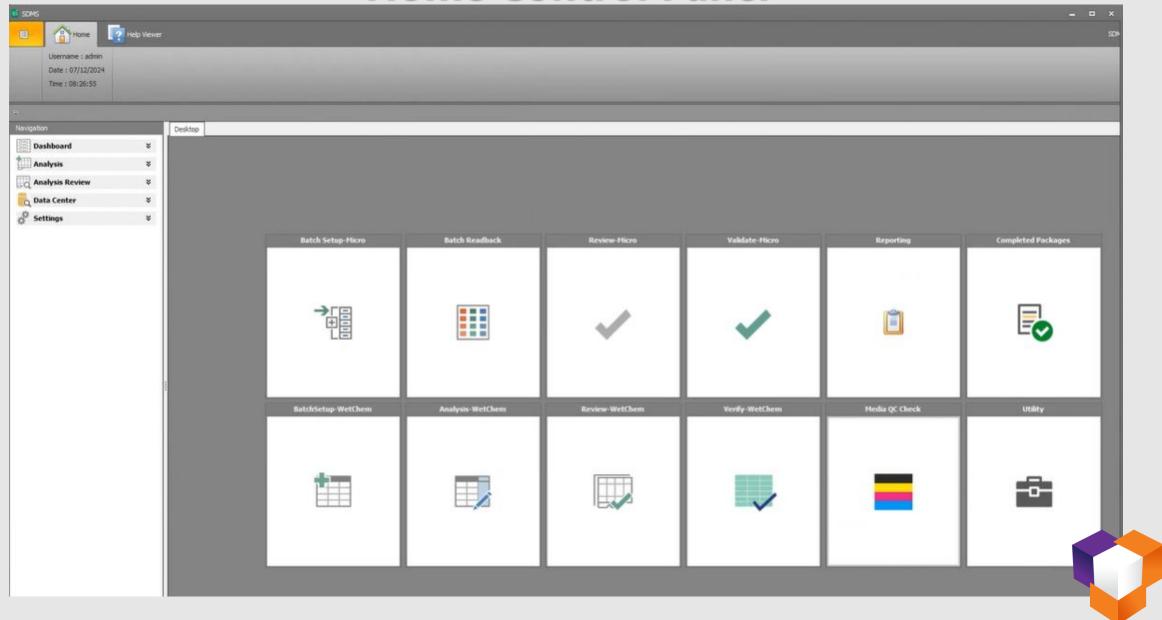
Result Review & Validation

Access to Historical Data

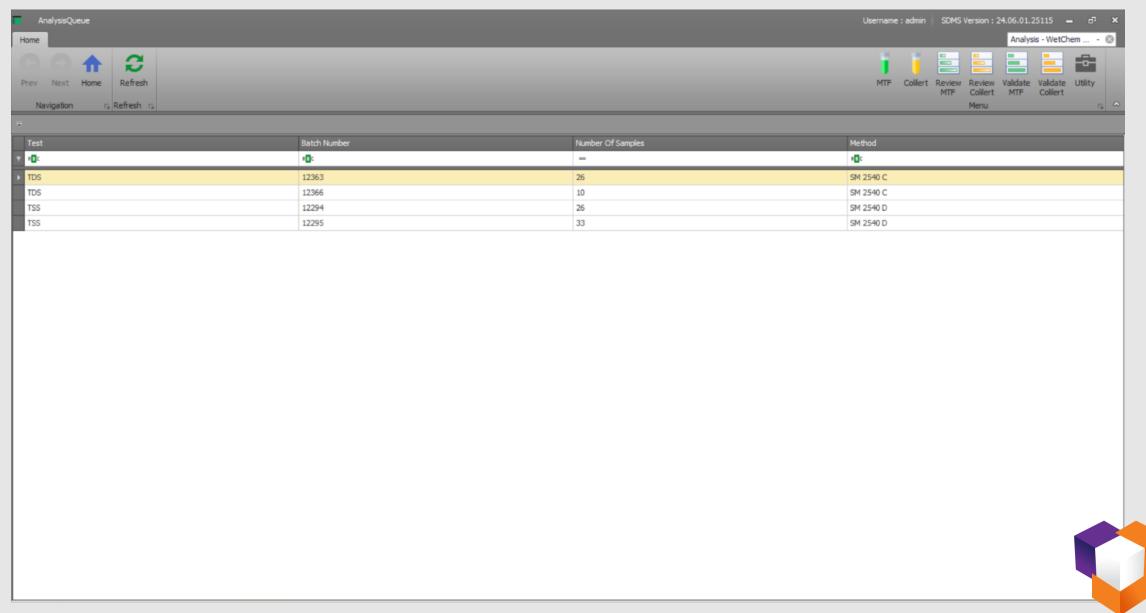
Media QC Tracking Security & User Permission



