LABWORKS LIMS v7.2

Release Notes

Last Updated: March 2023

Table of Contents

Introduction

This document contains the release notes for LABWORKS 7.2. The following sections describe the release and provide late-breaking or other information that supplements the main documentation.

This is a release that improves quality, reliability and performance and adds enhanced functionality for several of LABWORKS core modules.

Overview

LABWORKS 7.2 is the latest version of LABWORKS LIMS.

What's New 7.2

New Features:

Sr.No	Item	Description
1.	Improve Analysis / Location List Maintenance Icons	Analysis / Location List Maintenance Icons have been improved
2.	Analysis List Change Round off for Calculations to Result Rounding	Analysis List Maintenance application has been enhanced to change text to "Result Rounding" instead of "Round off for calculations"
3.	Audit Trail Configuration applicability to Desktop and eLIMS	Audit Trail Configuration has been enhanced to display tooltip to indicate whether the configuration is used in eLIMS / Desktop
4.	Bartender - Add Preservative to available fields	Bartender application has been enhanced to support Preservative as a label field
5.	COA template xlsm file support	COA application has been enhanced to support xlsm file
6.	CRGEN - save all reports based on SAVE_TO_DB =TRUE setting	CRGEN has been enhanced to save all reports to the DB when SAVE_TO_DB =TRUE
7.	Updating the reporting queue for final report	LABWORKS applications have been enhanced so that reporting applications update the reporting queue only for the final report
8.	Add Analyte Analyst to Export Fields	Crystal Report Setup application has been enhanced to add Analyte Analyst to Export Fields
9.	DataViewer Add LOGBATCH to List of Available Sample Information	LWDataViewer application has been enhanced to display LOGBATCH to List of Available Sample Information
10.	Persisted Group Objects Viewing from Desktop UI	LABWORKS application has been enhanced to display Log Batch Objects for viewing
11.	DMR Enhancements	LWCMDPExport application has been enhanced with the ability to specify a pick list for each CMDP field. This pick list will cause values in this field to be mapped to their counterpart in the pick list.
12.	eWorksheet Audit Trail Complete eWorksheet	eWorksheet application has been enhanced to perform Silent Audit Trail upon changing eWorksheet Status to COMPLETE
13.	Enhancement for eWorksheets to parse instrument file using NGII and paste into worksheet in PR6 format	eWorksheet application has been enhanced to support parsing of instrument file using NGII and automatically populating the data in PR6 format into the specified worksheet
14.	eWorksheet UI Filtering Enhancements	eWorksheet application has been enhanced with filtering/sorting capabilities
15.	Assigned Instrument in QC Batch add to associated eWorksheet	Results Entry application has been enhanced so that Instrument Code and Laboratory Name are added to Results table

16.	Allow admins to control via eWorksheet templates whether to add unordered analyses during upload	eWorksheet application has been enhanced to allow admins to control via eWorksheet templates whether to add unordered analyses during upload
17.	eWorksheet Saving Sample and Analysis Field Configuration with Template	eWorksheet Template and eWorksheet Builder have been enhanced so that user can select as well as update the fields displayed in "Sample Selection Dialog" in eWorksheet on per eWorksheet Template/ per eWorksheet basis
18.	eWorksheet Template NORESULTCOND option for UPLOAD	eWorksheet Template has been enhanced to support NORESULTCOND option for UPLOAD
19.	eWorksheet Pin Unpin Header Area	eWorksheet application has been enhanced to support Pin/Unpin feature for Header Area
20.	FLATDATA_QA & FLATDATA_QABATCH - include the result table columns VIOLTYPE and VIOLVALUE while picking up the RESULT data	FLATDATA_QA & FLATDATA_QABATCH Reports have been enhanced to include the result table columns VIOLTYPE and VIOLVALUE while picking up the RESULT data
21.	Instrument Maintenance - Sample must be optional	LWTrainingAndMaintenance Application has been enhanced so that Sample ID field is optional
22.	Inventory Management - Allow free text for Purchase Req #	Inventory Management application has been enhanced to allow user to enter Purchase Requistion Number as free text
23.	Inventory Management - Make Vendor selection optional during Receive Inventory	Inventory Management application has been enhanced to make Vendor selection optional during Receive Inventory
24.	Inventory Management - QC sample login tests definition	Inventory Management application has been enhanced to define Default Acodes in Inventory Library which will be logged in with the QC Validation Sample
25.	Inventory Management - Attachments	Inventory Management application has been enhanced to support the Attachments
26.	Inventory Managment - add user initals to operation history	Inventory Management application has been enhanced to add User Initials to Operation History
27.	Inventory Management - change nomenclature for consumed items	Inventory Management application has been enhanced to change nomenclature for "Include Consumed Items" to "Included Closed Items"
28.	Inventory Managment - Make Manufacturer required	Inventory Management application has been enhanced to make Manufacturer as mandatory field during Receive Inventory
29.	Inventory Management - Mixture creation search	Inventory Management application supports enhanced search function on the Inventory Item Selection when creating a mixture
30.	Inventory Management. Improvement - Toolbar Shortcut	Inventory Management application has been enhanced to support toolbar shortcuts for Manage Inventory and Configure Inventory Library
31.	Inventory Management - Item selection window resize	Inventory Management application has been enhanced so that when defining mixture component the Inventory Item Selection resizes to fit the window
32.	Inventory Management - Equipment tab for library	Inventory Management application - Inventory Library and Manage Inventory modules have been enhanced so that multiple Instrument Types (having same or different Instrument Code) can be associated with the same Item Code.
33.	Inventory Management - Remove Vendor / Item Association Requirement	Inventory Management application has been enhanced so that it is not mandatory to have Vendor/Item association while receiving the Inventory Item
34.	Inventory Management - Time added to history date	Inventory Management application has been enhanced to display Transaction Date as well as Time on Item Code - Operation History screen
35.	Inventory Management - Improve cloning inventory item UX	Inventory Management application has been enhanced to clone an existing inventory item (i.e. restock) directly from Consume Inventory Item Screen
36.	Inventory Management - Improve missing mixture inventory UX	Inventory Management has been enhanced so that insufficient quantity warning message is displayed during Receive Inventory or Restock operations

37.	Inventory Management - Login QC validation sample	LWInventory Management has been enhanced with the ability to directly login a new sample as Inventory QC Validation Sample
38.	Inventory Management - Mixture update	Inventory Management application has been enhanced to distinguish between Mixture Components and Equipments used within a mixture
39.	Inventory Management - Enhance inventory management label	Inventory Management application has been enhanced to display user readable label "Keep in Non-Flammable Secure Location"
40.	Return Project Account Number to LABWORKS 7.1 and beyond	LABWORKS has been enhanced to support earlier Project Accound Code Text field in addition to the newer Project drop down
41.	Support all remaining PR6 fields in NGII	LABWORKS applications has been enhanced to support all remaining PR6 fields in NGII
42.	Support URL attachments on Desktop Side	LABWORKS applications have been enhanced to support URL attachments
43.	Analysis List Maintenance & LocList - Specification page support copy/paste	Analysis List Maintenance & Loc List Maintenance applications have been enhanced so that Specification page copy/paste functionality is supported
44.	Location List Maintenance cause CPU Spike	Location List Maintenance application has been enhanced so that it does not cause CPU Spike
45.	QA/QC Batch Management - Add QC Batch Comments	QAQC Batch Builder application has been enhanced to support Batch Comments
46.	Collection Group Management - Add ability to print labels and reports on demand	LWSampleLogin has been enhanced to add the ability to print the labels and custody tracking report upon loading a Collection Group
47.	LWSampleLogin - Load Prelogin group - add Append option	LWSampleLogin application has been enhanced to add Append option while loading Prelogin group
48.	LWSampleLogin analysis form enhancements - Save Search option per user	LWSampleLogin application - Analysis form has been enhanced to save Search Option per user
49.	LogBatchID Management Enhancement	In LWSample Login application, LogBatchID Management has been enhanced to support Sample ID based search
50.	LWSampleLogin analysis form enhancements	LWSampleLogin - Analysis form has been enhanced to support starts with as well as contains search
51.	PAM Filtering applied at ther Multi-component test level - Add AnalysisLevel PAM	LABWORKS application has been enhanced to support PAM Filtering applied at the Multi-component test level
52.	LWSampleLogin - Improve receipt UX to support container tracking	LWSampleLogin application has been enhanced to support scanning and receipt of containers during Sample Receipt using Manage Collection Groups
53.	Support Analysis User Fields in LWSampleLogin	LWSampleLogin has been enhanced to support Analysis User Fields
54.	PreLoginGroup XML to Data for Reporting Purpose	LWSampleLogin has been enhanced to support generation of report based on PreLoginGroup XML
55.	LWSampleLogin LocCode Column Width	LWSampleLogin has been enhanced so that LocCode Column width is displayed appropriately
56.	Sample Login - Add the capability for the Picklist for a field to be a combo/edit field	LW Sample Login application has been enhanced to add the capability for the Picklist for a field to be a combo/edit field
57.	Add Login Batch Format YYXXXXX	LWSampleLogin application has been enhanced to support Login Batch Format YYXXXXX
58.	LWViolationReorder trigger code should log stdout, stderr of failing triggers	LWViolationReorder will now send the standard out of failing triggers to the error log
59.	Re-sampling Events Automation - Auto Repeat Sampling (rTCR)	Auto Repeat Sampler application has been developed to login new samples upon specification violation for samples
60.	Violation Reorder - Let users specify a list of location codes the rule applies to	Violation Reorder application has been enhanced to allow users to specify a list of location codes for which the rule is applicable
61.	MDL Study Details Form - Export Data from Details Form	MDL Study application has been enhanced to support Data Export from Details Form
62.	Onboard new 7.x Database Migration Tool	New 7.x Database Migration Tool has been developed

63.	Upgrade the Enterprise 6.10 database to 7.1. Please update all eLIMS tables to latest version.	NGMigration tool has been enhanced to support forced status update for Sample Range as an alternative to the standard migration process
64.	Process.Start Performance Improvement	LABWORKS application has enhanced application launch performance
65.	Enhance NGII by new settings	NGII Adapter Configuration Utility has been enhanced to support new configuration settings like No calculation, No rounding etc.
66.	Enhance Object Publisher. Provide the ability to specify report formats	Object Publisher application has been enhanced to provide the ability to specify report format
67.	Personnel management - Improve multi-site usage	Personnel Management application has been enhanced to support filtering based on User Site
68.	Personnel Training Enhancements	Personnel Training application has been enhanced to support SOP/ SOP Review Date associated with a Method and Capability Records
69.	Sample Status - setting via api desire to bypass signature	LABWORKS has been enhanced so that eSignature prompt is not displayed when report is printed from Zip Report, CRGEN
70.	PostResults6 Imports - allow append of !COMMENT result in NTRLTS table	PostResults6 application has been enhanced to append or overwrite the earlier narrative analysis result based on OVERWRITENARRATIVERESULT parameter
71.	PostResults6 & eWorksheet - support for user defined field uploading	PostResults6 and eWorksheet application has been enhanced to support uploading of User Defined fields (Sample and Analysis).
72.	PR6 Analysis Start End Date Time Uploads	Post Results 6 has been enhanced so that if input file contains all the analysis and result date time fields then the values will be stored as it is.
73.	RLTNUM / RLTUNIT Populating for Replicate Records in RESULT Table	LABWORKS has been enhanced so that RLTNUM / RLTUNIT from Replicate Records are populated in RESULT Table
74.	Unify sample request on eLIMS and Desktop	Process Scheduler application has been enhanced to use RETAIN_WINDOW setting from SYSMGR
75.	Process Scheduler Send to PDA add Request Date	Process Scheduler application - Send to PDA export functionality has been enhanced to support Request Date and Time
76.	Add separate privilege for PS Edit menu item in Process Scheduler	Process Scheduler application has been enhanced to support "PSPRELABMODIFY" privilege for PS Edit menu instead of "SAMPLEMODIFY" privilege
77.	Progress Report - Change Result Font Color	Progress Report has been enhanced to display "Result" field value in a readable font color
78.	Interpolate database connection string into PS_SERVICE_PROGRAM_PARAMETERS	PSService now interpolates the database connection string into %DB_CONN_STR% in PS_SERVICE_PROGRAM_PARAMETERS
79.	QA/QC Batch Management - Stop shipping legacy QAQCBatching6 application	LABWORKS has been enhanced to stop shipping legacy QAQCBatching6
80.	QA/QC Batch Management - QC Batch Analytical Batch Prep Batch No Samples Found Before Selecting Prep Batch	QAQC Batch Management application has been enhanced so that No Samples Found message is displayed only after selecting the Prep Batch
81.	QA/QC Batch Management - QC Batch List Existing Default to Only My Templates	QAQC Batch Builder application has been enhanced to populate "Only My Templates" checkbox as per user profile last setting
82.	QA/QC Batch Management - QC Batch Template Builder Change Order Dependent Test Codes	QAQC Template Builder has been enhanced so that order of Dependent Test Codes can be changed
83.	QA/QC Batch Management - QC Batching Collection Time Current Date and Time	QAQC Batch Builder application has been enhanced so that Collection Time as well as Submittal Time is set as Current Time instead of 00:00 for added special QA samples logged in from QC Batch.
84.	QA/QC Batch Management - QCBatching Prep Batch Special QA Samples Added to	QA/QC Batch Management has been enhanced so that Prep Batch Special QA Samples can be added to Analytical Batch

	Analytical Batch	
85.	QA/QC Batch Management - QC Batch Inventory added to eWorksheet	LABWORKS application has been enhanced to populate QC Batch Inventory details into eWorksheet - INVENTORY tab
86.	QA/QC Batch Management - Add assigned collection group owner column to QA/QC Batch Management	QA/QC Batch Builder has been enhanced to support Assigned Collection Group column
87.	QA/QC Batch Management - QC Batch Options Add SAMPLE Table Field ADDRESS to list	LWQAQC Batch Builder application has been enhanced to support configuration of SAMPLE.ADDRESS field to list of Available Samples grid
88.	QA/QC Batch Management - Filter by collection groups	QAQC Batch Management application has been enhanced to support filtering by Collection Groups for populating Available Sample Grid
89.	QA/QC Batch Management - QC Batch Template Assign Tests to QA_LOC Enhancement	QA/QC Template Builder has been enhanced to support assigning of default test codes to special QA samples, even when they are not part of default sequence
90.	QA/QC Batch Management - main form enhancements (grid, sorting and filtering)	QA/QC Batch Management application has enhanced so that the main form will support grid, sorting and filtering
91.	QA/QC Batch Management - Analyst Can't Remove Required QC From Batch	QA/QC Template Builder and Batch Builder applications have been enhanced to support configuration and validation of Batch Rules respectively
92.	QA/QC Batch Management - Support new sample type - QC sample	QA/QC Batch Builder application has been enhanced to support new sample type - QC sample
93.	QA/QC Batch Management - add status filtering to sample selector	QA/QC Batch Management application has been enhanced to support sample status filtering for Sample Selection grid
94.	QA/QC Batch Management - add eWorksheet label and status to QA/QC Batch Details screen	QA/QC Batch Management application has been enhanced to display eWorksheet label and status on QA/QC Batch Details screen
95.	QA/QC Batch Management - Default Inventory Item Quantities	QA/QC Batch Builder has been enhanced to display the default Item Quantity on Inventory tab
96.	QA/QC Batch Management - Return Inventory when a batch is deleted	QA/QC Batch Builder has been enhanced to allow user to return Inventory when a batch is deleted
97.	QA/QC Batch Management - Add collection time as a QA/QC Batch Management column	QA/QC Batch Management has been enhanced to display Collection Time as a column
98.	QA/QC Batch Management - QA/QC Template Builder enhancements	QA/QC Template Builder application functionality corresponding to Special QA Samples and Dependent Analysis has been enhanced
99.	QA/QC Batch Management - QC Batch Builder improvement	QA QC Batch Builder has been enhanced so that when removing a QC batch, user is prompted whether dependent analysis and QA samples associated with this batch should be deleted.
100.	Recording Container Receiving Temperature	LWSampleLogin application has been enhanced to capture Container Receiving Temperature during Sample Receipt using Manage Collection Groups
101.	Support Start Date and End Date fields in Replicate Configuration	LABWORKS application has been enhanced to support Start Date and End Date fields in Replicate Configuration
102.	Single Component Results Entry Replicate Selection Enhancement	Results Entry application has been enhanced to display "Replicate Review" window to allow the users to select the replicates
103.	Adding QC Batch ID and Prep Batch ID to Results table	Results Entry application has been enhanced so that QC Batch ID and Prep Batch ID are added to Results table
104.	Enhance Result Setup and Results Entry to support containers	Results Entry Template Setup and Results Entry applications have been enhanced to support Container ID field
105.	Multi-Component Spec Violation not updating on data change, only when screen is reopened	Results Entry application has been enhanced so that Multi-Component Spec Violation is updated upon data change as well
106.	Sample Login - Working with Prelogin groups - Add display of Prelogin Group name to main screen	LWSample Login has been enhanced to display Profile Name on the main screen
107.	SAMPLE MODIFY - ANUM order/editing	Sample Modify application has been enhanced so that ANUM order can be modified

| 108. | Workflow Architect Enhancement - Control state visibility | Process Scheduler application has been enhanced to improve State level visibility |

What's New 7.1

New Features:

Sr.No	Item	Description
1.	New LWEmailSender application	LWEmailSender application has been developed for facilitating sending of emails from LABWORKS applications
2.	Add RETAIN_WINDOW SYSMGR Setting	Process Scheduler application has been enhanced to use RETAIN_WINDOW setting from SYSMGR
3.	Encryption Security support for communication with LWDataService	LABWORKS application has been enhanced to support transport level encryption security
4.	New LWPostResults Module	LABWORKS Post Results new module has been developed to allow user to select a group of files to run PostResults
5.	SAMPLE MODIFY - ANUM order/editing	Sample Modify application has been enhanced so that ANUM order can be modified
6.	Auto Qualifier support for non-numeric results	Auto Qualifier has been enhanced to work with non-numeric results
7.	Ability to use %MDL% variables in the ini SpreadResult Entry section	LABWORKS application has been enhanced with the ability to use %MDL% variables in the ini SpreadResult Entry section
8.	CR Launch Pad - Email confirmation/notification for emails not sent	CR LaunchPad application has been enhanced to support SMTP configuration and provide email confirmation/notification for emails not sent
9.	Allow calculated date to be taken from source other than key input	Results Entry application has been enhanced to allow calculated date to be taken from source other than Key Input
10.	HELP tool icon (differentiate between local and web help)	LABWORKS Desktop application has been enhanced to change text from "HELP" to "ONLINE MANUAL" for the help menu folder - "HELP" shortcut.
11.	Report User field support for Export	Export Report application has been enhanced to support "Report User" field for export
12.	Process Scheduler Menu enhancement	Process Scheduler application has been enhanced so that QuickTrack and Custody Tracking options are displayed in Menu
13.	DMR Module Discharge/Limit Set Enhancement	DMR Module has been enhanced to support updated Discharge/Limit Set parsing logic
14.	Enhance NGMigrationTool to allow for specifying sample ranges	NGMigration Tool has been enhanced to allow user to specify a Sample Range so that only specified samples can be migrated
15.	Add Labworks Spec Limits to Control Chart	LWCtrlChartMDLStudy application has been enhanced to display LABWORKS Spec Limits for Control Chart
16.	Upgrade to Crystal Report version 2020	LABWORKS application has been enhanced to support Crystal Report 2020
17.	MOR Create Data Set - ExportData with a Cross Ref Search	MOR application has been enhanced to support data export using Cross Reference Search
18.	Enhance SampleModify to support post modify programs with parameters	SampleModify application has been enhanced to support post modify programs with parameters
19.	Apply NoConditioning rule to MDL during Post Results 6 processing	Post Results 6 application has been enhanced to apply NoConditioning rule to MDL
20.	Save eWorksheet under UserPath	eWorksheet application has been enhanced to save eWorksheet under "User Path" folder instead of "Temp Path"
21.	AuditTrail Viewer enhanced to support Object ID based filtering	Audit Trail Viewer has been enhanced to view the audit trail data based on Object ID
22.	LWSampleLogin enhancement for Method Reference and Replicate Information	LWSampleLogin has been enhanced to fetch Method Reference and Replicate information based on Location Code
23.	Support LoginBatchID Format PROJYYMMDD	LWSampleLogin application has been enhanced to support LoginBatchID format of PROJYYMMDD

24.	Change LABWORKS SQC Charting form label	LABWORKS SQC Charting form label has been corrected
25.	MOR Direct Connect option to fetch data	MOR report generator has been enhanced so that user can load the data directly by using macros to fetch the data
26.	Add expiration date to LWInventory ItemStock report	LWInventory Item Stock Report has been enhanced to support expiration date
27.	User defined fields enhanced to support MSDS	LABWORKS application has been enhanced to display 'SDS' instead of 'MSDS'
28.	Default result value used in all Sample Login tools	LABWORKS application has been enhanced to support default result value in all Sample Login tools
29.	Audit new and modified user accounts	LABWORKS application has been enhanced to audit new user account creation and modification of user accounts
30.	CRGEN ability to export more than one field EXP01, EXP02, EXP03	CRGEN application has been enhanced to export more than one field e.g. EXP01, EXP02, EXP03
31.	Add ability to review RAW results in Data Viewer	LWDataViewer application has been enhanced to support review of Raw results
32.	Autologin640 - Support Replicate result upload	In AutoLogin640 use keyword REPNO as property for result to specify replicate number
33.	Support re-activation/deactivation of Menus in Menu Editor in LABWORKS Desktop	LABWORKS Desktop has been enhanced to allow user to deactivate and reactivate menus
34.	Add option to import datafiles as objects in Multicomponent Transfer	LWMultiComponent Transfer has been enhanced to support import of datafiles as objects
35.	Add SAMPLE.REQTIME support for AutoLogin640	AutoLogin640 has been enhanced to support SAMPLE.REQTIME field
36.	Allow for setting of Custom Workflow architect statuses from Process Scheduler	Process Scheduler has been enhanced to allow setting of custom workflow architect statuses
37.	Loc List and Test Code search in LWSample Login to support "StartsWith" and "Contains"	LWSample Login application has been enhanced so that Loc List & Test Code search will support "StartsWith" by default and support * wild card for "Contains"
38.	Add error prompt when a date field cannot accept input in Sample Modify	Sample Modify application has been enhanced to display an error prompt upon entering invalid date time format
39.	Add configuration option to report violation when any individual replicate value is Out of Spec.	Results Entry application has been enhanced to report violation when any individual replicate value is out of specification, based on SYSMGR Setting "REPLICATE_REPORT_IND_VIOLATION".
40.	Post Results Entry Programs should be automatically triggered after E-Worksheet Upload	eWorksheet application has been enhanced to support execution of Post Results Entry Programs e.g. ViolationReorder after posting the results
41.	Enhance LWViolationReorder speed when invoked from ResultsEntry	Results Entry application has been enhanced to support post result program invocation in asynchronours mode
42.	Results Entry Template - Cursor Movement Improvement	Results Entry application has been enhanced to support cursor movement configuration as 'Next Cell' or 'Next Empty Cell'
43.	Add Use Login Record File Control to PS Service Controller	PS Sample Scheduling Service Controller has been enhanced to support use of login record files in the logged samples based on LOGIN_USELRF INI Setting
44.	Enhance ResultsEntry to display Instrument List on Details Page	Results Entry application has been enhanced so that ResultsEntry Detail Edit, Single and Multi-component screens display Instrument List drop down for selection
45.	Support 'Trigger only on Violation' flag in Violation Reorder application	LWViolationReorder has been enhanced so that trigger can be invoked with/without violation based on "Trigger Only On Violation" flag
46.	Provide option to reset LABWORKS Desktop position to center of active monitor.	LABWORKS Desktop application has been enhanced so that LABWORKS Desktop position is reset to center of active monitor, if previously saved context is no longer valid
47.	Add ability to resize and save the size of the main COAPRN6 program.	COAPRN application has been enhanced with the ability to resize the main COAPRN6 program and save user specific context
48.	Add qualifier to all samples in one batch	QA/QC Batch Builder has been enhanced so that a qualifier can be applied to all of the samples in the same QC batch

49.	Modify Audit Trail to track all result source changes	LABWORKS applications e.g. Results Entry, PR6 have been enhanced so that all result source changes will be tracked in Audit Trail
50.	NGII Reruns and Conflicts User Enhancement	LWMulti Component Transfer has been enhanced so that when Reruns and Conflicts are active, single instance of sample/test code is selected by default and not included in Conflict Count
51.	Make latest report number and date exportable in the CEF	Export Sample application has been enhanced so that latest Report Number and Date can be exported in CEF
52.	Allow moving of any selected item to the top of a list with one button click.	Sample Modify application has been enhanced so that user is allowed to move any selected item to the top/bottom of the list with one button click instead of only moving one up or one down each time.
53.	MDL Study Tracking – support reason for excluding samples	MDL Study Tracking application has been enhanced with audit trail capabilities for each study such that user can enter the audit trail reason for excluding the samples
54.	LWExplorer - Add cancel option if selecting a huge data set.	LWExplorer has been enhanced to display "Cancel" option on the progress bar displayed while loading the data set, so that user can cancel the load operation if required.
55.	QC Batching - Add Test Codes to Special QA Samples in Batch Template	QAQCBatchTemplateBuilder has been enhanced to add test codes to special QA samples
56.	Enhance Work Area on Customer Base Set in COA Application	Customer Base Setup in COA application has been enhanced to have enlarged work area
57.	Process Scheduler - Readability of colors for "Due within 48" in Blank DB configuration	LABWORKS SYSMGR setting for Process Scheduler "Due within 48 hrs" font and background colours have been made more readable in blank default database
58.	Allow export of samples found using Cross Reference Search	Cross Reference Search application has been enhanced to allow export of samples found using cross reference search to Excel
59.	Improve audit trail entries for sample delete	Sample Modify application has been enhanced so that user can delete multiple samples at once and apply audit trail reason to all samples at one time, to prevent repeated UI entry for each deletion.
60.	Importing Replicate Data - global import behavior configuration	Results Entry application has been enhanced so that it supports global import configuration for Replicate Data through SYSMGR setting "IMPORT_REPLICATE_DATA". It will support OVERWRITE, APPEND and FILLNULLANDAPPEND values.
61.	Sample Modify - More fields available for edit	Sample Modify application has been enhanced so that user can edit "Logged in by" field.
62.	Add AdHoc charts to SQC Routine	SQC Charts has been enhanced with adhoc SQC charting support
63.	LWQuickTrack Enhancements	LWQuickTrack application has been enhanced with the ability to use the record selector (highlighting in blue) to apply the next action (print label, move, delete) on those selected containers only
64.	LWExplorer - add Sample Level Violation indicator	LW Explorer has been enhanced to display 'Has Violations' field at sample level

What's New 7.0

New Features:

Sr.No	Item	Description
1.	Use ObjectPublisher for custody tracking reports.	Default report templates (CRYSTAL_CUSTODY, CRYSTAL_RESULTS) have been added to ObjectPublisher. Supported apps are: LWSampleLogin, ProcessScheduler6.
2.	Update crystal report data sources.	New SAMPLE columns have been added. SIMC.xsd, LWReporting.xsd data sources have been updated.
3.	Remove the ADD_TO_PROCESS_SCHEDULER system parameter.	ADD_TO_PROCESS_SCHEDULER has been deprecated

4.	Enhance sample login templates with new sample properties SPRIORITY, REQTIME, CUSTOMER.	The new properties have been added to LWSampleLogin template configuration.
5.	Enhance the reorder and the copy operation in the ProcessScheduler6 app.	Added copying sample comments, user-defined fields, sample attachments, special info fields, result specifications, analyses creation in ProcessScheduler6.
6.	Container property enhancements	Analysis List Maintenance, LWSampleLogin, Results Entry, PostResults6 applications have been enhanced to support Container properties e.g. Preservative, Container Type
7.	Add default qualifier option to LABWORKS analyses	LWAnalysis Maintenance application has been enhanced to support default qualifier for analysis codes/analytes for Single and Multicomponent Analysis
8.	AuditTrailViewer Enhancement - improve querying capabilities	AuditTrail Viewer application has been enhanced with "Contains" filter for Object Type and Object ID fields
9.	Email Crystal Reports support	Crystal Report Viewer application has been enhanced with the ability to attach the report being viewed to an email and send the email
10.	TNI Compliance - MDL Study Tracking and Reporting	A new application has been developed for tracking Control Chart and MDL Study. MDL Study supports CLASSIC as well as NELAC Rulesets.
11.	CustLog6 window minimizing (calling from LWSampleLogin)	CustLog6 application window can be minimized and restored when invoked from LW Sample Login
12.	Add sample header fields to Data Viewer	LWData Viewer application has been enhanced to support Report Address and Invoice Address fields in Sample Information configuration
13.	Dataviewer icon and GTV launch enhancements	LWDataViewer has been enhanced so that with "Send Data To GTV" option user can start graphical trend viewer, without the need to manually "copy / paste" the data into the application
14.	Increase MDL property length to 14 characters	LABWORKS applications have been enhanced to increase MDL property length to 14 characters
15.	LABWORKS Email Configuration Form label improvements	LABWORKS Email Configuration Form labels have been improved
16.	LABWORKS error log – Do not load all records at first.	Error Log Viewer application has been enhanced with the functionality to truncate all the records in database.
17.	eWorksheet - populate current LW user ID when creating	eWorksheet application has been enhanced to populate current logged-in LABWORKS User ID as "Analyst" while creating new eWorksheet
18.	eWorksheet Misc UX Enhancements	eWorksheet application has enhanced UX and eWorksheet Template changes are reflected in eWorksheet Builder without restarting eWorksheet Builder
19.	Add ability to leave eWorksheets locked for cells containing macro/formula/code.	eWorksheet application has been enhanced to leave eWorksheets locked for cells containing macro/formula/code
20.	eWorksheet Enhancements: ability to resize window	eWorksheet application has been enhanced to have the ability to resize the window
21.	eWorksheet from QCBatch Sample-Test List Up-Down Arrow Enhancement	eWorksheet application has been enhanced to support Up-Down Arrow movement for QCBatch Sample-Test List
22.	eWorksheet visible within Results entry and Result Validation screens	Results Entry and Sample Analysis and Validation applications have been enhanced so that eWorksheet application can be launched for the selected sample and analysis
23.	eWorksheet enhancements	eWorksheet application has been enhanced to support "Validated" status
24.	Add LWEXE path to Help	About dialog	LABWORKS application has been enhanced to add LWEXE path to Help and About dialog
25.	Instrument Maintenance - Add Front page sort column for Location	Instrument Maintenance application has been enhanced to add sort column for Location on front page
26.	Inventory - Label Counter - Increase to support 6 digits	LWInventory Management application has been enhanced so that Label counter is increased to support 6 digits
27.	Inventory - Add Location to Label	LWInventory Management application has been enhanced so that