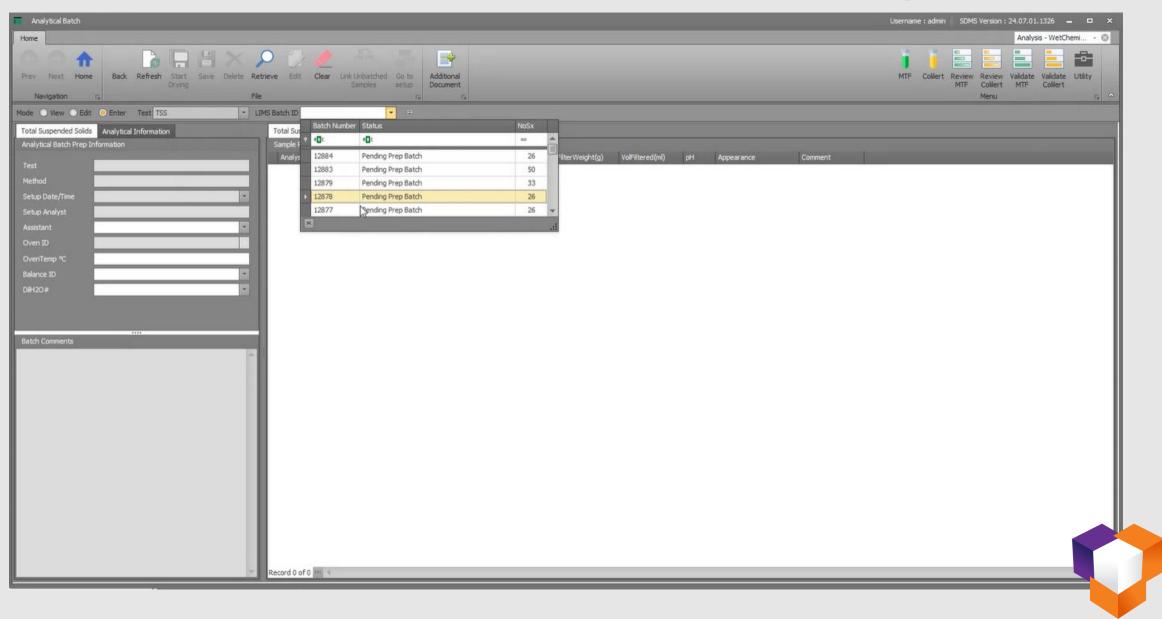
Home Control Panel



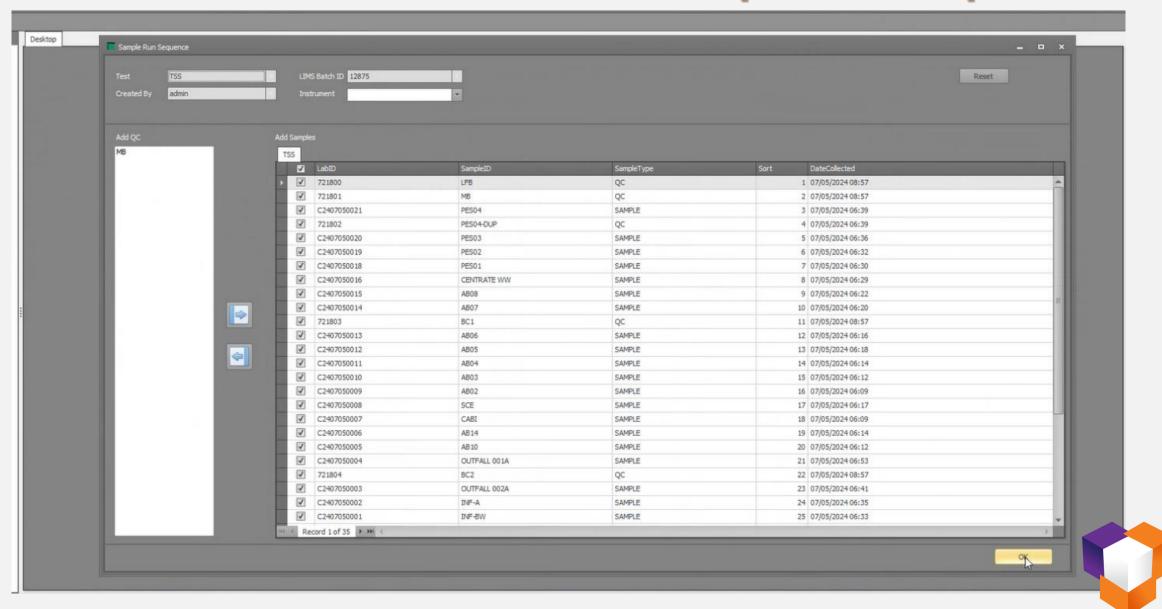
Wet Chem Workflow - Select Test & LIMS Batch, via backlog



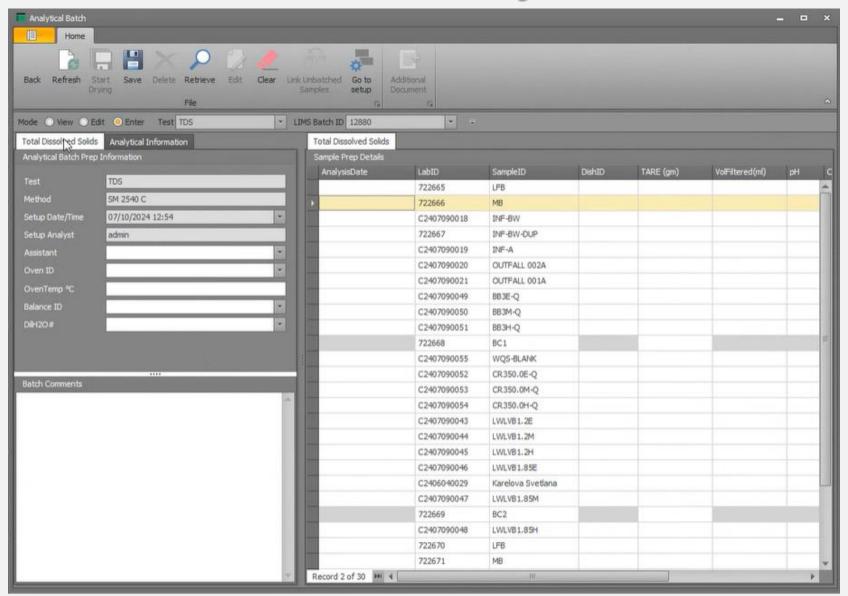
Wet Chem Workflow - Select Test & LIMS Batch, from module



Wet Chem Workflow – Select Sample Run Sequence



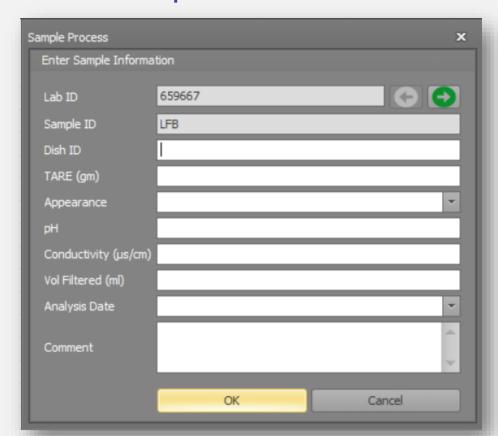
Wet Chem Workflow – Enter Analytical Batch Information





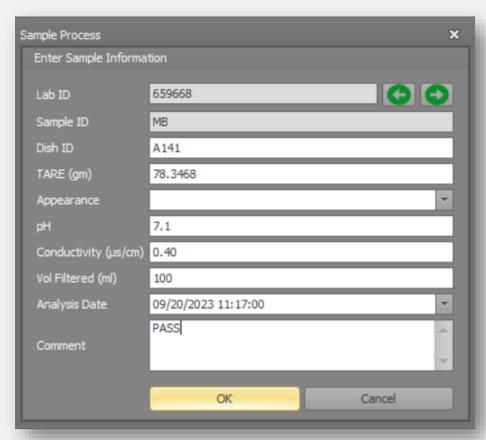
Wet Chem Workflow – Enter Sample Information

Sample 1 in Batch



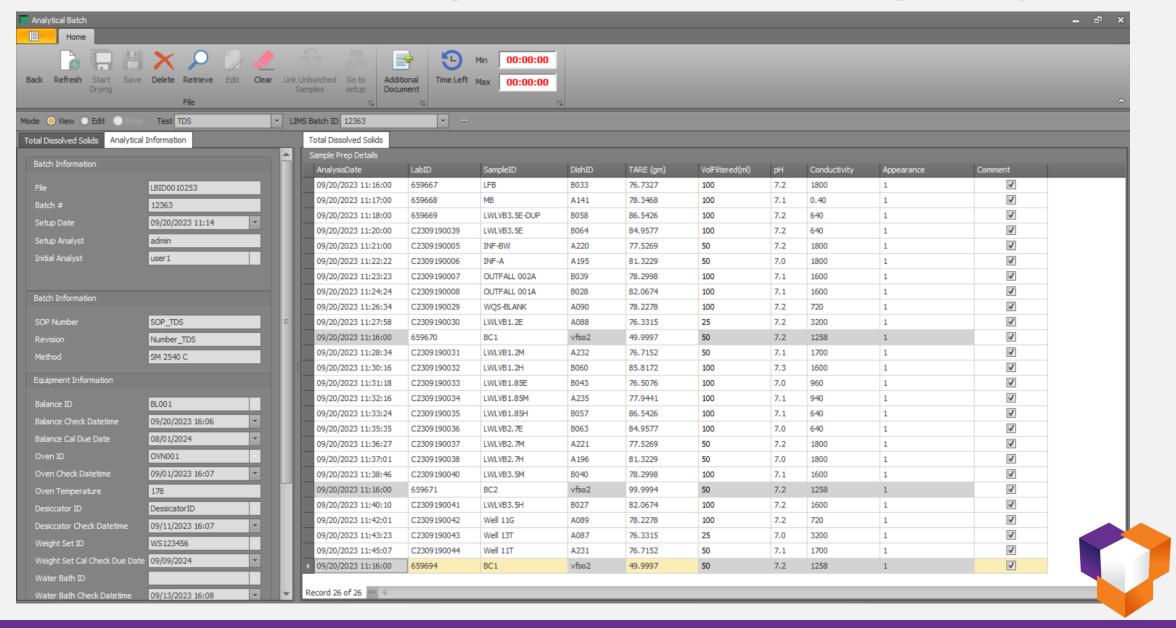
Use green arrows to move between samples.