			Item Location is printed on the label.
28.	Inventory Module - Display DISPOSED in Item Stock for Restocking		LWInventory Management application has been enhanced so that items having "DISPOSED" status are displayed in Inventory List based on the configuration
29.	PSSCHEDULE and SAMPLE table merge tasks - Workflow Architect Changes		LABWORKS application has been enhanced to support updated Workflow Architect State transitions for Sample object
30.	Enhance Explorer to expose friendly names for new SAMPLE DB properties		LW Explorer application has been enhanced to display complete property names in the filter list
31.	LOCATION code acceptable characters		Location List Maintenance application has been enhanced to support acceptable characters for LOCATION code
32.	Launch QA QC Batch Builder for the selected QA QC Batch ID from Data Viewer/LW Explorer		LWData Viewer and LW Explorer applications have been enhanced so that QA QC Batch Builder application can be launched for the selected QA QC Batch ID
33.	LWQuickTrack - enhancement for print labels		LWQuickTrack application has been enhanced to support Container Label printing
34.	QuickTrack Usability and interface issues		LW QuickTrack application has been updated for enhanced usability
35.	Scan documents directly into attachments		LWSampleLogin application has been enhanced so that documents and images can be directly scanned and associated with the sample during login
36.	LW Sample Login - Moving the cursor vertically		LW Sample Login has been enhanced to add configuration for "Enter Key Action" as down or right
37.	Graphical Trend Viewer - Copy to clipboard		LWDataViewer application has been enhanced to support copy to clipboard functionality for Graphical Trend Viewer
38.	License count exceeded locks all connected users		License Manager has been enhanced so that when 10 users are logged in and the 11th user tries to login then he should get a warning message "The maximum number of Licenses are currently in use". Already logged-in users should not get any message.
39.	eWorksheetBuilder - formatting issues		eWorksheet application has been enhanced to resolve UI formatting issues
40.	LWInventory introducing "grades" to selectively allow material, batch or bottle level granularity		LWInventory Management has been enhanced with "Grade" property to selectively allow material, batch or container level granularity
41.	Inventory Management Improvements		LW Inventory Management application has been enhanced to filter Alert Home Page based on Storage Location, add ability for authorized user to edit ITEM Stock, display Item unit along with quantity
42.	LWInventory allowing consumption in excess of available stock quantity		LWInventory Management application has been enhanced to display "Display Only Overflow Stock Records" checkbox, which when checked will display only the Inventory Items with negative quantity
43.	Inventory Management Improvements for large number of storage locations		Inventory Management application has been enhanced to support large number of Storage Locations with hierarchical selection view
44.	Inventory Mgmt - Mixture Storage Units and Consumption Units		LWInventory Management application has been enhanced to support Mixture Storage Units and Consumption Units
45.	Inventory Management Workflow Received before OPEN		LWInventory Management application has been enhanced to display records for all the statuses, configured in Workflow Architect, on Inventory Management grid
46.	Inventory Management Enhancement to assist tracking Columns (GC/LC)		LW Inventory Management application has been enhanced to assist tracking Columns (GC/LC)
47.	Multi Component Transfer - allow save all without having to individually select items		LW Multi Component Transfer application has been enhanced to allow selection of multiple items for saving so that user does not have to select individual items separately
48.	LWMCT supports Post Processing Programs		LW MultiComponent Transfer Application has been enhanced to support Post Processing Programs
49.	LWPostResult6 Enhancements		"lwPostResults6.exe" application has been enhanced so that if PR6_INPUTFILE SYSMGR setting is NULL then on executing

		"lwPostResults6.exe PR1" command, user will be prompted to select the input file.
50.	Allowing files greater than 10 MB to be attached to a QAQC Batch as a link	LABWORKS Document Attachment functionality has been enhanced so that if "ATTACH_OVER_MAXFILESIZE_AS_LINK" SYSMGR setting is true, then the document is automatically attached as link when over "ATTACHMENT_MAXFILESIZE" SYSMGR setting value.
51.	LWQAQCBatchBuilder - Allow custom Date Range modification to be stored per user	LW QAQC Batch Builder has been enhanced such that it will store Start Date / End Date modification on Existing and My Batch tab on per user basis
52.	Sample Login - assigning tests filter by department	LWSample Login was enhanced so that it is possible to assign test filters by department
53.	SampleLogin LocCode TestCode Search using Contains filter	LWSample Login, Analysis List Maintenance, LocList Maintenance application search facility has been enhanced for Location code and Analysis code to use "contains" instead of "starts with" search capabilities
54.	LWSampleLogin - Enhance Copy Paste functionality to include Location Code, Analysis Code and Comment	LW Sample Login application has been enhanced such that Copy Paste functionality includes Location Code, Analysis Code and Comment
55.	Modernize LWSampleLogin's look'n'feel by applying a more modern visualization template	LWSample Login has been enhanced to modernize its look'n'feel by applying a more modern visualization template
56.	LWServiceControllers form improvement	LW Service Controller application UI alignment has been enhanced
57.	Enhance LWSysCfg user onboarding process	LWSysCfg user onboarding process has been enhanced to update the users list based on UserHead table
58.	ModifySamples6 Minimize Window enhancement	ModifySamples6 application has been enhanced to support minimize window functionality
59.	MOR Create Data Set - ExportData with a Cross Ref Search	MOR application has been enhanced to support data export using Cross Reference Search
60.	MOR design program blocked when duplicate output cell	MOR Setup application has been enhanced such that duplicate output cell configuration is not allowed
61.	NGII Agilent GC for Method 2186	NGII Interface has been developed : Agilent GC for Method 2186
62.	NGII Horiba ICP Instrument Interface for ERCO	NGII Interface has been developed : Horiba ICP
63.	NGII QuantStudio 6 qPCR	NGII interface has been developed : QuantStudio 6 qPCR
64.	NWA SQC Charts - Add Method Reference	NWA SQC Charts have been enhanced to add Method Reference to the second label
65.	Allow comment import from post result 6 on analyte level	Post Results 6 (PR6) application has been enhanced to allow comment import at analyte level based on OVERWRITECOMMENTS parameter
66.	PR6 command line processes records having space after Analyte Name	Post Results 6 application has been enhanced to handle space after Analyte Name
67.	PostResults6 Imports - allow append of !COMMENT result in NTRLTS table	PostResults6 application has been enhanced to append or overwrite the earlier narrative analysis result based on OVERWRITENARRATIVERESULT parameter
68.	Process Scheduler supports Container association	Process Scheduler has been enhanced to support association of analysis codes to containers for timed groups
69.	Add sample description to Process Scheduler	Process Scheduler has been enhanced to add Location Description as column option
70.	Process Scheduler - request username and password for data entry	Process Scheduler has been enhanced to request username and password for data entry
71.	Allow timed groups to be sorted alphabetically in Process Scheduler	Process Scheduler has been enhanced so that timed groups can be sorted alphabetically as per selection
72.	Up/down record movement in Sample Receipt	Process Scheduler application has been enhanced to support up/down record movement on Sample Receipt configuration screen
73.	Process Scheduler - By Analysis	Process Scheduler application has been enhanced to support

		Column Width and QC Batch ID's	Analysis Column Width of 24 characters
74.		Process Scheduler - Sort Order	Process Scheduler has been enhanced so that when selecting SampleModify, the list of samples selected previously is retained after completing Sample Modify
75.		Process Scheduler - Download to PDA	Process Scheduler application has been enhanced so that "Send to PDA" option creates a CSV file with a browse for the file save, so that the name and location of file can be specified
76.		PSSCHEDULE and SAMPLE table merge tasks	LABWORKS application has been enhanced to merge Process Scheduler and Sample table
77.		Allowing a user to modify the PS Priority on multiple samples at a time	Process Scheduler has been enhanced so that user can modify PS Priority of multiple samples at a time
78.		Container Tracking from QC Batch	QA QC Batch Builder application has been enhanced to support launching of LW Container Management for the samples in the batch
79.		QC Batching - add samples that are already batched to a new batch	QA QC Batch Builder application has been enhanced so that typed-in or scanned Sample ID can be added to Available Sample Grid, irrespective of the sample status
80.		QC Batching - add "contains" filter to all grids	QA QC Batch Builder application has been enhanced to support "Contains" filter for all the grids
81.		QC Batching - Report Template functionality enhancement	LW QAQC Batch Builder application has been enhanced to support multiple report templates
82.		Due Colors PALE Setting for QCBatching and eWorksheet	LW QAQC Batch Builder and eWorksheet applications have been enhanced to support PALE setting for Due Date Colours
83.		Improvements to new version of QUICKTRACK	LWQuickTrack application has been enhanced to display "Analysis Status" so that user can dispose the Container if the status is "Validated"
84.		Replicate Management - Add Sample ID to list of fields	Replicate Management application has been enhanced to display Sample ID on Replicate Management Form
85.		REPORTHEAD.REPORTUSER needs to be added to the FLATDATA_REPORTHISTORY for export/report	Report application has been enhanced so that REPORTHEAD.REPORTUSER field is added to FLATDATA_REPORTHISTORY for export
86.		Result Entry - Analysis Code Sub-filtering	Results Entry application has been enhanced to display only the analysis codes assigned to samples based on "Filter by analysis assigned" configuration in Result Entry setup.
87.		Re-order tests from Results Entry	Results Entry application has been enhanced to support re-ordering of tests
88.		Resultls Entry - Edit Results Screen Improvement	Results Entry application has been enhanced to improve the usability on Edit Results Screen
89.		Analysis Start/End Date/Time Warning Prompt	Results Entry application has been enhanced such that invalid Analysis Start Date Time or End Date Time is highlighted with red background colour
90.		Allow raw results to be used in calculations, exports	Results Entry application has been enhanced so that raw results can be used in Calculations and Exports
91.		Locking analyst initials in result entry to a pick list	Results Entry application has been enhanced so that only valid analyst initials can be entered
92.		Results Entry - allow for ctrl+c / ctrl + v from keyboard	Results Entry application has been enhanced to support ctrl+c / ctrl + v from keyboard
93.		Results Entry - Bulk Audit Trail change logs	Results Entry application has been enhanced so that if "BULK_AUDIT" SYSMGR setting is true then audit trail will be recorded in bulk, only when the user presses save
94.		Results Entry - Importing PR6 data for single component results	Results Entry application has been enhanced to support AREF and MDL while importing PR6 data for single component results
95.		Result Entry - spec evaluation on cell focus change after rounding	Results Entry application has been enhanced to use "ROUND_RESULT_BEFORE_SPEC_EVALUATION" SYSMGR setting so that spec evaluation is applied after rounding, on cell focus change
96.		List of Units enhancements	Results Entry application has been enhanced to allow list of units to be filtered based on Units configuration in Analysis Maintenance application

97.	ResultsEntry - Replicate Data Entry - Usability	Results Entry application has enhanced usability to support F6 shortcut key for Replicate Management Form. Replicate Management Form has been enhanced to display Graph as a tab and to save the context for the form size.
98.	Filter Quick Navigation features in data validation	Sample Analysis And Validation application has been enhanced with quick search and alphabetical sorting features for analysis.
99.	Sample/Analysis validation highlight the violating results in the detail review for components	Sample Analysis validation has been enhanced so that the violating results are highlighted in the detail review for components
100.	Sample Invoice enhanced to support 4000 chars in SAMPNOS field	Sample Invoice application has been enhanced to support 4000 characters in SAMPNOS field in INVHEAD table
101.	MODSMPS6 - Add Update Due Date	MODSMPS6 application has been enhanced to support due date updates
102.	Sample Validation INI Enhancement to Show Qualifier	Sample Analysis and Validation application has been enhanced to display Qualifier field based on INI Setting "DISPLAY_QUALIFIER"
103.	ScanDaemon Service Improve Debugging	ScanDaemon - When in Debug mode temporary PR6 files are not deleted.
104.	Zip Report Folder Organization Enhancements	Zip Report application has been enhanced so that user defined folders can be added. Also reports organized by type (Crystal, Access, Label) have the ability to be copied to My Reports folder and User Defined folders.
105.	Add ability to attach bottle code to analysis in AutoLogin640	AutoLogin640 application has been enahnced so that bottle code can be attached to analysis
106.	Improve LWSampleLogin performance during configuration	LWSampleLogin application performance has been enhanced during template configuration

What's New 6.10

New Features:

Sr.No	Item	Description
1.	Analysis Qualification based on Method.	Analysis Qualification based on Method instead of Analysis Code for Personnel and Instruments
2.	Visually group analyses inside containers.	Visually group analyses inside containers without having to use #group analyses
3.	QuickTrack enhancements making container movement easier	LWQuickTrack application has been developed for Container Management.
4.	Corrective Action / Preventive Action Reporting (CAPA)	Corrective Action / Preventive Action Reporting (CAPA) functionality has been added.
5.	New personnel training & instrument calibration with events view	Personnel training & instrument calibration applications have been enhanced with events view.
6.	Scheduled Calibration and Maintenance Events	Instrument Calibration application has been enhanced to support scheduled calibration and maintenance events.
7.	Event notifications support	Event notifications for Personnel Training & Instrument Maintenance, as well as CAPA
8.	Persisted Group Enhancements & Migration Tool.	Persisted Group Enhancements so that they now work as log batch details constructs & Migration Tool for them
9.	ANALYSIS CODE CALCULATION - Divide by Zero	Analysis List Maintenance application has been enhanced to set the output of the result as per the SYSMGR configuration, upon receiving divide by zero error during the result calculation
10.	Enter a CAS number for containers in analysis maintenance	Analysis Maintenance application has been enhanced to support CAS number for Container
11.	Analysis List Maintenance - Improve Delete Analyte	Analysis List Maintenance application has been enhanced to improve the analyte deletion capability
12.	Audit trail entries for newly added results and filespec for	A bug has been fixed such that when CopyResults application is used the qualifier is set to "C", showing its a copied result

		imports
13.	AUTOLOGIN – Analytes	AutoLogin640 application has been enhanced so that the user can provide a specific list of analytes through the command prompt
14.	Automatic Exception Report to support Crystal formats and CRGEN6 options (export, mail...)	CRGEN.INI added support for: SEL_FORMULA_HAS_DATA Use a data selection formula to verify there will be data on the report, if not then don't print
15.	Backlog report save to XLS improvement	Backlog Report has been enhanced to support export of same fields for Excel as that of CSV export
16.	CROSS REFERENCE - filtering search	A bug has been fixed in Cross Reference Search such that the records are filtered as per the search criteria
17.	Enhance Current Report Number Tracking Capability to Better Include Revision Number	Report Number tracking capability in Crystal Report has been enhanced to include revision number.
18.	Increase analyte name field size to accommodate longer names	LABWORKS has been enhanced to support Analyte Name field, to accommodate names up to 100 characters
19.	eWorksheet display Excel Ribbon	eWorksheet has been enhanced to display Excel Ribbon
20.	eWorksheet Enhancement Save eWS Default to No	eWorksheet application has been enhanced to support "Complete eWorksheet" functionality and have the default option on "Save Dialog" as "No"
21.	Add ability to leave eWorksheets locked for cells containing macro/formula/code	eWorksheet application has been enhanced to leave eWorksheets locked for cells containing macro/formula/code
22.	eWorksheet – upload results even If upload sheet SIDN column contains non sample number	A bug has been fixed in eWorksheet application so that even if SIDN column in "Upload Sheet" contains non sample number, the results are uploaded successfully
23.	eWorksheet - Adding samples to eWorksheet to specific location	eWorksheet application has been enhanced such that user will be able to populate the selected sample on a specific location (other than the configured "Starting cell address") in the right-hand side eWorksheet pane
24.	eWorksheets - display container ID	eWorksheet has been enhanced to display Container ID
25.	eWorksheets - Turn off screen update when populating audit	eWorksheet application performance has been enhanced
26.	eWorksheet Template - Edit xlsm from UI for one sheet in workbook	eWorksheet Template Builder has been enhanced so that eWorksheet Template Excel can be directly edited from the application based on "EWRKSHTTEMPEXCEL" privilege
27.	LWInventory ability to transport only a fraction (specific quantity) of a stock item.	LW Inventory Management application has been enhanced to add the ability to transport only a fraction (specific quantity) of a stock item
28.	LW Client-Install/Uninstall Script	LW Client-Install/Uninstall Scripts have been provided for fully automated install/uninstall and upgrade
29.	Add ability to select or deselect ALL parameters for MC test in Data Viewer	LW Data Viewer has been enhanced to add ability to select or deselect ALL components for Multi-Component Analysis
30.	LWMultiComponentTransfer: Update MDL and PQL based on Dilution Factor changes	LWMultiComponent Transfer application has been enhanced so that MDL and PQL values are updated based on Dilution Factor changes
31.	Allow user to see list of PR2 records in LABWORKS database when saving prelogin groups	Multi Sample Login Application has been enhanced to allow the user to view and update the current Pre-login Group Name while saving the pre-login group
32.	QAQC Batching Query/Display in Data Viewer	LWDataViewer has been enhanced to support QA QC Batching in filtering and display
33.	LWAuthentication – generate error when FIPS compliant requirement is not met.	LWAuthentication enhanced to display specific FIPS Compliance requirement related error to the user
34.	License count exceeded locks all connected users	License Manager has been enhanced so that when 10 users are logged in and the 11th user tries to login then he should get a

		warning message "The maximum number of Licenses are currently in use". Already logged-in users should not get any message
35.	Audit old value and new value of long text when changing comments in LABWORKS Desktop	Audit logs have been enhanced to keep track of old comments when they get replaced by users
36.	LW EXPLORER - Print Comments	LWExplorer application has been enhanced to support printing of comments
37.	Add QA/QC batch number in Explorer	LWExplorer application has been enhanced to display QA/QC batch numbers
38.	Viewing the Secondary Result from LWExp_DotNet	LWExplorer .NET Application has been enhanced to display Secondary Result and Qualifier based on the configuration
39.	LWInventory - Phone number field, allow user to enter characters in addition to numbers	LWInventory Management application has been enhanced to support characters in addition to numbers for Phone Number field
40.	LWInventoryManagement: Add Manufacturer picklist available in the Itemstock table	LWInventory Management application has been enhanced so that the manufacturer is associated with Itemstock instead of Item
41.	Inventory Management – Filter with "Contains" instead of "Starts With".	Inventory Management has been enhanced to support "Contains" in the filter instead of "Starts with"
42.	Improve license count debugging	LWLicense Manager has been enhanced to release dangling sessions
43.	LW Login - Entering Comments	LW Sample Login has been enhanced so that user can click the comments button and directly enter in the text
44.	Sample Login - Add the capability for the Picklist for a field to be a combo/edit field	LW Sample Login application has been enhanced to add the capability for the Picklist for a field to be a combo/edit field
45.	Limit selection of databases to configured databases in Webtop	LW WebTop application has been enhanced so that during login LABWORKS databases available for selection are displayed as per the database configuration in SYSCFG
46.	LWWebtop - Request option to turn autocomplete off for password.	LWWebTop has been enhanced to add an option "PasswordAutoComplete" in web.config. It can be used to turn on or off the auto-complete functionality
47.	MCSelect6 - Filtering and Sorting Options.	MCSelect application has been enhanced to support filtering and sorting options
48.	MultiSample Login : Expand Multicomponent	MultiSample Login application has been enhanced to display a list of analytes related to the selected Multicomponent
49.	MULTI-SAMPLE LOGIN - Create/Modify PR2 files	MultiSample Login has been enhanced to support creation/modification of PR2 files
50.	Turn on / off FIPS compliance via configuration parameter.	LABWORKS has been enhanced to turn on / off FIPS compliance via configuration parameter
51.	Attach Multiple Files to Sample or Analysis in Results Entry.	Result Entry - Sample Object Management has been enhanced to support attachment of multiple files to Sample or Analysis
52.	OPCEXP6 ability to export non numeric results	OPCEXP6 has been enhanced to allow for export of non-numeric results
53.	Import Container IDs through PostResults6.	Post Results 6 has been enhanced to support importing of Container ID
54.	PostResults6 - Posting Replicate to be Reportable Result.	Post Results 6 application has been enhanced to support posting of replicate as reportable result
55.	PostResult6 - Posting Violations.	Post Results 6 application has been enhanced to support posting of violations
56.	Allow comment import from Post Result 6 on analyte level.	Post Results 6 (PR6) application has been enhanced to allow comment import at analyte level
57.	PostResults6 - Excel calculation error - Next file fails to load	PostResults6 application has been enhanced so that excel calculations are performed as expected.
58.	Adding MCSelect6 option to ProcessScheduler - Analysis Display	Process Scheduler application - 'Analysis Display' view has been enhanced so that MCSelect6 option is available for selection
59.	Process Scheduler - Filters for	Process Scheduler application has been enhanced to support

	Columns in Grid	filtering of the grid columns
60.	PS Sample Receipt Attach COC Persisted Group Button and Receive Samples Even if Not All Containers Received.	Process Scheduler application has been enhanced so that user can attach scanned COC to a group of samples during sample receipt. Also the application has been enhanced so that samples can be received even if all containers are not received.
61.	PS Schedule - Add Designated Printer to schedule setup, Print from Service	Process Scheduler has been enhanced to add designated printer to schedule setup and print to the selected printer
62.	Process Scheduler - Scheduled Time Frequency Logic improvement	An enhancement has been made in Process Scheduler application such that it is possible to add an extra analysis for a weekly Timed group frequency e.g. 1st Wednesday of Month
63.	Process Scheduler - List to Select Multiple COC Report Formats	Process Scheduler application has been enhanced so that user can view and select from Multiple COC Report Formats
64.	RESULT/ANALYSIS – Preparation Date/Timestamp	LABWORKS has been enhanced to support Analysis Preparation Date Time
65.	Integrating MCSelect and LWQAQCBatchBuilder.	LW QA/QCBatchBuilder application has been enhanced so that the filtered analytes from the samples are applied to the QC Samples that are created during the batching process
66.	QAQC Batching - SIMC Load Calculations can slow down batch creation	QA/QC Batch Builder application has been enhanced to improve batch creation performance
67.	QC Batching General Enhancements	QA QC Batch Builder has been enhanced so that Batch Description is displayed instead of the Batch ID in the Existing tab and Inventory Units column is added
68.	QC Batching - Multiple sets of qc samples	QA QC Batch Builder has been enhanced to support multiple sets of QC samples
69.	QC Batching - Move Ellipse to left and auto open	QC Batching Application has enhanced usability when a sample is selected to be the QC sample for the batch
70.	Importing replicate data always increments number of replicates and no default is used for previously logged analysis	A system wide default setting "DEFAULT_REPLICATE_POLICY" has been added for the default Replicate Policy in SYSMGR and added functionality so that empty replicate rows are filled before appending new replicate rows
71.	Add Validation User to Results Entry Mult-comp Edit Screen	Result Entry application has been enhanced to display Validation User and Validation Date on Multi-component Edit and Single Component Screens
72.	Result Entry - Analysis Code Sub-filtering	Results Entry application has been enhanced to display only the analysis codes assigned to samples based on "Filter by analysis assigned" configuration in Result Entry setup
73.	Improve Calculation Performance	Results Entry application has been enhanced to improve the calculation performance
74.	Add option for specifications to be =>=< OR <> only	Specification definitions have been enhanced so users are given more control over the specifications, allowing them to specify which conditions to be used for each specification (e.g. > vs >=)
75.	Result Entry Replicates Ability to select the latest replicate for In Process Control	Results Entry application has been enhanced to have the ability to select the latest replicate as result for In Process Control
76.	Attachments - link to web page in addition to file attachments	Sample Attachments have been enhanced to support link to web pages as well
77.	SAMPLE MODIFY - Update Analysis Order	Sample Modify application has been enhanced to allow the user to update the analysis order
78.	Sample modify ability to lock the Location code field	Sample Modify has been enhanced such that fields can be locked based on the configuration
79.	Sample Modify – Display prompt when there is data type mismatch for datetime field	Sample Modify has been enhanced such that User Fields having data type as "datetime" are validated
80.	SAMPLE MODIFY - IES CSV file	Sample Modify application has been enhanced to create files to record sample deletion and modification activities
81.	Zip Reports - Add to My Reports instead of Favorites	Zip Reports application has been enhanced to display the context menu as "Add to My Reports" instead of "Add to Favorites"

82.	NGII - WW SCADA Interface	NGII interface has been developed: WW SCADA Interface
83.	NGII - Applied Biosystem - QuantStudio 6 Flex Real-Time PCR System: Support XLS format	NGII interface has been developed to support XLS format: Applied Biosystem - QuantStudio 6 Flex Real-Time PCR System
84.	NGII - Perkin Elmer Clarus 580 GC (NEA)	NGII interface has been developed: Perkin Elmer Clarus 580 GC (NEA)
85.	NGII - Applied Biosystem - QuantStudio 6 Flex Real-Time PCR System	NGII interface has been developed: QuantStudio 6 Flex Real-Time PCR System
86.	NGII - Agilent GC	NGII interface has been developed: Agilent GC Instrument

LABWORKS 6.9.

What's New 6.9

New Features:

Sr.No	Item	Description
1.	Support for CMDP	Support has been added for electronically submitting CMDP (https://cmdp.zendesk.com/) compliance reports.
2.	Add option to add/edit fields shown in SAMPSELCOMP6.OCX when samples are selected	Sample Selection Dialog used across LABWORKS application has been enhanced so that the fields displayed in the dialog can be selected via configuration.
3.	Chem Inventory - Purchase Requisition Refinements	In LWInventoryManagement application, "OVRD_EXP_DATE" privilege has been changed to "CINV_OVRD_EXP_DATE"
4.	Sample Login - Date/time picker	Sample Login date/time fields have enhanced usability
5.	CRGEN- Report Output Folder Enhancement	CRGEN has been enhanced to allow more control over which folder to store the report in, including support for nested folders.
6.	Add sort option to Process Scheduler login from ready to collect	Process Scheduler now allows you to right click on a "ready to collect" sample and sort the spreadsheet used to edit sample fields.
7.	Inventory Management - Edit Quantity during Mixture Creation	Inventory Management application has been enhanced to allow the user to enter the actual quantity used during Mixture creation.
8.	Sample Management - automatically calculate turn-around time	DataViewer application has been enhanced to display Sample Turn-Around Time
9.	USERHEAD.INITIALS field size increase to accommodate LDAP authentication	LABWORKS has been enhanced to support LDAP authentication for LDAP User IDs upto 256 characters
10.	Instrument Maintenance And Calibration (IMC) automatic warning email and automatic disable past due M/C instruments	Instrument Maintenance and Calibration application has been enhanced to support sending automatic warning email messages and disabling instruments for which maintenance/calibration due dates are elapsed.

11.	Allow users to set Process Scheduler initial status from new sample login	It is now possible to set Process Scheduler initial status from LWSampleLogin. System Manager SHOW_STATUS needs to be checked.
12.	Inventory - Add multiple of the same item in single operation	A new feature is added to support receive batch of inventory item.
13.	Process Scheduler - request username and password for data entry	Process Scheduler has been enhanced to request username and password for data entry
14.	Multicomponent Select (MCSelect6) addition to Process Scheduler Right Click	Added new SHOW_MCSELECT = YES to Process_Scheduler
15.	Sample Modify - configurable default update due date option	Sample Modify application has been enhanced to support configuration of the default update due date option e.g. "Always", "Never", "Prompt"
16.	eWorksheets - miscellaneous improvements	eWorksheet has been enhanced to configure in the template and validate the cells that must have values before being posted
17.	Filter by Department(s) for Analysis Validation	Application has been enhanced to support filtering by Department in Sample Selection dialog for 'Analyses Awaiting Validation' option.
18.	Process Scheduler scheduled groups are converting selected order of location codes to alphabetical order	Process Scheduler has been enhanced to display scheduled groups as per the order of location codes
19.	MULTI-SAMPLE LOGIN - Copy and Paste Support	Multi Sample Login has been enhanced to provide copy-paste support
20.	Optimization around LABOBJSPECINFO, LABOBJMAILLIST	LABOBJSPECINFO, LABOBJMAILLIST performance has been optimized
21.	eWorksheet - Completed changed back to In Progress	eWorksheet application has been enhanced to allow the user to change the status from Completed back to InProgress
22.	Result Entry - Sample Object Attachments	Result Entry application has been enhanced so that user can select the Sample Object Attachments from any folder available in the network.
23.	LWExplorer not showing time for user fields of datetime type	LWExplorer has been enhanced to display date as well as time for user fields of datetime type
24.	Spec Info Change Value Update Batch	QA QC Batch Builder has been enhanced to display the Update Batch button if a change is made to a previously created batch and a value in one of the Special Info Form fields is changed
25.	Restricting PS Sample Edit	An improvement has been made to implement "PS Sample Edit" privilege for restricting PS Sample Edit to privileged users
26.	Explorer .NET History - Form Resize doesn't resize contents	Improvement has been made in Explorer .NET History form to resize contents after resizing the form
27.	Result Entry- Start Date > End Date Prompt	In Result Entry application, Analysis Start Date > Analysis End Date message prompt is now displayed on click of "Save" button
28.	Add ability to group Prelogin group records in LABWORKS database	Added ability to group Prelogin group records in LABWORKS database
29.	Component Result Entry : "Save/Next" button that automatically brings up the next item	Result Entry application has been enhanced to navigate to next Sample/Analysis Code directly from Component Result Entry screen for Multi-Component Analysis
30.	UX Improvements	UX improvements have been implemented for Result Entry, Multi-Sample Login applications
31.	Login date request for Process Scheduler	A bug has been fixed so that in Process Scheduler the collection date is maintained as it is upon right-click on the samples to login.
32.	eWorksheet enhancements	eWorksheet application has been enhanced to support Excel Macros, pick up Sample List from QA QC Batch, import Sample Header information, prompt Audit Reason and eSignature
33.	SPECINFO/LABOBJSPECINFO TABLE	LABWORKS application has been enhanced to support SPECINFO table from previous versions
34.	Replicate Management - enhance audit trail capture	Replicate Management forms have been enhanced to capture more audit trail data.