Sample 2 in Batch

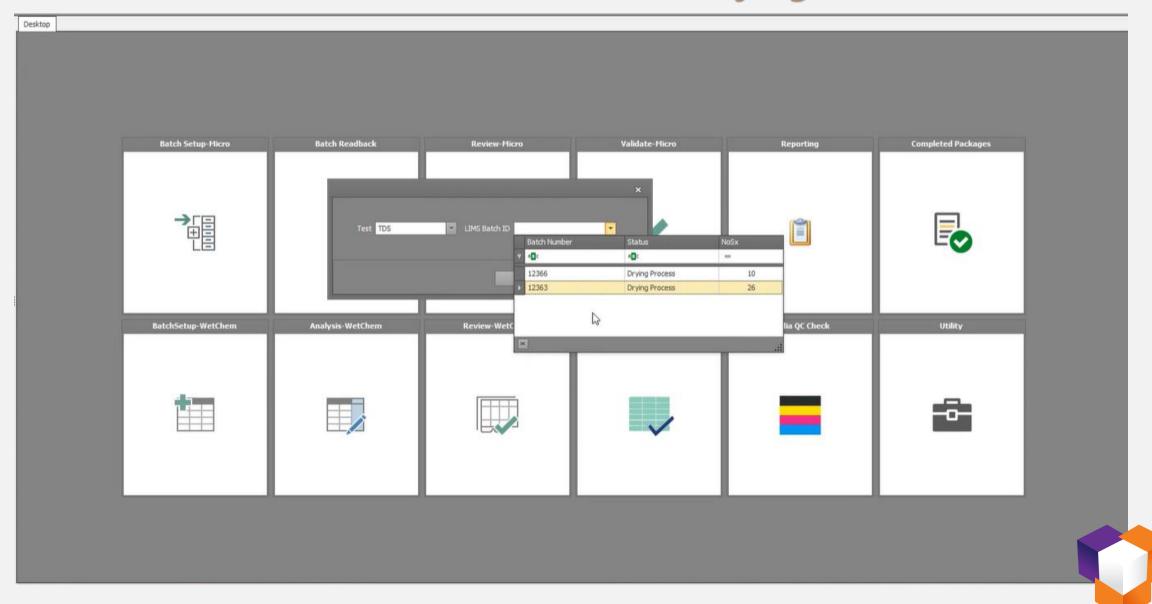


Click "OK" to view data in grid view.

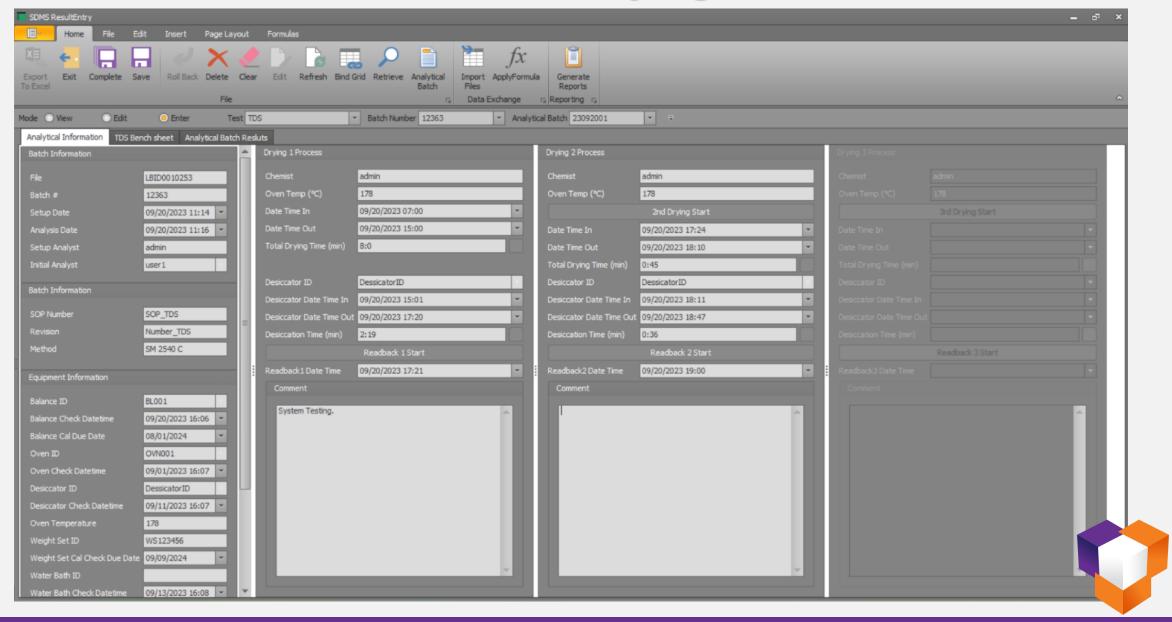
Wet Chem Workflow - Analytical Information & Sample Prep Details



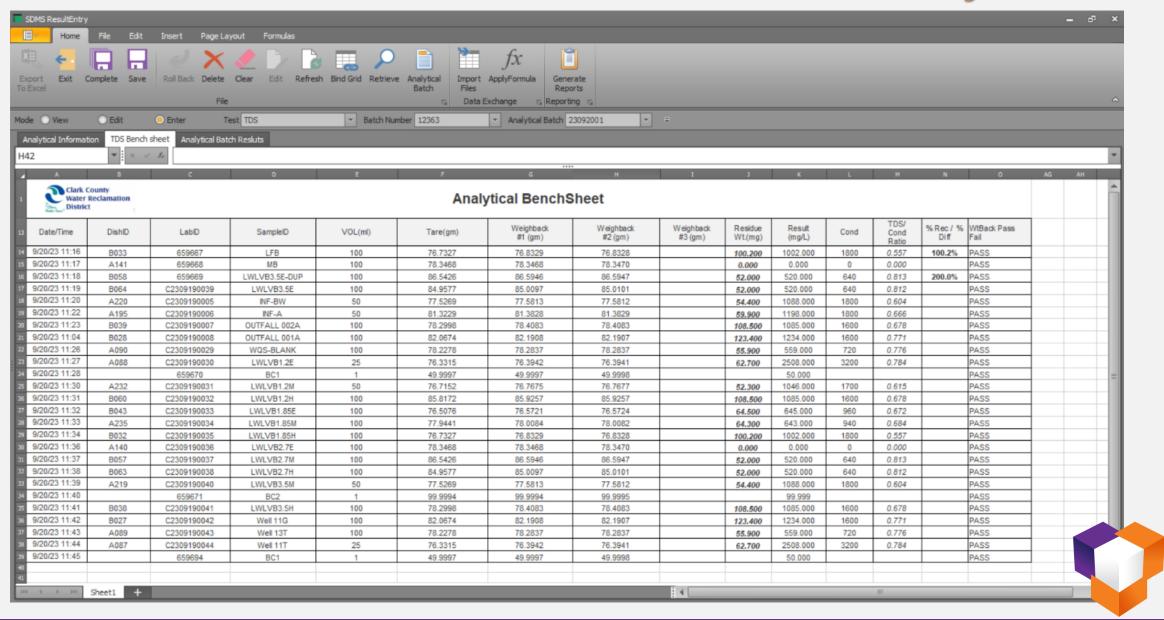
Wet Chem Workflow – Start Drying Process



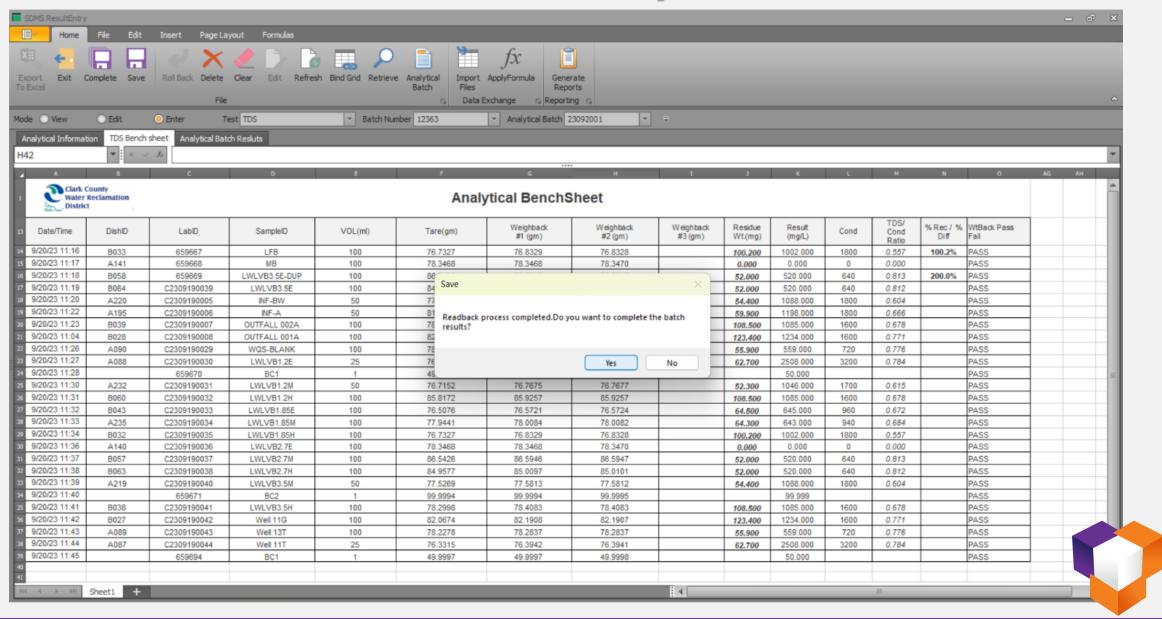
Wet Chem Workflow – Drying Process Details