35.	Analysis Maintenance - Load button size not consistent with other buttons	Analysis Maintenance Load from Analysis button size is enhanced to be consistent with other buttons
36.	LABWORKS Explorer - Apply Design Guidelines	Design guidelines have been applied to LABWORKS Explorer application to improve the usability
37.	DataViewer - miscellaneous improvements (feedback from 2017 User Conference)	DataViewer application usability has been enhanced by displaying the sample comments and by providing enhanced result sorting functionality
38.	NWA - Add option to plot RawResult	SQC application has been enhanced to display Raw Result in NWA chart based on the configuration
39.	ProcessScheduler - Improve Edit Schedule for large number of items	Performance of Process Scheduler - Edit Schedule functionality has been improved to support large number of items
40.	Batch Ownership	"My Templates" tab has been added in QA QC Batch Builder to provide a filtered view of templates for batch creation
41.	Trend Plot - Add option to plot RawResult	An improvement has been made for the user to select the Y axis label as Raw Result for the Trend Plot
42.	NGII QuantStudio 6 qPCR	NGII interface has been developed : QuantStudio 6 qPCR
43.	NGII Interface PKI Optima 7300 ICP	NGII Interface has been developed : PKI Optima 7300 ICP
44.	NGII Development - MASS DOH Sciex QTOF	NGII Interface has been developed : MASS DOH Sciex QTOF
45.	NGII Interface Thermo IC XLS	Added support for new interface: Thermo IC XLS
46.	NGII Interface CNL Mettler EasyDirect	NGII Interface has been developed : Mettler EasyDirect
47.	NGII Interface Waters Empower ARS	New NGII Interface developed: Waters Empower ARS Interface

What's New 6.8.5

Item:	Internationalization Support
Description:	A bug has been fixed where LocalText data in the translation table was being cut at 50 characters.

Item:	Pre-login group save: displays the list of existing ones to avoid duplication
Description:	On clicking Save Pre-Login group, we now automatically display loaded 'PreLogin group' in the drop down for PreLogin Group Name.

Item:	Entering QA batch data using a file
Description:	Documentation has been added to explain how to import QA batch data using a file.

Item:	Special Information Form for Analysis Code not functioning at Results Entry
Description:	A bug has been fixed where the special information form for analysis codes was not functioning in results entry.

Item:	Audit Trail reasons - back to newest at top
Description:	Audit Trail has been enhanced to sort by newest reason on top by default.

Item:	New QC Batching Display with Oracle DB
Description:	A bug has been fixed where some users would get a blank screen while trying to create a new QC batch in our new QC batch builder application.

Item:	Single Component Instrument Interface PR6 File with previous results
Description:	A bug has been fixed in PostResults6 where input files from single component instrument interfaces with records for multi results of samples were not being.

Item:	Update Mobile Sample Collector documentation with a troubleshooting section
Description:	A troubleshooting section has been added to our Mobile Sample Collector documentation to capture common connection errors.

Item:	Data imports via PostScr6 and PostMcr6 overwriting ANALYSIS table RADUEDATE & ADUEDATE fields
Description:	A bug has been fixed in PostScr6 and PostMcr6 where data imports from those applications were overwriting fields RADUEDATE and ADUEDATE of ANALYSIS

Item:	Applications get lost in the screen
Description:	A bug has been fixed where application screens would get lost in the screen when going from a multi-monitor setup to a single display setup.

Item:	Personnel Training FullTime/Part Time are inverted in the reports.
Description:	A bug has been fixed where full time and part time information was being erroneously reported in Personnel Training reports.

Item:	LABWORKS EXPLORER- Template Configuration\Sample Comments
Description:	LABWORKS Explorer has been enhanced to allow users to add sample comments to the grid view columns.

Item:	SQC Charts from COA not updated for NWA 6.2
Description:	SQC Charts from COA have been updated to work with NWA version 6.2.

Item:	PostResult 6 not posting RLTSOURCE to LABWORKS
Description:	A bug has been fixed in PostResults6 where it was not properly posting RLTSOURCE.

Item:	MOR report - add macro function similar to excel calculation setup
Description:	A macro function has been added to the MOR reporting tool.

Item:	LWDataServices - Scandaemon app not performing all Excel Calculations - United Soils
Description:	A bug has been fixed in 6.7 where Scandaemon was not performing all Excel Calculations.

Item:	ALLOW_CALC_RESULT_MANUAL_ENTRY function changes Undo
Description:	Manual data entry of CALC codes can now be locked out by setting SYSMGR key ALLOW_CALC_RESULT_MANUAL_ENTRY to 0.

Item:	DataViewer Copy (Ctrl+C) SampleID for further usage (CopyResult)
Description:	A bug has been fixed in dataviewer where the copy / paste sample id results was not working properly.

Item:	CRGEN and Mail List Max email recipients 9
Description:	CRGEN has been enhanced to increase the mail list limit from 9 to 100 email recipients.

Item:	My Preferences issue on LWDesktop Menu
Description:	A bug has been fixed where LWDesktop would not properly load or display the menu when configuring the user's Desktop menu under My Preferences.

Item:	Sample Collection App- Collection Date Picker
Description:	A bug has been fixed in the mobile sample collection app, where the system date/time would be used for the collection time instead of the selected date/time.

Item:	Sample Collection App- PS Status
Description:	A bug has been fixed where the process scheduler status for samples collected with the mobile collection app were not properly moved from "ready to collect"

Item:	Sample Collection App- Creating collection group in PS
Description:	Sample Collection App now allows users to select one or more location codes and provides a context menu for Sample Collection group creation.

Item:	Units with number in leftmost character position do not copy from analysis code to result entry
Description:	A bug has been fixed where units with number in leftmost character position would not copy from analysis code to results entry.

Item:	Possibility to have a default string result like "Not Detected" for single components analysis
Description:	It is now possible to specify a default result string (e.g. "Not Detected") for single component analysis.

Item:	Cross reference search for null value issue
Description:	Cross reference search has been enhanced to allow for more search functions like "does not contain".

Item:	Add reason to audit records for changes to analysis and location codes
Description:	Audit records can now be tracked for changes to analysis and location codes.

Item:	Cannot restrict document settings in "new" Sample Login
Description:	"LOGTEMPLATESETUP" privilege now applies to LABWORKS Reporting section of Sample Login Templates, meaning it is now possible to restrict document

Item:	Allow "Check all" option in dataviewer analysis list view.
Description:	Data Viewer now allows for better selection/view options in analysis list.

Item:	Personnel Training not filtering Result Entry
Description:	Results Entry has been enhanced so that analysts cannot enter data for analysis they have not been approved / certified for.

Item:	Allow selection of multiple analyses per trainee in Personnel Training
Description:	Results Entry has been enhanced so that analysts cannot enter data for analysis they have not been approved / certified for.

Item:	Personnel Training not filtering Result Entry
Description:	Added functionality to select multiple analysis per trainee using CTRL or SHIFT.

Item:	Multicomponent multiple partial result entry without result modify privilege
Description:	A new privilege has been added to control whether result merges (RESULTMERGE) can be performed while importing data using Multi Component Transfer.

Item:	Process Scheduler Assign analyst should be filtered according to Personnel Training data
Description:	Assign Analyst and Assign Instrument in Process Scheduler is filtered according to personnel training and Instrument Maintenance and Calibration data.

Item:	New Sample Login- Crashes after uploading collected group
Description:	A bug has been fixed in LWSampleLogin where it would crash while uploading a collected group from the Mobile Sample Collection App.

Item:	Replicate Management Enhancements
Description:	Replicate Management now posts replicate results even if some of the selected replicates contain a null value (the empty values are simply not taken into consideration during the post).

Item:	AutoLogin640 PQL Value Not Posting

Description:	A bug has been fixed in AutoLogin640 where the PQL value was not posting correctly.

Item:	PR6 Storing Calculated Results Bug
Description:	A bug has been fixed in PostResults6 where results were being posted but not calculated.

Item:	Sample Modify - Analysis Order
Description:	A bug has been fixed in Sample Modify where removing and adding samples, the analysis ordering would sometimes get mixed up when there were duplicate values for the same ANUM.

Item:	PROCESS SCHEDULER - PS status colors by analyses
Description:	Process scheduler status colors have been updated to use the updated color scheme for sorting by analysis.

Item:	Replicate Management - getting CALCFROMREP as custom result
Description:	Replicate management has been enhanced so that a tooltip message is displayed to the user and a message is logged to the error log when values under the MDL range are posted.

Item:	PostResults6 - silently closing when bad parameters are specified
Description:	PostResults6 has been enhanced to display an error message when bad parameters are detected.

Item:	PostResult6 - NORESULTCOND not applying if MDL is in CSV file
Description:	A bug has been fixed where if MDL was in CSV file, PostResults6 (running from scandaemon as service) with NORESULTCOND would compare result with MDL and if it was less than MDL it would not post raw data.

Item:	AutoQualifier6 returns the string "Null" after removing an illegitimate qualifier
Description:	A bug has been fixed where if a user entered an auto qualifier field in results entry and that value was not needed when applying autoqualifier6, then that value would be overwritten with null.

Item:	Enhance analysis reference input to use a picklist instead of a free form input
Description:	Analysis reference input has been enhanced to use a picklist instead of a free form input to reduce user error.

Item:	eWorksheet Operation Items - WYDEQ
Description:	Two bugs have been fixed in eWorksheets where data was not being properly stored / loaded, and some common excel functions would not work under certain circumstances.

Item:	Process Scheduler - Resources Tab - messed up display when different users have the same name
Description:	Process scheduler has been enhanced to better handle the display of different users with the same first and last name under the resources tab.

Item:	Replicate Management - Date set from policy to 12/30/1899
Description:	A bug has been fixed in replicate management where the replicate date set from policy was defaulting to 12/30/1899.

Item:	PS Sample Login limit the Coll Date to calendar input
Description:	LWSampleLogin has been enhanced to allow admins to limit the collection date to calendar input to minimize the risk of wrong date entry by using VALID_DAYS_BACK and VALID_DAYS_FORWARD setup parameters.

Item:	Issue with displaying PQL in Results Entry
Description:	A bug has been fixed where if MDL was in CSV file, PostResults6 (running from scandaemon as service) with NORESULTCOND would compare result with MDL and if it was less than MDL it would not post raw data.

Item:	PostResult6 - NORESULTCOND not applying if MDL is in CSV file
Description:	A bug has been fixed in Results Entry where PQL would only display the first 8 characters instead of its full length string.

Item:	Replicate Management - enhance audit trail capture
Description:	Replicate Management forms have been enhanced to capture more audit trail data.

Item:	Bug found during Testing of ALLOW_CALC_RESULT_MANUAL_ENTRY function changes Undo
Description:	Yellow colour not displayed on Result Entry screen for components (dependent analytes) having pending replicate inputs

Item:	Error Log growing very fast
Description:	A bug has been fixed in ExpSpr2XLS application where it was causing the error log to continuously grow due to an infinite loop in the code.

Item:	KY - LABWORKS 6.8 - Right Click Pop Up Menu in Result entry
Description:	A bug has been fixed where certain right click menu items in results entry were not properly being triggered.

Item:	OPCEXP6 ability to export non numeric results
Description:	OPCEXP6 has been enhanced to allow for export of non numeric results.

Item:	Stepped Query Privileges Not Enforced in Results Entry
Description:	A bug has been fixed in results entry where stepped query privileges were not being properly enforced.

Item:	Allow Export of eWorksheet history to Excel
Description:	It is now possible to export eWorksheet history to Excel so data can be externally audited.

Item:	PostResults6 - Report all not including all components when $CODE datafile doesn't include all components
Description:	A bug has been fixed in PostResults6, where report all would not include all components when $CODE data file didn't include all components.

Item:	Analysis assignment window does not properly resize
Description:	Analysis List did not occupy the real estate when bottom grid was collapsed

Item:	"Define QA Analysis" ToolTip does not disappear till "QA Parameter Group Definition" window is closed.
Description:	Wait function for "QA Parameter Group Definition" window launch from Analysis Maintenance application was removed, so that the tool tip disappears after "QA Parameter Group Definition" window launch.

Item:	Process Scheduler allows sample deletion without deletion privileges
Description:	A bug has been fixed in Process Scheduler, where it was not honoring the sample deletion privileges under certain usage scenarios.

Item:	Right click once doesn't display menu, need to click twice.
Description:	A bug has been fixed in Dataviewer, where right click wasn't working to the analyte menu for analytes under Multi Component.

Item:	PR6- For invalid DB name in command, Stack overflow exception is displayed instead of correct error message on command line.
Description:	A bug has been fixed in PostResults6 where the application would fail with a stack overflow

	exception error when an invalid DB name was provided.

Item:	Sample Collection App- Uploading Results Failing
Description:	A bug has been fixed in Process Scheduler, where it was not honoring the sample deletion privileges under certain usage scenarios.

Item:	QA/QC batching custom statuses - add analysis validation rules
Description:	Administrators now have more control over transition rules to custom QA/QC batch statuses (e.g. batch status depends on sample and / or analysis statuses to match a certain state criteria).

Item:	CRGEN EXPORT_REPLACE function Issue with Commas in Field
Description:	A bug has been fixed in CRGEN where CRGEN's EXPORT_REPLACE function did not allow for commas in field.

Item:	Sandia Not Saving Comments Edited in Validation Module with 6.8/Oracle
Description:	A bug has been fixed in the validation module where comments were not being properly saved.

Item:	6.8 Results Entry Performance
Description:	A performance issue has been resolved in results entry, where load and save times had degraded upon 6.8 release (caused by the introduction of AREF lookups and replicate management).

Item:	LWDataViewer errors on Launch with Custom Specifications Defined
Description:	A bug has been fixed where LWDataViewer would refuse to open if the database had custom specifications.

Item:	SampleLogin - Load Prelogin Group needs to update analysis information
Description:	SampleLogin has been enhanced so that, when loading the prelogin group, details for the analysis are loaded from the current definition and not the saved group.

Item:	NGII Configurator Load Performance
Description:	NGII Configurator load performance has been enhanced.

Item:	PS status colors: Bright White as font color is not correctly displayed instead black is displayed. Also Legend's color doesn't match with configured color
Description:	A bug has been fixed in Process Scheduler status colors where bright white fonts were being displayed in black and legend color definition was not being honored.

Item:	eWorksheet Available Samples Issue
Description:	A bug has been fixed in eWorksheets where samples could not be added again after they were added to an eWorksheet that was deleted.