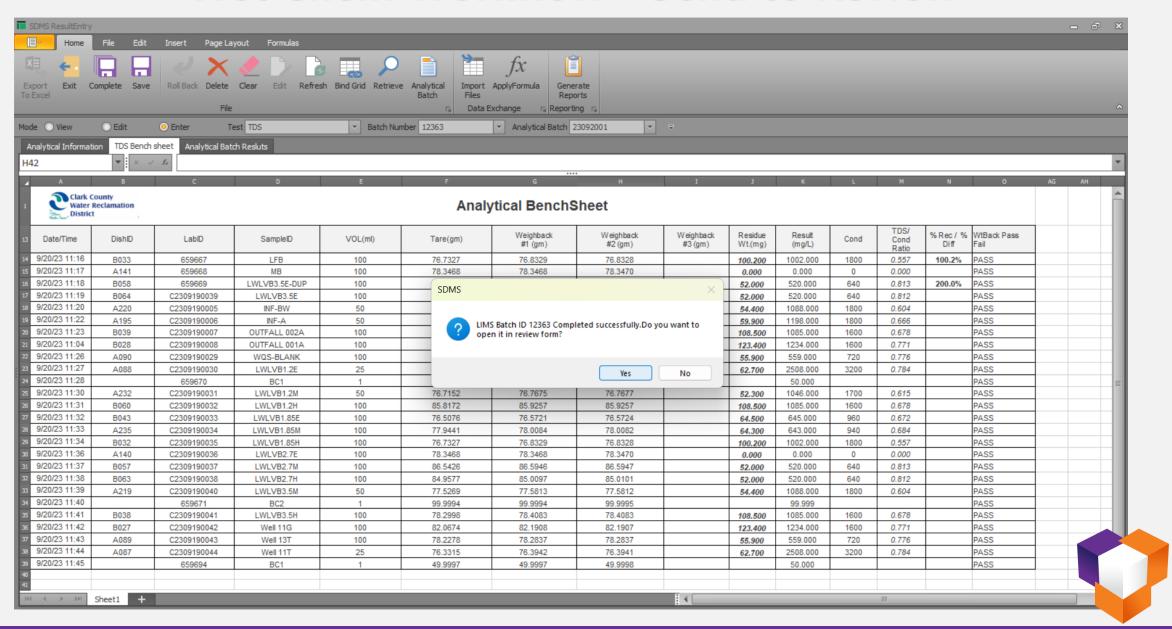
Wet Chem Workflow – SDMS Result Entry



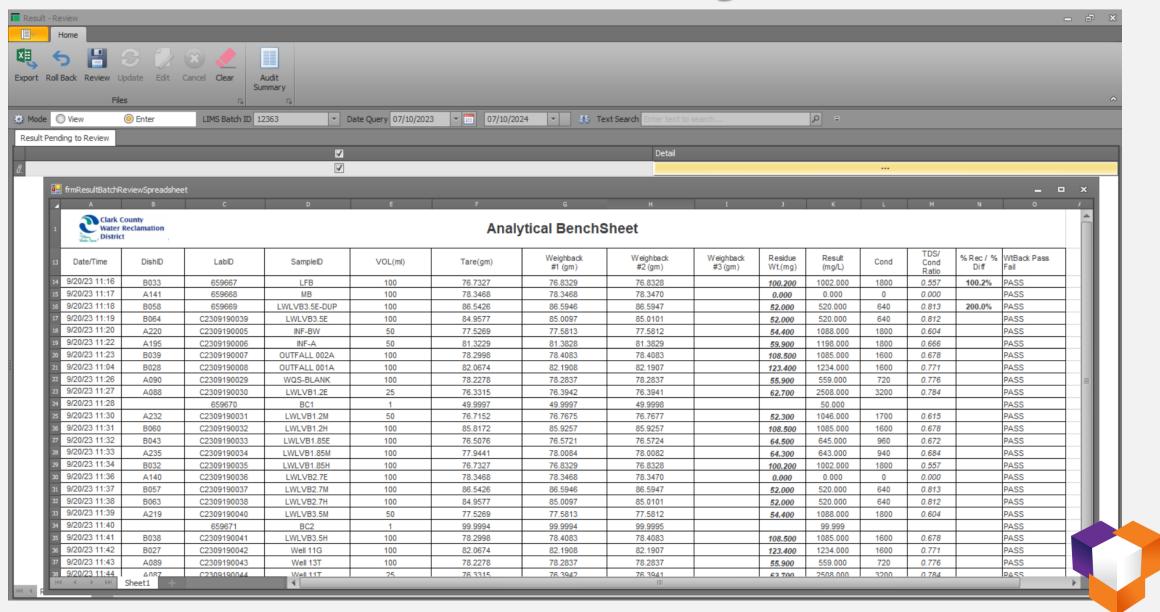
Wet Chem Workflow – Complete Batch Results



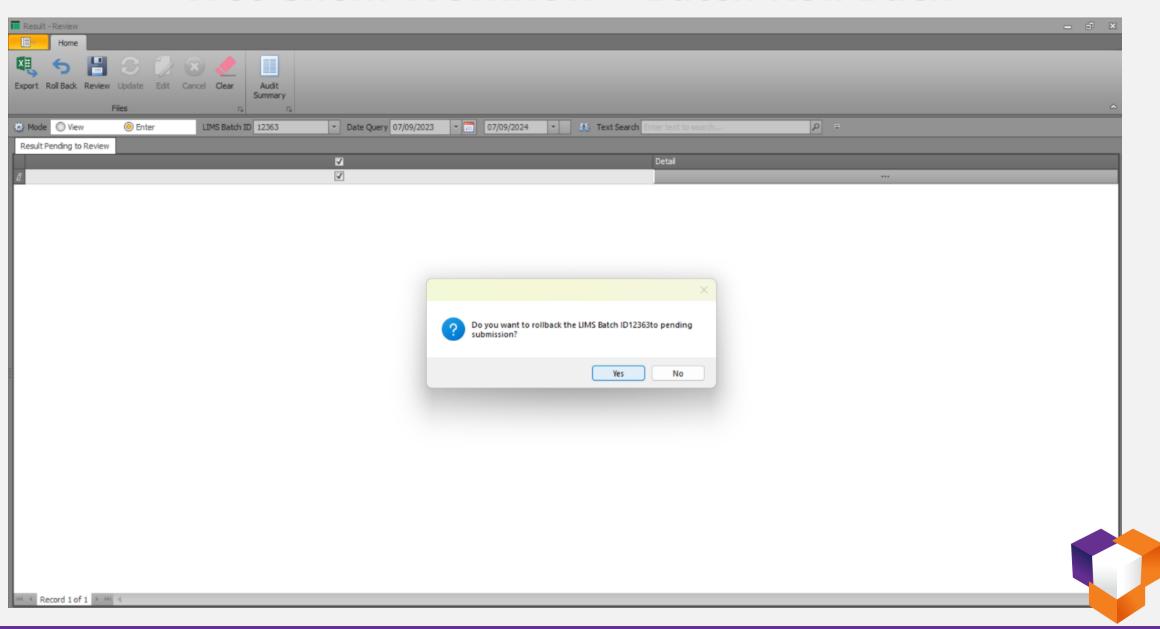
Wet Chem Workflow – Send to Review



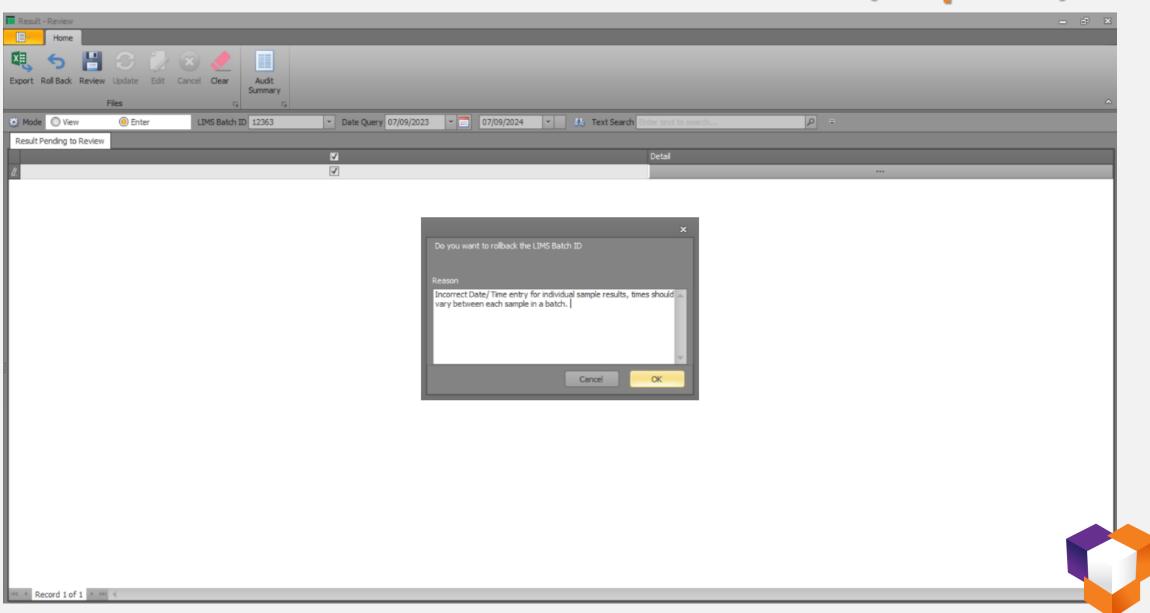
Wet Chem Workflow – Pending Batch Review



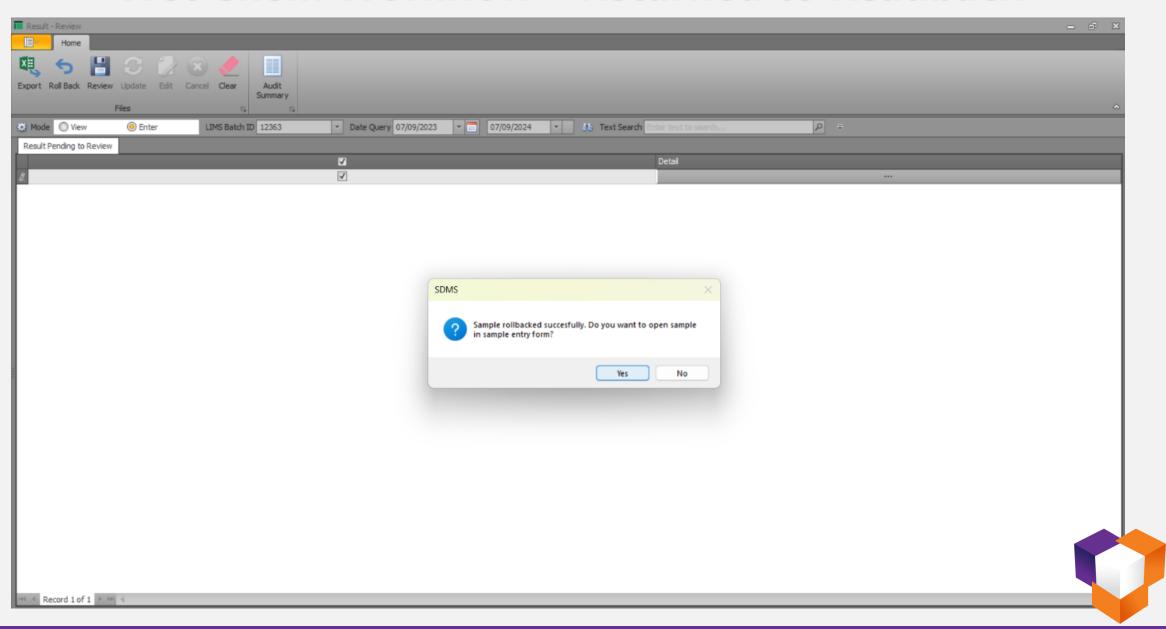
Wet Chem Workflow – Batch Roll Back



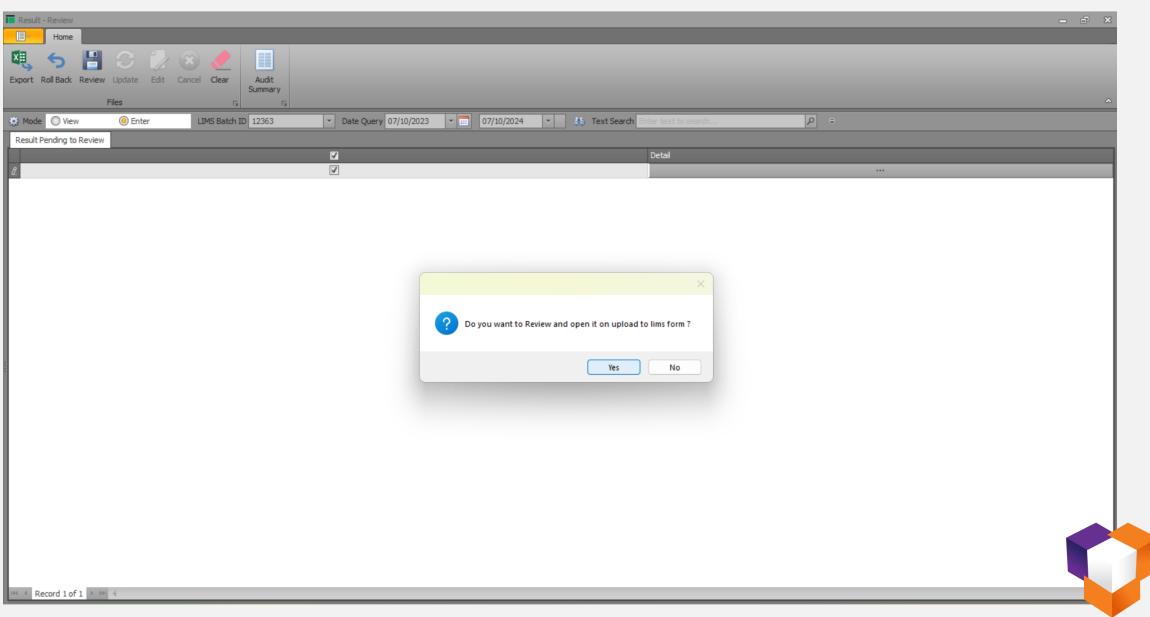
Wet Chem Workflow – Roll Back Reason (Required)