Item:	Result Entry- Editable Raw Result
Description:	Results entry has been enhanced to let users edit raw results when they have the necessary privilege to do so.

Item:	Modify Last Alphabetical Component Result after Posting with PR6
Description:	A bug has been fixed where editing the last alphabetically sorted component in the RESULT table after uploading data with PR6 resulted in an error.

Item:	6.8 Oracle Script for Anl_list.aref wrong
Description:	The 6.8 Oracle schema update script has been enhanced to better handle AREF changes during the 6.8 upgrade.

Item:	NGII Engine Enhancement - Support multiple records for same sample in a single input file to be considered as replicates
Description:	NGII Engine has been enhanced to allow for turning multiple records for same sample in single input file into replicate data.

Item:	QA/QC batch & Result Entry template: possibility to order samples by BATCHSAMPS. BATCH_NAME, BATCHSAMPS.BATCH_INDEX
Description:	A configuration parameter has been added to define the sorting order of QA/QC batches in results entry templates (by sample id vs by QA/QC batch order).

Item:	CNL New Sample Login Col Date Bug for Canadian-English Date/Time Format
Description:	A bug has been fixed where collected date was being stored and displayed in the wrong format.

Item:	Calculating Results where input variables are in scientific notation format
Description:	A bug has been fixed where calculating results came from input variables in scientific notation format, the analysis result would be incorrectly set to ND.

Item:	Search Function in Results Entry Spreadsheet not Working
Description:	Search function (ctrl f5 shortcut) has been returned to results entry data entry, so users can easily find sample ids for quicker data entry.

Item:	Replicate Management - Bad vertical axis when using floats
Description:	User experience has been enhanced in replicate management form to more elegantly plot the vertical axis representation of high ranges between min and max values of replicates.

Item:	QA Batch Workflow Management Issue
Description:	A bug has been fixed in the QA Batch Workflow Management, where batches would get reported with a draft state instead of the expected pending state.

Item:	When parsing results for elements that have multiple isotopes. The second element isotope result is being doubled
Description:	Bug fixed when parsing results for elements that had multiple isotopes, the second isotope result would be doubled.

Item:	Result Entry import of PostResult6 CSV format does not import dates/times
Description:	An issue has been resolved in issue in the Legacy interface for instrument type PR6 (.CSV) (Lwbz107_6.exe). When input PR6 file contained no data in last comment, the interface would not load results for the analysis.

Item:	COA Headers erasing in database when editing header cells/custom forms
Description:	A bug has been fixed where Excel COA form fields would come up blank in the UI and then get overwritten as blank during a save.

Item:	LWMultiComponentTransfer does not parse file which contains single quote in File name.
Description:	Bug fixed where LWMultiComponentTransfer was not properly parsing files with single quotes in filename.

Item:	Spec Info Tab Order
Description:	A bug has been fixed where the Spec Info form tab order was not being honored as defined in the designer.

Item:	AutoQualifier Bug in 6.8
Description:	AutoQualifier logic has been revised and improved.

Item:	Sample Collection App - login record file being lost after receiving collection group
Description:	A bug has been fixed where the login record file was being lost after receiving samples back at the lab from the mobile collection app.

Item:	Standard calculations do not complete but Excel calculation with same formula work
Description:	A bug has been fixed where standard calculations were not being properly calculated.

Item:	QC Batch Error with ColDate Displayed
Description:	A bug has been fixed where the QC batch template would not display samples if one of the columns was "Collection Date" or "Submit Date".

Item:	POSTRESULTS6 exporting result file source using Excel format
Description:	POSTRESULT6 has been enhanced to allow for importing of the RLTSOURCE field when processing excel files.

Item:	LABWORKS calculations not firing and slow down loading result entry.
Description:	A bug has been fixed where LABWORKS calculations were not properly firing and result entry was loading very slow.

Item:	Process Scheduler - can't read white on yellow
Description:	A bug has been fixed in Process Scheduler where some white text was being displayed on top of a yellow background, making the data unreadable.

Item:	ExportData only works with one attached object
Description:	A bug has been fixed where ExportData was only exporting with one attached object.

Item:	Newly created Batch is in NULL status. Workflow Architect has no such status.
Description:	A bug has been fixed where newly created QAQC batches would end up with a null status after they were created.

Item:	Sample Modify Due Time Issue
Description:	A bug has been fixed in Sample Modify where it was not properly saving due time updates.

Item:	Postresults6 not firing Excel calculation
Description:	A bug has been fixed in PostResults6 where it was not properly firing Excel calculations.

Item:	Allow users to set Process Scheduler initial status from new sample login
Description:	It is now possible to set Process Scheduler initial status from LWSampleLogin.

Item:	In current 6.8 update, I see records for eWorksheet workflow, but they don't show up in Workflow Architect.
Description:	A bug has been fixed in Workflow Architect, where eWorksheet workflow template was not showing up in architect.

Item:	Certain LABWORKS Calculations Do Not Calculate and Forces Module Into Not Responding
Description:	A bug has been fixed in 6.8.0.318, where certain LABWORKS calculations were not triggering and the analysis maintenance module would stop responding during configuration of calculations.

Item:	Analysis calculation with a zero value
Description:	A bug has been fixed where a zero calculation caused Labworks calculations not to run.

Item:	CAS Number (CASN) Field Not Exporting
Description:	A bug has been fixed where the CAS number was not being properly exported when exporting samples or generating crystal reports.

Item:	New Sample Login # Tests Due Date Not Populating
Description:	A bug has been fixed where #test due dates was not properly being populated.

Item:	COA - Limit COA History Range
Description:	COA Application supports new INI Entry, CUST_BASE_HISTORY_DAYS = When this value is in place, the COA History is limited to this date range.

Item:	Standard Calculation Issue
Description:	A bug has been fixed where standard calculations were sometimes failing and processing very slow.

Item:	Replicate Management - Multi Component Transfer replicate conflict resolution
Description:	A bug has been fixed when importing replicate data from multi component transfer, the analyte is not being calculated with the replicate's policy

Item:	LWSampleLogin - analysis assignment window does not properly resize
Description:	A bug has been fixed where analysis assignment window not having scrollbar on LWSampleLogin application.

What's New 6.8

Item:	Replicates Support
Description:	LABWORKS now includes support for replicate datasets. Record multiple datapoints, graphically analyze the data and set up policies to act on the data.

Item:	Cross Reference Search Location Codes selection when LocDescr contains " fails
Description:	Cross Reference Search now accepts using " (quotes) in LocDescr field.

Item:	Do not allow saving owner group names with embedded space(s)
Description:	OwnerGroup names now allow for embedded spaces.

Item:	POSTRESULT6 divide by zero error with standard calculation
Description:	Fixed "divide by zero" error with standard calculation in PostResult6

Item:	PR6 100% CPU when processing input file
Description:	Fixed condition in PostResults6 where it would hit 100% cpu utilization when processing certain input files.

Item:	SAMPLE MODIFY- ANUM ISSUE
Description:	Small bug has been fixed where ANUM did not properly update when users removed and added analysis to samples.

Item:	Invoicing behaviour changed, wait's for each to print
Description:	Reverted invoicing behavior so that it isn't necessary for the user to wait for report to print before continuing.

Item:	Process Scheduler not allowing use of all sample statuses
Description:	Known issue: an incorrectly setup .ini can keep users from managing samples in different statuses. To fix, a valid Labworks.ini file must be used.

Item:	SAMPSELCOMP640 LB list with last line not fully displayed leading to scroll down instead of select
Description:	Fixed small bug in sampleselComp640, where clicking the last item was resulting in a one line scroll instead of selecting the item.

LABWORKS

Item:	LWLicenseManager - problem with dashes in ctl filename
Description:	License Services now generate an actionable error message when a bad license filename is detected.

Item:	PostResults6 Calculations: "Mod date" for result updated when result for analysis not included in Calculation is updated
Description:	PostResults6 issue in LABWORKS 6.7 has been fixed where the "Mod date" for the result was being updated when result for analysis is not included in Calculation.

Item:	LoginOwner6.exe Not Working with v6.6
Description:	Error 13 on post login program LoginOwner6.exe has been fixed.

Item:	Process Scheduler Field Mappings to PSLogin and PSEdit
Description:	Process Scheduler user defined fields were not being displayed and recorded when logging samples from Process Scheduler using the PS Login program.

Item:	PostResults6 Calculations execute when no new data is uploaded
Description:	Bug in LABWORKS 6.7 where PostResults6 calculations would execute when no new data was uploaded has been fixed.

Item:	I18NTables.xsp not properly populated for non latin characters (Russian- Japanese...)
Description:	I18NTables.xsp service pack has been enhanced with non-Latin characters (e.g. Russian, Japanese, ...).

Item:	AutoQualifier Issue and Bottle Codes Null data to RESULT table at SARA LW 67
Description:	Bug where AutoQualifier was posting null bottle code data to results table in LABWORKS 6.7 has been fixed.

Item:	PostResult6_RLTSOURCE: "POSTMCRO" file containing double quotes converted to .bad file
Description:	A bug has been fixed where, when "POSTMCRO" file format contained double quotes, the data file was not being properly converted to .bad file. Also, "results" and "RItsource" values were not being posted for sample.

Item:	PS Service - Samples created without Login Batch
Description:	A bug has been fixed in LABWORKS 6.7 where samples were being created without a login batch when logged through Process Scheduler Service's scheduled auto-login feature.

Item:	QA Batch - Changing the QA sample in the QA Batch builder reassigns QA sample to all samples
Description:	Fixed a bug when changing the QA sample in the QA Batch builder reassigned QA sample to all samples when it should only assign to one.

Item:	Sample Modify: Issue related to "Due time" from Sample Modify application
Description:	A bug has been fixed where "Due time" was not being properly calculated for new tests based on configuration for "Hours" in analysis code (ACODE).

Item:	Multi-Sample Login: Due Time not calculated when "Hold Hrs and Mins" added from analysis maintenance application
Description:	Due Time was not being calculated correctly when "Hold hrs and mins" were added from analysis maintenance application.

Item:	NGII PMDMicroDist: Time displayed in "Result table" not displaying Sec "00.000" part when format is "hr:min:sec.000" in the file
Description:	Time displayed in "Result table" was not displaying "Sec.00.000" part when format is "hr:min:sec.000"

Item:	Process Scheduler Download samples from calendar
Description:	A bug has been fixed where samples could not be downloaded from Process Scheduler's

	calendar.

Item:	LWDesktop - menu not copied on user clone
Description:	A bug has been fixed in LWDesktop where user menus were not properly being copied when cloning a user.

Item:	Specifications Checking
Description:	A bug has been fixed where results entry was not properly flagging specification violations.

Item:	Sample Modify User Defined Field Date Time Issue
Description:	A bug has been fixed in sample modify where the field width was being set to 19 for user defined fields of data type DateTime.

Item:	Sample Due Date Time Not Calculating Time LW 6.7 MultiSample Login
Description:	A bug has been fixed where the sample due date was not calculating the time part on multi sample login.

Item:	Multi-Sample Login: Due time not calculated when sample logged In after opening and closing "INI Editor" application from desktop
Description:	A bug has been fixed in multi-sample login where due time was not calculated when sample logged was in after opening and closing "INI Editor" application from desktop.

Item:	QAQC Batching modifying Analysis Price
Description:	Issue in LABWORKS 6.6 where QAQC batching was modifying analysis price has been solved.

Item:	Prelogin groups from 6.5.762 can't be loaded into 6.7
Description:	Prelogin groups created in version 6.5 would not work in version 6.7 after an upgrade due to the addition of a mandatory new field RHOLDDAYS in version 6.7.

Item:	New Sample Login Group Test Code Analysis Number Issue
Description:	A bug has been fixed where the group test orders in new sample logins were not being preserved.

Item:	Results Entry Display Calculated Results for Tests Not Ordered on Sample
Description:	A bug has been fixed where Results Entry Display was calculating results for tests not ordered on the sample.

Item:	PS Service unable to launch programs
Description:	A bug has been fixed in Process Scheduler where it would not launch programs when running as a service.

Item:	Sample Modify 200 sample limitation
Description:	A bug has been fixed in Sample Modify where it would refuse to load the spreadsheet when a very large number of samples was selected.

Item:	Sample Modify crashes when analysis count too high
Description:	A bug has been fixed in Sample Modify where it was causing the application to crash when modifying a very large number of analysis.

Item:	Failure to update [BATHEAD] after change in Control Sample assignment in new QAQC Batching tool
Description:	Fixed bug in 6.6 where [BATHEAD] field failed to update after change in Control Sample assignment in new QAQC Batching tool

Item:	CRGEN - LWLaunchCrys64 MDB file extension issues
Description:	A bug has been fixed where CRGEN was only supporting .MDB extensions when generating reports with crystal reports versions other than XI.

Item:	Reporting User defined specifications for multi-component carries over from previous acode
Description:	Added new SYSMGR Entry, REPORT_USE_FIRST_MC_SPEC Type Boolean. When true, for a pending Multicomponent analysis, the program will use the specifications from the first analyte.

Item:	Menu Configurator crashes
Description:	Menu Configurator has been enhanced to gracefully handle corrupt menu data.

Item:	Cannot click on MLT files in Multi Sample Login. Can type in template name and load it.
Description:	A bug has been fixed in Multi Sample Login where it was keeping the user from selecting from available MLT files.

Item:	Process Scheduler service not printing BarTender labels
Description:	A bug has been fixed in Process Scheduler where it would not properly print BarTender labels when running as a service.

Item:	Analysis Comments exported as 0 in ACMT when "Analysis Comments" are selected in the CEF
Description:	A bug has been fixed where analysis comments were being reported as "0" in "ACMT" when "Analysis Comments" were selected in the CEF.

Item:	lwwEditCEF6.exe loses control when minimized
Description:	A bug has been fixed in LWWEditCEF6.exe, where it could not be restored after being launched from LWDesktop and minimized.

Item:	Process Scheduler By Analysis incorrect filtering
Description:	A bug has been fixed in Process Scheduler where it was requesting the user for an ADEP selection instead of an ACODE one when clicking on the suspension points button.

Item:	ScanDaemon Service doesn't process file if user temp path is Windows location
Description:	A bug has been fixed in ScanDaemon Service where it was not properly processing NGII instrument files if user temp path was set to the Windows temp location.

Item:	eWorksheet Post Results File - Comma and Quote Delimited
Description:	eWorksheet Post Results File format has been enhanced to delimitate fields with quotes when needed.

Item:	NGII Interface dll Security Issue
Description:	An internal configuration parameter has been changed to fix an NGII Interface dll security error message that kept NGII interfaces from running under certain Microsoft Windows security policies.

Item:	Process Scheduler Service - Logbatch grouping not same as desktop
Description:	A bug has been fixed in Process Scheduler where it would log each PSID/Group in its own log batch when running as a service.

Item:	6.8 Beta Feedback - Privileges issue
Description:	A bug has been fixed in LWDesktop's CONFIGDESKMENU privilege assignment screen.

Item:	6.7.0.233 internal calculation issues
Description:	A bug has been fixed (LABWORKS build 6.7.0.233), where internal calculations where not properly triggering on results entry.