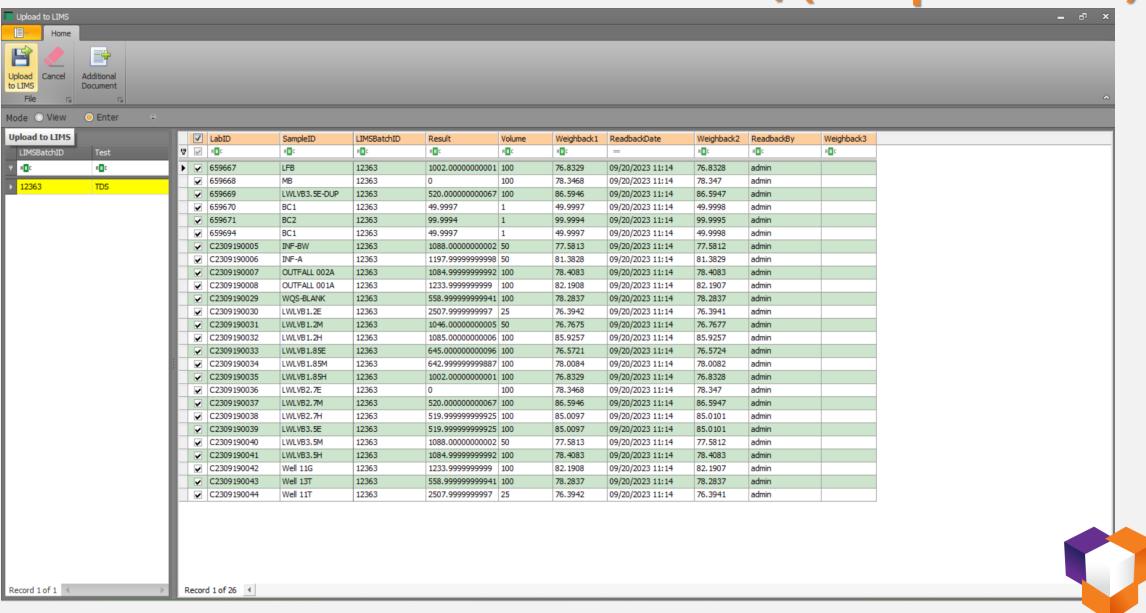
Wet Chem Workflow – Returned to Readback



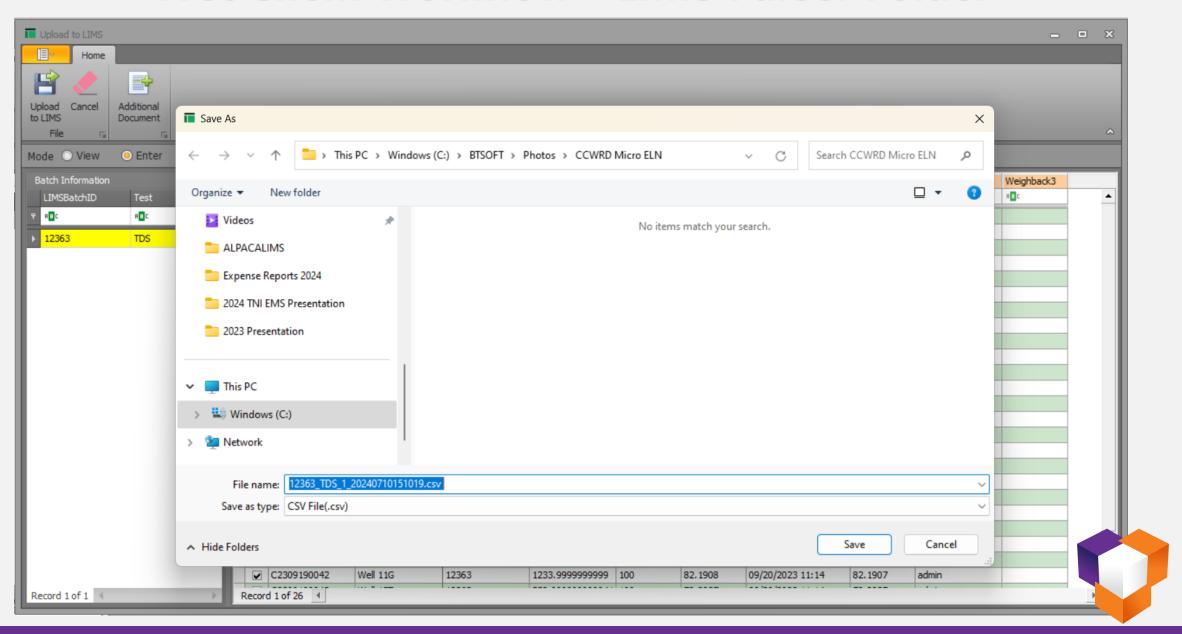
Wet Chem Workflow – Correction made, Review Batch



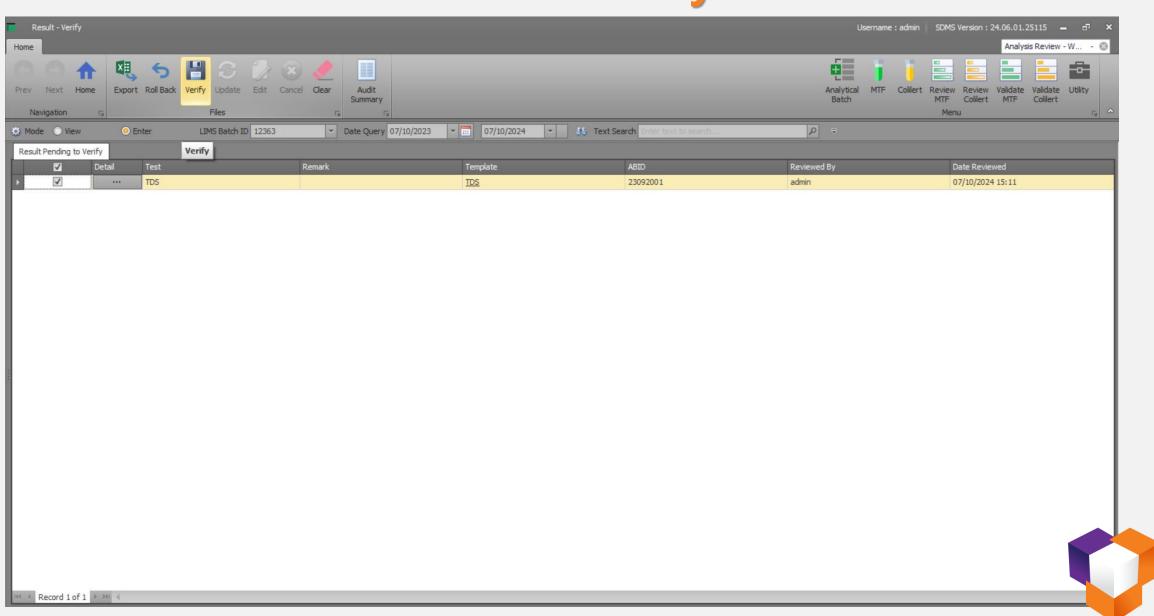
Wet Chem Workflow – File Sent to LIMS, (user preference)



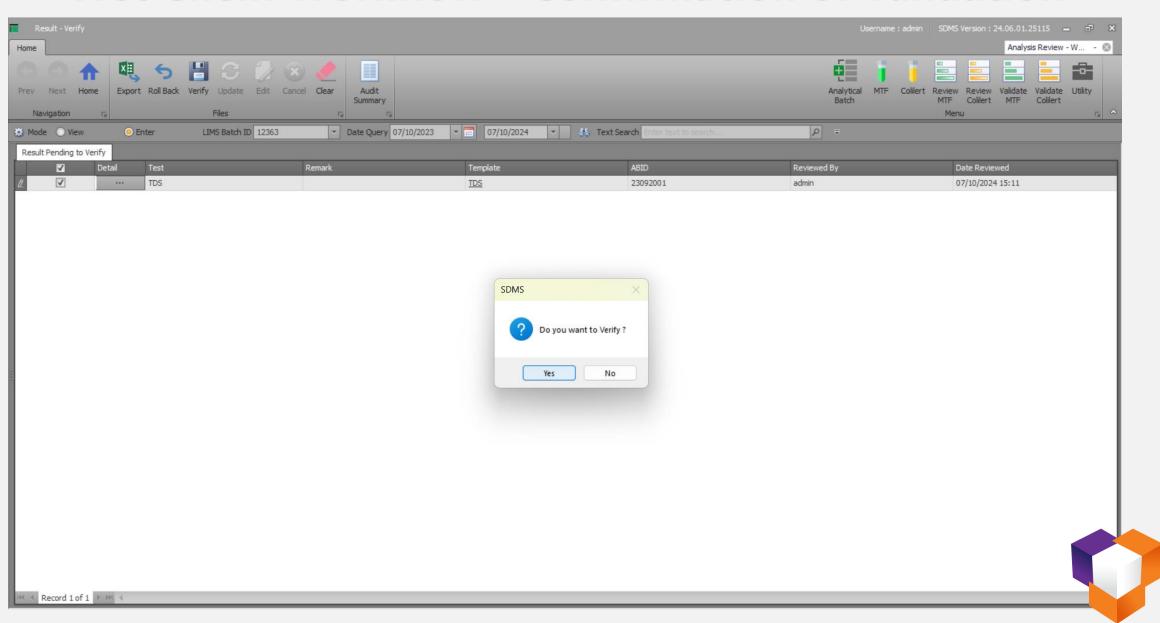
Wet Chem Workflow – LIMS Parser Folder



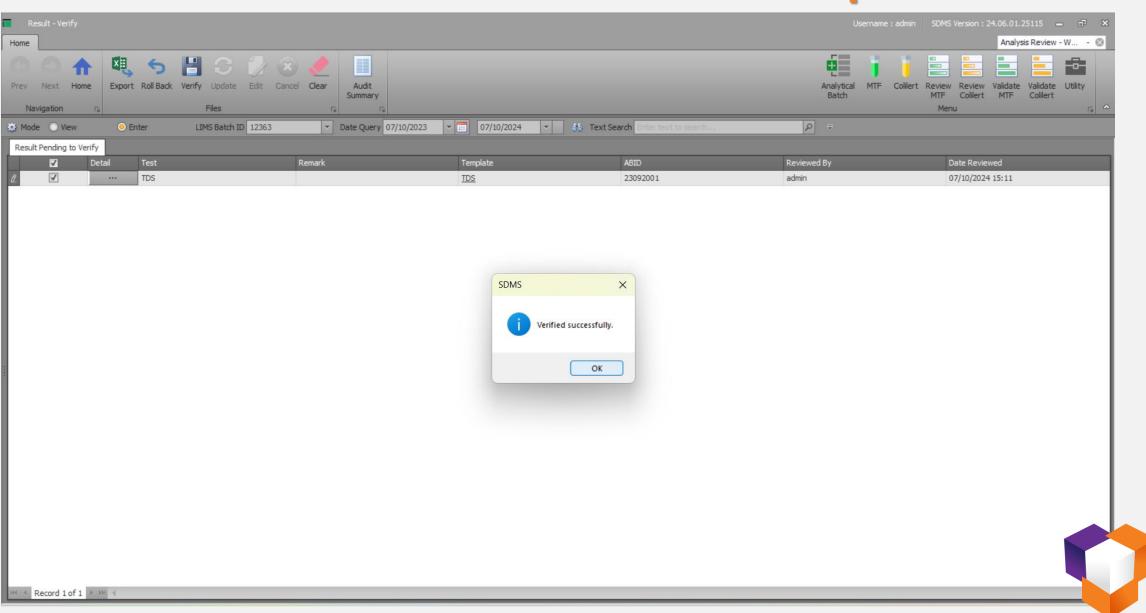
Wet Chem Workflow – Verify Batch Results



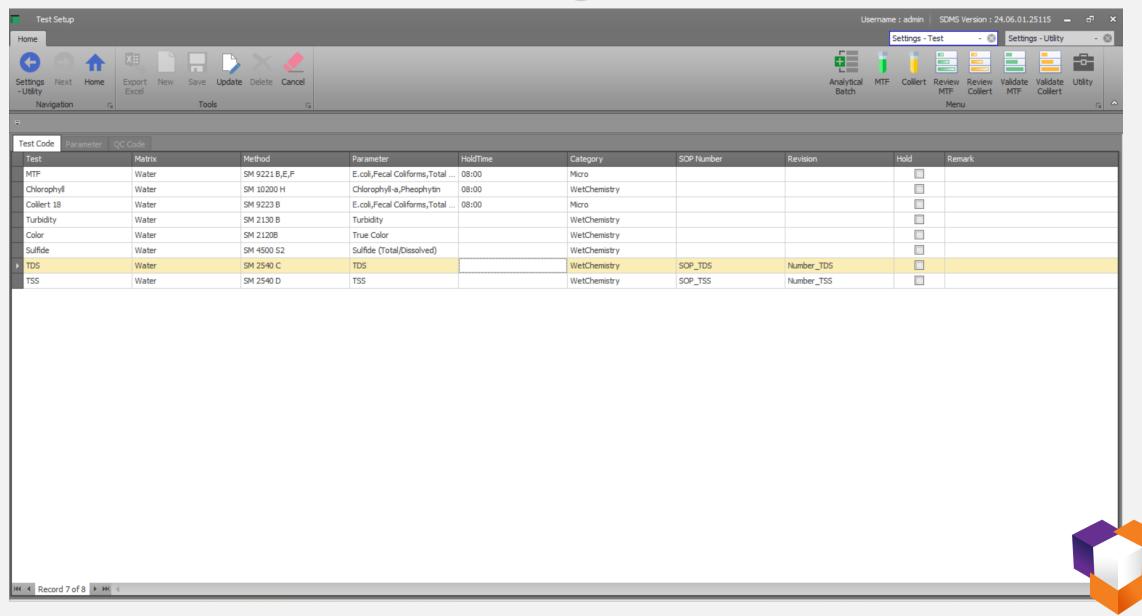
Wet Chem Workflow – Confirmation of Validation