Item:	Internal calculation engine order of precedence different between setup and result entry
Description:	A bug has been fixed where the internal calculation engine order of precedence was different between setup and result entry.

Item:	PR6 File Import Results Entry -Existing Results Screen

Description:	A bug has been fixed where data was not being displayed correctly in PR6 when resolving import conflicts.

Item:	Internal calculation engine order of precedence different between setup and result entry
Description:	A bug has been fixed where the internal calculation engine order of precedence was different between setup and result entry.

Item:	PR6 File Import Results Entry -Existing Results Screen
Description:	A bug has been fixed where data was not being displayed correctly in PR6 when resolving import conflicts.

Item:	Single Component Instrument Interface PR6 File with previous results
Description:	A bug has been fixed in PostResults6 where input files from single component instrument interfaces with records for multi results of samples were not being displayed correctly.

Item:	Loc List Maint – modified loc code blanks out the tree view. Should behave as Anl List Maint
Description:	Improved Location List Maintenance application so the navigation tree in the left no longer collapses when changes are made to a location code.

Item:	AENT not correctly exported for reporting while AEND is OK
Description:	A bug has been fixed where when the fields ZEND and AENT were exported for a report (export report) the date would be correctly exported but the time was being incorrectly set from the analysis level.

Item:	Sample modify field width truncation inherited from 6.6 or earlier database
Description:	A bug has been fixed where Sample Modify field truncation could be inherited from previous database versions.

Item:	Sample Login Copy Paste analyses doesn't seem to be recognized
Description:	A bug has been fixed during the copy / paste of multiple analysis in LWSampleLogin.

Item:	PostResult6 not importing all values (results and MDL) from files
Description:	A bug has been fixed in LABWORKS 6.7 where PostResults6 wasn't properly importing some input values (like dilution factor and MDL).

Item:	Updatetool Error on Oracle DB
Description:	A bug has been fixed in LABWORKS's migration tool where it would fail while updating the SamPreLoginGrp table in Oracle based systems.

Item:	Process Scheduler as Service Not Adding Every X Hr Timed Group samples
Description:	A bug has been fixed where Process Scheduler Services was not adding timed group samples every custom hour interval.

Item:	6.8 Beta Feedback - LWLogin Mail list selector
Description:	LWLogin has been enhanced to allow for sorting of data and keep selections between searches.

Item:	Localization Support - regional settings issue with decimal delimiter
Description:	LABWORKS now supports regional settings for decimal delimiters.

Item:	LWSampleLogin - Selection of label formats not correct
Description:	A new label configuration type (3) has been added to LWSampleLogin.

Item:	QA Batching completed tests not working
Description:	A bug has been fixed where the QA batching application returned "no samples selected" if creating a QA batch with completed samples.

Item:	Sample Modify - Calculating Due Times for New Tests Added
Description:	A bug has been fixed where sample modify would default a due time to 23:59 when adding a new test.

Item:	Sample Modify: "Due time" for existing analysis not displaying based on "submittal date" but displaying based on collection date
Description:	A bug has been fixed in Sample Modify where due time was not been properly displayed.

Item:	LABWORKS 6.6 BATSAMPS not updating when adding samples to existing batch
Description:	A bug has been fixed in LABWORKS 6.6 where BATSAMPS was not updating when adding samples to an existing batch.

Item:	Multi Sample Login will login sample but not the sample's analysis order
Description:	A bug has been fixed in Multi Sample Login where it was not logging the sample with its submitted analysis order.

Item:	Multi Component Transfer does not import Start Date, End Date, Analyst and Unit
Description:	A bug has been fixed where Multi Component Transfer was not properly importing Start Date, End Date, Analyst and Unit properties.

Item:	LWExplorer Display History extracts only the "One Sample Point" data, even in All Sample Points
Description:	A bug has been fixed in LWExplorer where the Display History feature would only extract one sample point of data, even when browsing all sample points.

Item:	PR6 not importing POSTMCRO text files if multicomponent names contain quotes
Description:	Fixed a bug where PR6 was not importing POSTMCRO text files if multicomponent names contained quotes.

Item:	6.7.0.150 POSTRESULTS6 POSTSCRO import ASTATUS failure
Description:	A bug has been fixed where ASTATUS value was not being properly imported when using POSTRESULTS6 and POSTSCRO to import data.

Item:	PR6 Storing Calculated Results Bug
Description:	A bug has been fixed in PostResults6 where results were being posted but not calculated.

Item:	PostResult 6 not posting RLTSOURCE to LABWORKS
Description:	A bug has been fixed in PostResults6 where it was not properly posting RLTSOURCE.

Item:	Data imports via PostScr6 and PostMcr6 overwriting ANALYSIS table RADUEDATE & ADUEDATE fields
Description:	A bug has been fixed in PostScr6 and PostMcr6 where data imports from those applications were overwriting fields RADUEDATE and ADUEDATE of ANALYSIS table.

Item:	NGII Interface CNL Mirion GPC Eclipse
Description:	Added support for new interface: CNL Mirion GPC Eclipse

Item:	NGII Interface AntonPaarNIR
Description:	Added support for new interface: AntonPaarNIR

Item:	NGII Interface CNL Mirion GPC APEX
Description:	Added support for new interface: CNL Mirion GPC APEX

Item:	NGII Interface NIRT
Description:	Added support for new interface: NIRT

Item:	NGII Interface NIRT Win7
Description:	Added support for new interface: NIRT Win7

Item:	NGII Interface CNL PE 4810 LSC2 Quantismart
Description:	Added support for new interface: CNL PE 4810 LSC2 Quantismart

Item:	NGII Interface PacOptidist
Description:	Added support for new interface: PacOptidist

Item:	NGII Interface CNL Mirion Gamma1 Genie 2000
Description:	Added support for new interface: CNL Mirion Gamma1 Genie 2000

Item:	NGII Interface CNL Teledyne Tekmar TOC Fusion
Description:	Added support for new interface: CNL Teledyne Tekmar TOC Fusion

Item:	NGII Chromeleon .XLS File
Description:	Added support for new interface: Chromeleon

Item:	NGII Interface NIR
Description:	Added support for new interface: NIR

Item:	NGII Interface PMDMicroDist
Description:	Added support for new interface: PMDMicroDist

Item:	NGII Interface GCGasAnalyzerGalaxie
Description:	Added support for new interface: GCGasAnalyzerGalaxie

Item:	NGII Interface SimDist
Description:	Added support for new interface: SimDist

Item:	NGII Interface OxygenatesMassHunter
Description:	Added support for new interface: OxygenatesMassHunter

Item:	NGII Interface AromaticsMassHunter
Description:	Added support for new interface: AromaticsMassHunter

Item:	NGII Interface AntonPaarViscosity
Description:	Added support for new interface: AntonPaarViscosity

Item:	NGII Interface SETA_PM93_Flashpoint
Description:	Added support for new interface: SETA_PM93_Flashpoint

Item:	NGII Interface AntonPaarDMA
Description:	Added support for new interface: AntonPaarDMA

Item:	NGII Interface AstoriaPacificFASPacII
Description:	Added support for new interface: AstoriaPacificFASPacII

Item:	NGII Interface DHACompass
Description:	Added support for new interface: DHACompass

Item:	NGII Interface CNL Hidex LSC3 Microwin
Description:	Added support for new interface: CNL Hidex LSC3 Microwin

What's New 6.7

Item:	ResultUnits not available for XLCalculation input or output
Description:	Excel Calculations in LABWORKS Now support Analysis Units for Export and Import

Item:	CUST-RPT: Bug - LWExplorer DotNet, to not have the first row in results appear to be selected
Description:	LWExplorer doesn't highlight the first row of results after selecting a sample. Previously, with the first row of results contained a specification violation, the row being highlighted would not show the violation color.

Item:	CUST-RPT : Bug - To compile/configure Single and Multi-Sample login pages to load when bartender isn't installed
Description:	LABWORKS Webtop can be install without Bartender Installed on the server. If the LABWORKS Webtop isn't going to be using Bartender for printing labels, Bartender doesn't need to be installed.

Item:	Cust-RPT: Bug- PR6 built-in calculation not performing as expected
Description:	PostResults6 has been enhanced for better performance and has issues related to Calculations and Rounding fixed. There were Labworks Calculations that without parentheses, the order of calculation wasn't as expected. Specific configurations on Rounding would generate and error, Object Reference not found.

Item:	CUST-RPT: LWLicenseManager-LW
Description:	LWLicenseManager wouldn't display license information if the program folder was read only. LWLicenseManager was attempting to create a temporary file in the program folder. The program has been changed to not required a temporary file.

Item:	CUST-RPT: Bug - When clientapp.config isn't configured correctly Cancel button should close desktop
Description:	During installation, client setup the client copies the Clientapp.config file to the workstation program folder. Under some security settings, this file copy fails. When the Client starts up, there is now better error logging to help troubleshoot this situation.

Item:	LocList - Single quote in analysis description causes error in save resultspecs
Description:	Single quotes in analysis name/description used as specifications for a location code caused errors when saving the location code.

Item:	CUST-RPT: Bug- LWSample Login due date not updating
Description:	When using Fill Down to enter sample dates, collection or submittal, the due date didn't recalculate.

Item:	ResultsEntry and MCXFer using PR6 format won't load results if AnlName <> AnlAbbr
Description:	ResultsEntry loading results from a PostResults6 formatted file wouldn't load values if the Analyte Name wasn't equal to the Analyte Abbreviation.

Item:	ResultsEntry - Detailed edit, changing the DL back to 1 doesn't update calculated MDL
Description:	ResultsEntry when changing the Dilution Factor back to 1, the MDL values didn't update/recalculate.

Item:	PostResults6 - If file contains RDLF, then RMDL/RPQL are ignored and analysis MDL/PQL are used

Description:	PostResults6 when reading a data file containing RDLF (Result Dilution Factor) the imported values for RMDL/RPQL were ignored and the analysis MDL/PQL were used.

Item:	LWLaunchCrystal64 doesn't permit SelectionCriteria embedded in the report
Description:	Crystal Reports when SYSMGR CrystalVersion <> "XI", Sample Selection Criteria in the report was being ignored.

Item:	Barcode Type 8 Missing
Description:	Bartender Label Type 9 has been added. Type 9 Generates label data, when SYSMGR/USE_CONTAINER = TRUE, there is one label for each Container, with the analyses for each container based on BOTTLELIST References.

Item:	ResultsEntry manually entered date/time not using current value
Description:	ResultsEntry when entering results manually, the default behaviour is to use copy the time from one manual entry to the next. Using a new LABWORKS.INI/SpreadResultsEntry value, RESULT_TIME_USE_CURRENT = YES, each entered value gets the current date/time for its result.

Item:	Backlog format defaults to 5.8 format
Description:	BackLog when generating a backlog report, the default format was Labworks 5.8 format. The default format is now Labworks 6.X format which matches fields better with PostResults6 uploading.

Item:	CUST-RPT: Bug- After Sample login userfield values do not match with the defined sample order/sequence
Description:	LWSampleLogin: Sample list after login was displaying in a different order than the user created.

Item:	CUST-RPT: QA Batching error in SIMC
Description:	QAQC Batching: Under certain configurations creating a QAQC Batch was generating an error with SIMCServer.dll.

Item:	Multisample Login not enforcing privilege for instrument/analyst selection
Description:	Multisample Login: The privilege for Assigning Instrument and Assigning Analyst weren't properly enforced.

Item:	COA - Evaluation of spec when >< includes non-numeric fails
Description:	Certificate of Analysis has been enhanced to evaluate specifications when result values container > or <.

Item:	Autoqualifier6 - Multicomponent evaluation carry over from one analyte to the next
Description:	AutoQualifier: When using AutoQualifier with multi-component analyses, the Qualifier would carry over to other Analytes.

Item:	QAQC Batch Builder- No error message if analyte in file does not exist in template but included in sample
Description:	QAQC Batching: Running new QAQC Batching from ProcessScheduler had errors

Item:	LWSampleLogin: On "Analysis Assignment" window study group analysis display blank row when any analysis above that analysis is deleted
Description:	LWSampleLogin: Assign Analyst user interface has been fixed to resolve an issue when analyses are added and removed and a blank row is displayed.

Item:	DataViewerGTV: All sample points are not plotted on graph on "History Comparison"

	window
Description:	DataViewer: When doing history comparison not all data points were being displayed, only the last value.

Item:	DataViewerGTV: Det Limit and Analyst column value not correct on History Comparison form
Description:	DataViewer: Corrected display of Detection Limit and Analyses in History Comparison display.

Item:	LWSampleLogin: Spec_Info form saving data on 'Cancel' and 'X' button click
Description:	LWSampleLogin: Special Info edits were being saved even though user presses Cancel/X on Special Info edit window.

Item:	DV-Select_Deselect : On date change child level components gets selected in tree view
Description:	DataViewer: When changing start and end date, Analysis codes were automatically being selected.

Item:	Analysis List Maintenance: Paste operation is not performed on double click in cell and paste specification value
Description:	AnalysisListMaintenance: Added support to paste Analyses from an Excel.

Item:	QAQC: Do not display QA analysis in "Selected Sample" after Assigning QC samples
Description:	QAQCBatching: Corrected an issue of not updating analyses when changing the selection of the QA Sample.

Item:	Bug-Verification: XReference not searching samples while searching comments with "[" character included in comments
Description:	Cross Reference Search: Added support to search for comments containing "[" character.

Item:	CUST-RPT : Bug - New logged In sample not showing in WebTop explorer because of date format
Description:	Webtop: Corrected issue of newly created sample not displaying in Web/LWExplorer.

Item:	CUST-RPT: Bug- LWSample login application hangs on selection of 'Fill Down w/Increment' when date format is D/M/YYYY
Description:	LWSampleLogin: Improved support for non-US data formats. When using Fill Down on LWSample Login, the application would hang.

Item:	Add Hold Time violation to ExceptionTrail
Description:	Exception Trail: Add search for hold time violations.

Item:	ReportNumber - Add Global Report Numbering
Description:	Reporting: Added global Report Number. Unique report number can be included on Crysta/Access/Exported data.

Item:	CUST-RPT: Bug- In Data Viewer Save Filter not saving filter criteria for component within multi component analysis
Description:	DataViewer: Corrected saving filter issue that individual analytes for multi-component tests not saving properly.

Item:	CUST-RPT : Bug- Display of test code when adding a special QA sample to the sequence

Description:	QAQCBatching: When adding special QA sample, analyses for special sample were being displayed.

Item:	CUST-RPT: Bug- To select different templates requires the PRIV to modify templates
Description:	LWSampleLogin: Wrong privilege for modify templates was being enforced. Correct Privilege is LOGTEMPLATESETUP

Item:	CUST-RPT: Bug- Analysis and Location ownership not working at the trusted group level
Description:	AnalysisLIstMaintenance: Correct issue with nested ownership not evaluating properly.

Item:	CUST-RPT: Enhancement- DMR - NetDMR enhancement to name CSV file
Description:	DMR: Enhancement - each NetDMR CSV file creation uses a unique file name.

Item:	CUST-RPT: Bug-Sample Login- LABOBJMAILLIST item not recording the PRIMARY field when creating the sample record
Description:	LWSampleLogin: MailList PRIMARY field wasn't being saved.