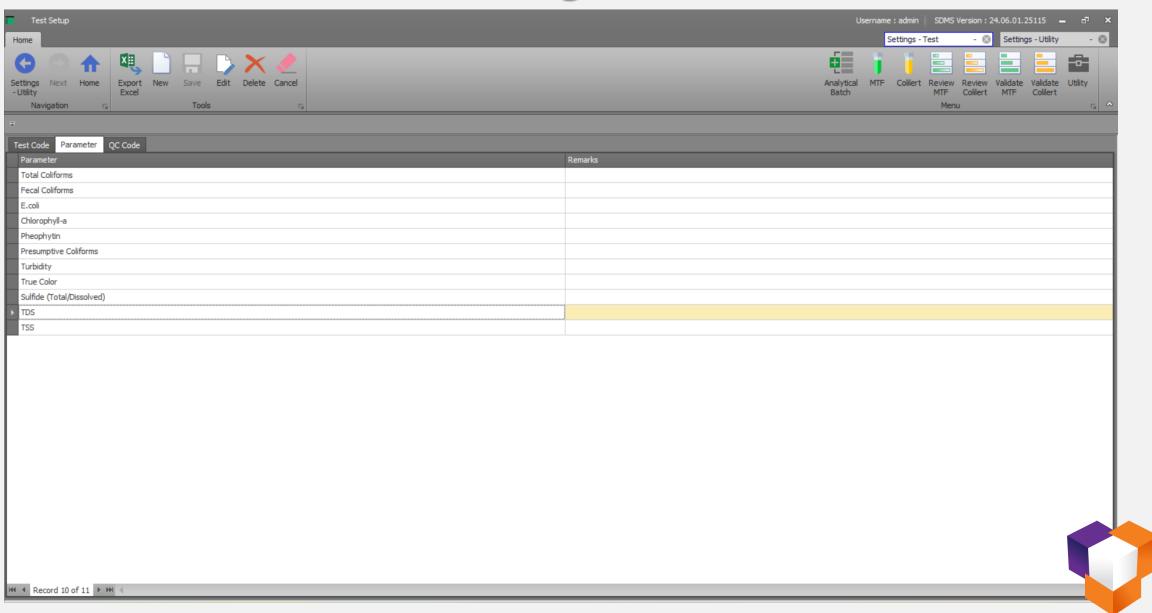
Wet Chem Workflow – Batch Complete



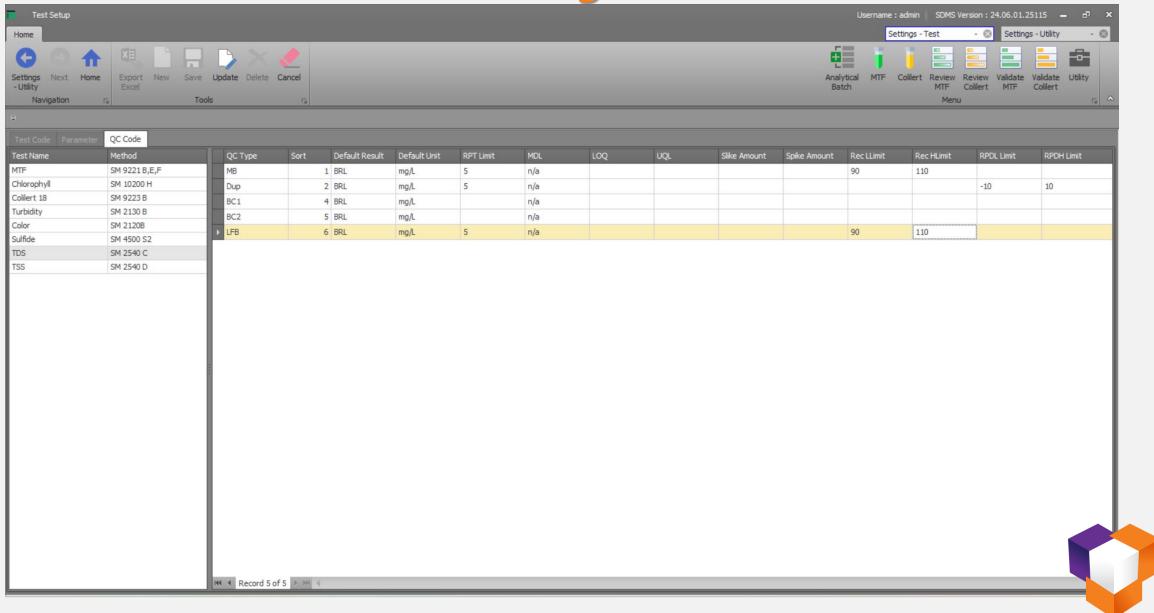
Wet Chem Test Configuration – Test Code



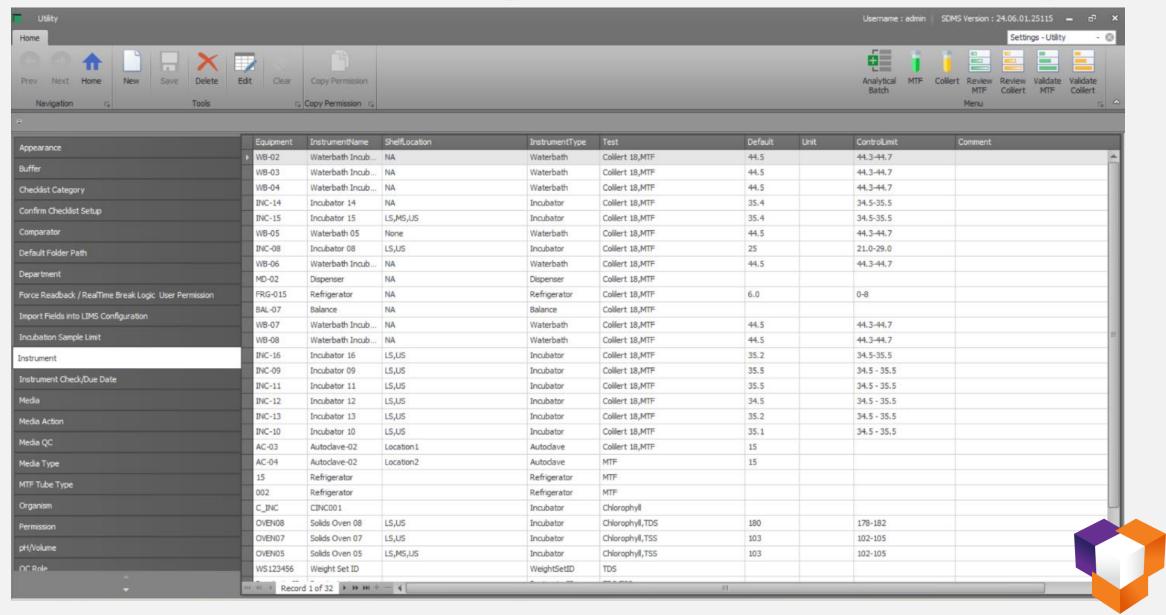
Wet Chem Test Configuration – Parameter



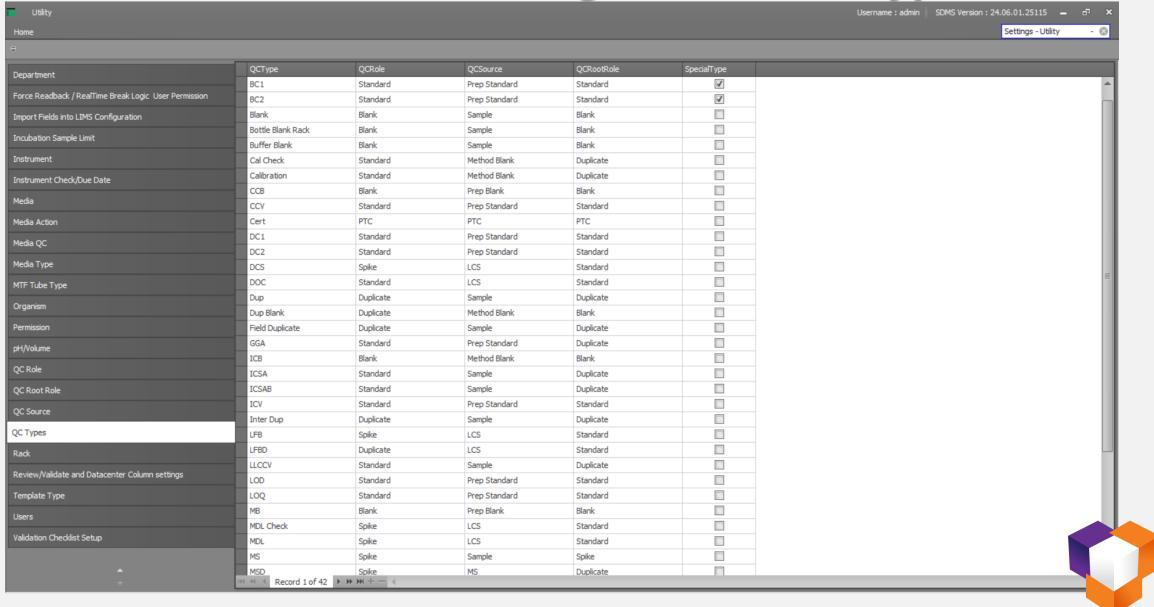
Wet Chem Test Configuration – QC Code



Wet Chem Test Configuration – Instrument Setup

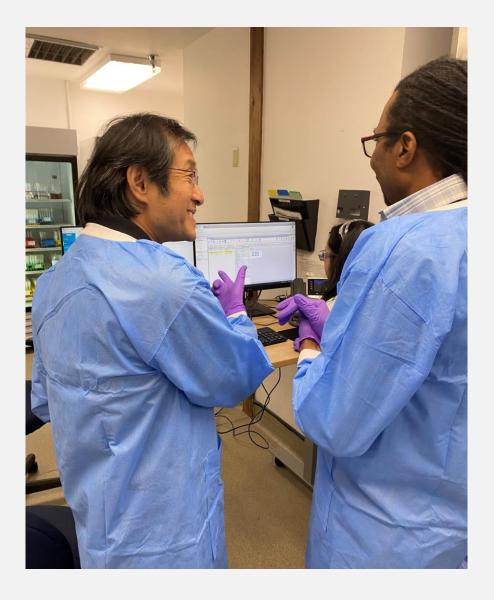


Wet Chem Test Configuration – QC Types



Summary

- ✓ Seamless integration with our current LIMS
- ✓ A great achievement with automation and data quality
- ✓ Visualized process makes it obvious and easy to work
- ✓ Improved productivity and data quality
- ✓ Interface access based on user roles and permissions
- ✓ Reached the goal of paperless





THANK YOU

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