Item:	CUST-RPT: Bug- Order of ACODES from #GROUP are being added to the sample in Alphabetical Order
Description:	LWSampleLogin: Order of analyses from #GROUP was alphabetical, should be same order as #GROUP

Item:	CUST-RPT: Bug- Sysmgr – PSUPDATETIME
Description:	ProcessSchedulerService: Service wasn't updating PSUPDATETIME so users would get message "NO MASTER"

Item:	LWPostResults6 library reference wrong
Description:	LWPostResults6: Fixed problem with program reference to 6.3 library. Updated to 6.6 library.

Item:	ResultsEntry for Multicomponent doesn't use ACODE default MDL for Analytes that don't have MDL Defined
Description:	ResultsEntry: When loading data for multi-component results, if the uploaded data file doesn't contain MDL and there are no Analyte specific MDL's, the root level MDL wasn't being used.

Item:	ResultsEntry - PR6 upload missing fields
Description:	ResultsEntry: Enhanced ResultsEntry PostResults6 file import to support additional fields.

Item:	ProcessScheduler - Using calendar to add sample, due date unexpected
Description:	ProcessScheduler: Manually adding samples to calendar would calculate unexpected date/time for sample. Repeatedly adding samples to the same day would cause incorrect date calculation.

Item:	Search Results, Comments: XReference not searching correct results and comments while searching with space in text
Description:	Cross Reference Search: Added ability to search Results field.

Item:	LW Diagnotstic Tool: "Diagnostic Tool" application displays status of service running when machine name is wrong
Description:	LW Diagnostic Tool: Incorrect error when Server name not found.

Item:	LWDataViewer: GTV graph display two different graphs on selecting same analysis and its result

Description:	LWDataviewer: Adding the same data more than once to Graphical Trend Viewer adds a second chart instead of updating.

Item:	CUST-RPT : Enhancement : Add DOCREFDELETE privilege to XSP
Description:	Document Reference: Added ability to remove Document References. New Privilege DOCREFDELETE

Item:	CUST-RPT:Enhancement- Provide column sorting on DataViewer main grid along with Sample Number
Description:	LWDataviewer: Added ability to sort on any header field.

Item:	CUST-RPT: Bug- Dataviewer export to excel, the values are going to excel as strings
Description:	LWDataviewer: Corrected issue when exporting to excel and values exported as strings instead of numbers.

Item:	CUST-RPT: Bug- When loading the analyses for location code, display the analysis as the #Group until login action
Description:	LWSampleLogin: #Group analyses kept as the group until the time of sample login instead of breaking out as individual analyses.

Item:	LWSampleLogin: After new sample login automatic blank result entry is done for multi-component analysis
Description:	LWSampleLogin: Result records being created during sample login. This was inconsistent with other sample login applications.

Item:	Search Comments
Description:	CrossReferenceSearch: Added ability to search comments.

Item:	LWWebTop: Result Entry application do not display complete result for narrative analysis
Description:	Webtop: Corrected issue complete Narrative Text result not displaying.

Item:	PSLogin6 fails to create samples in PS when location code default comments have lines with > 80 characters
Description:	ProcessScheduler: Samples not added to process scheduler when comments length > 80 characters.

Item:	QuickTrack6 - CONTAINER_HISTORY CONT_LOCATION field 50 char long, but contents truncated at 14 char
Description:	QuickTrack: Container Location not supports 50 character, previous 14 characters.

Item:	CUST-RPT : Bug - Error in Sample Login Persisted Group
Description:	LWSampleLogin: Persisted group creation errors corrected.

Item:	Data Viewer Filter Enhancement
Description:	LWDataviewer: Enhanced filter save, load, review.

Item:	LWDataViewer: Select multiple values from multiple analysis and launch GTV form
Description:	LWDataviewer:GraphicalTrendViewer: Added ability to select and display multiple analytes for display in GTV.

Item:	DMR : Adding Net DMR feature.

Description:	DMR: Enhancement Added support for NetDMR export format.

Item:	CUST-RPT:Enhancement- When analysis is marked as YES for QA Batched on the PS By analysis view, can we place the QA Batch ID
Description:	Process Scheduler: Enhancement Added QA Batch to the list of available fields for Analysis View

Item:	CUST-RPT: Bug - PS Service issue with adding comment and sample status report queue
Description:	ProcessSchedulerService: Improved handling of comments only containing spaces.

Item:	CUST-RPT: Bug- New 6.6 PS Service Creating duplicate samples.
Description:	ProcessSchedulerService: Correct issue where service was creating duplicate samples.

Item:	LWSysconfig - Sync users doen't update user status
Description:	LWSysCfg: Improved Active Directory Group synchronization. Users remove from AD Group are suspended instead of deleted.

Item:	Audit Trail - Audit trail reason is being truncated at 50 characters
Description:	Platform: AuditTrail reason now saving up to 255 characters. Previously they were being truncated at 50 characters.

Item:	Report Ownership query doesn't include report templates when ownership is null
Description:	Reporting: Available reports not listing reports with ownership undefined.

Item:	System Manager Errors when loading table and SysFieldType = IB and Sysmgrbval = NULL
Description:	SystemManager: Improved handing of configuration records when fields are null. SysFieldType = IB and Sysmgrbval = NULL

Item:	Industrial Pretreatment - IPP module not properly converting specs according to our >= v6.2 schema changes
Description:	Industrial Pretreatment: Converting to Specs wasn't saving to new ResultsSpecs format.

Item:	PR6 Error Logging Enhancement
Description:	PostResults6: Improved error logging. Files with errors renamed to <file>.bad

Item:	Sample Modify. If user doesn't update field width for modified UDF, or uses template from previous version then data can be lost.
Description:	Sample Modify: Reduced the possibility of truncating data by eliminating the need to setup edit field widths.

Item:	Sample Collection Group creation from ProcessScheduler
Description:	ProcessScheduler: Added the ability to create Sample Collection Groups for new Sample Collection App.

Item:	Add SAP Lookup table editor
Description:	SAP Interface: Added Table Editors for R3_Materials and R3_Components

Item:	ResultsEntry - Add Search/Goto Sample/Analysis
Description:	ResultsEntry: Enhancement: Added Search functions to Go to Sample or Analysis Code: Press F3 for search.

Item:	QAQC Batch Builder: Sample searching by Barcode number.

Description:	QAQCBatching: Added support for Barcode scanning to add samples to the batch.

Item:	QA QC Batch Builder - Add Objects
Description:	QAQCBatching: Added support for batch objects.

Item:	Sample Modify - ability to recalculate analysis on submission and completion date updates
Description:	Sample Modify: When modifying the sample collection/submittal date, the user is now prompted to update analysis due dates.

Item:	WebTop - Resize crystal report display to window size
Description:	Webtop: Diplay Crystal Report window to full size.

Item:	PR6 needs ability to run post processing programs like OPCEXP
Description:	PostResults6: Enhancement: Added support for POSTPROGRAM command to run programs after PostResults6 similar to PostResultsEntry programs.

Item:	CChart doesn't load when number of records is large
Description:	CChart: Improved program load performance when there is a lot of historical data.

Item:	When adding $ACODE to sample in results entry, it doesn't display "Pending" properly
Description:	ResultsEntry: Correct display of added $CODE test to show "Pending"

Item:	Multisample Login - Due Date and Pre Login Groups
Description:	Multisample Login: When loading prelogin groups with location code due dates base on "Submit Date", due dates were being recalculated when collection date was updated.

Item:	LWSYSCfg6.exe doesn't give any user feedback when trying to save configuration and the syscfg.dat is write protected
Description:	LWSysCfg: Display a warning to the user if SYSCFG.DAT is read only.

Item:	PS Sample Edit -> Adding Analysis Codes doesn't update LABOBJSPECINFO with defined Analysis Code Information
Description:	ProcessScheduler: When adding analyses via PSEdit added load of default special information for added acode.

Item:	Process Scheduler sample tab inactive after viewing Scheduled samples
Description:	ProcessScheduler: After adding samples via the Calendar and Download, the Sample tab remains inactive/not selectable.

Item:	LWChemInventory: Item Hazard tab not refreshed
Description:	Chemical Inventory: Select different inventory items doesn't refresh the Hazard definition for the selected item.

Item:	Report Date not populating Crystal Report
Description:	Reporting: Report Name and Date are now updated prior to report creation so updated values can be used in the report.

Item:	Audit Trail Viewer sorting ascending. Used to sort descending
Description:	Default sort order for AuditTrail Viewer has been corrected to show the most recent at the top.

Item:	In LocList Maintenance sorting is not working for User fields columns

Description:	Corrected issue with sorting analyses and location codes when the number of items is large.

Item:	Workflow Engine - Add ability for users to define transition from RETIRED
Description:	Workflow: Added the capablity to define workflow from Retired. The Retired state previously didn't permit any changes, this allows workflow to be created that goes from Retired to Draft or any other state.

Item:	Add Department as editable field for # groups
Description:	Added defining Department field for #GROUPS so they can be sorted and more easily managed.

Item:	Secondary Result not uploading for Milk Specialties - Scandaemon Service
Description:	PostResults6: Corrected issue with PostResults6 and Excel calculations for returning results values other than main result from calculation.

Item:	Process Scheduler sample tab inactive after viewing Scheduled samples
Description:	ProcessScheduler: Corrected issue when Sample tab was disabled after certain calendar operations.

Item:	Multicomponent Analyte name containing single quote posted via postresults6 creates checksum error
Description:	PostResults6: Corrected checksum calculation when analyte included single apostrophe.

Item:	Result entry print only prints one copy no matter what number of copies you select
Description:	ResultsEntry: Corrected issue when user selects number of copies to print > 1

Item:	Sample Comments - Comment characters being truncated
Description:	Reporting: Added new "SCMT: Sample Comment - MEMO" to export sample comments as a LongText/Memo field type.

Item:	LWDataViewer - Updating a view overwrites ResultsEntryTemplates by the same name.
Description:	DataViewer: Corrected issue when saving a DataViewer "View" with the same name as a ResultsEntry template would corrupt the ResultsEntry Template.

Item:	Net DMR - NetDMR export to CSV field for Frequence of Analysis is tied to DMR_FINALDETAIL.RFRQ_ANL1 instead of DMR_FINALDETAIL.RFQ_ANL1
Description:	DMR: Corrected Frequency of Analysis Calculation/Reporting

Item:	LWMigrationUtility - Timeout issue with AUDITTRAIL when 53M records are in the table
Description:	Platform: Enhanced LWMigrationUtility to handle substantial number of AuditTrail records

Item:	Process Scheduler - Download from calendar SQL statement error with SQL Server Compatibility Level older
Description:	ProcessScheduler: Corrected SQL Error on Calendar Download.

Item:	Results Entry - Copy Results/Paste Results sets prices to $0 for pasted test codes
Description:	ResultsEntry: Corrected AnalysisPrice set to zero issue when copy/paste from one sample to another.

Item:	Process Scheduler - Improve color scheme
Description:	ProcessScheduler: Improved Color Scheme. Improve usability by tuning colors.

Item:	DMR - Conversion Factor not applied for parameter
Description:	DMR: Conversion factor not applied to results.

Item:	ScanDaemon services needs same run program features as VB6 app
Description:	ScanDaemonService: Add capablity to run post upload/post process programs.

Item:	ProcessScheduler service needs Recover option for when restarting
Description:	ProcessSchedulerService: Added option to start from last update time.

Item:	PR6 hanged sometimes
Description:	PostResults6: Corrected issue with LABWORKS calculation that would cause PR6 to Hang: Properly evaluate if calculation inputs when analyses not assigned to the sample.

Item:	LWSYSCfg6.exe doesn't give any user feedback when trying to save configuration and the syscfg.dat is write protected
Description:	Platform: LWSyscfg6.exe Added Alert to user if SYSCFG.DAT is read only.

Item:	PR6 Error Logging Enhancement
Description:	PostResults6: Added logging and rename input file to .BAD when processing fails.

Item:	WebTop - Resize crystal report display to window size
Description:	WebTop: Crystal Reports - Resize window properly.
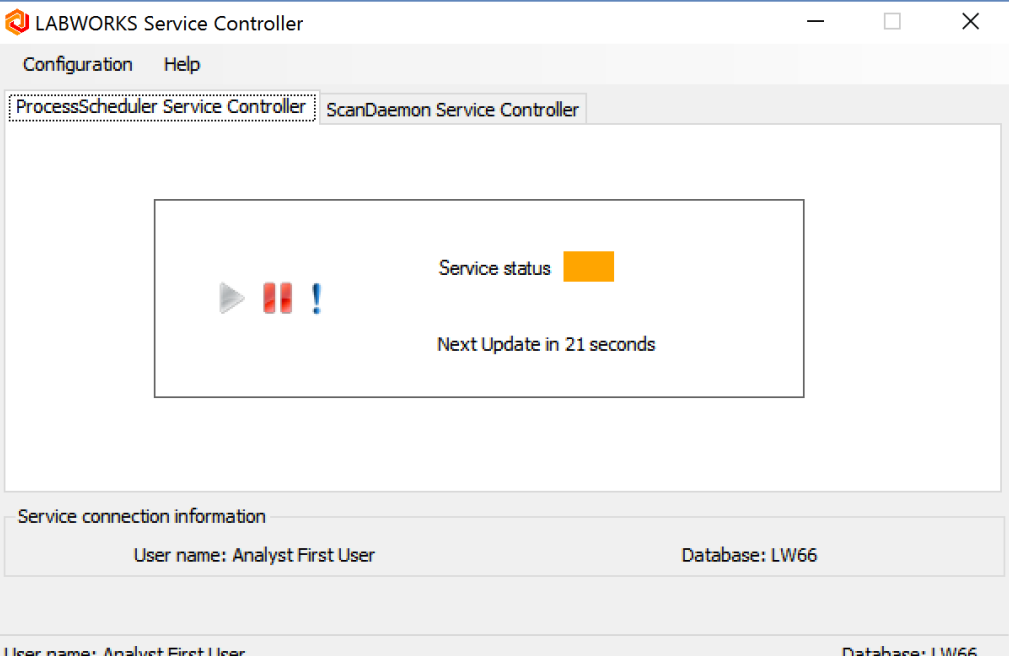
Item:	Sample Modify - ability to recalculate analysis on submission and completion date updates
Description:	SampleModify: Added recalculation of due dates when sample collection/submit date are updated.

Item:	Sample Modify. If user doesn't update field width for modified UDF, or uses template from previous version then data can be lost
Description:	SampleModify: Removed requirement for user to enter field widths for fields to be modified.

Item:	Add SAP Lookup table editor
Description:	SAP: Added User Interface for modifying Interface Lookup tables.

Item:	PR6 needs ability to run post processing programs like OPCEXP
Description:	PostResults6: Added POSTRUN option to run command line programs as part of PR6 processing.

What's New 6.6

Item:	Process Scheduler as a Service
Description:	Scheduled sample creation feature of ProcessScheduler is now available as a service. As a Service, the application starts on when the server boots, runs in the background and supports server restart scripting.

Item:	ScanDaemon as a Service
Description:	ScanDaemon upload of sample results is now available as a service. As a Service, the application starts on when the server boots, runs in the background and supports server restart scripting.
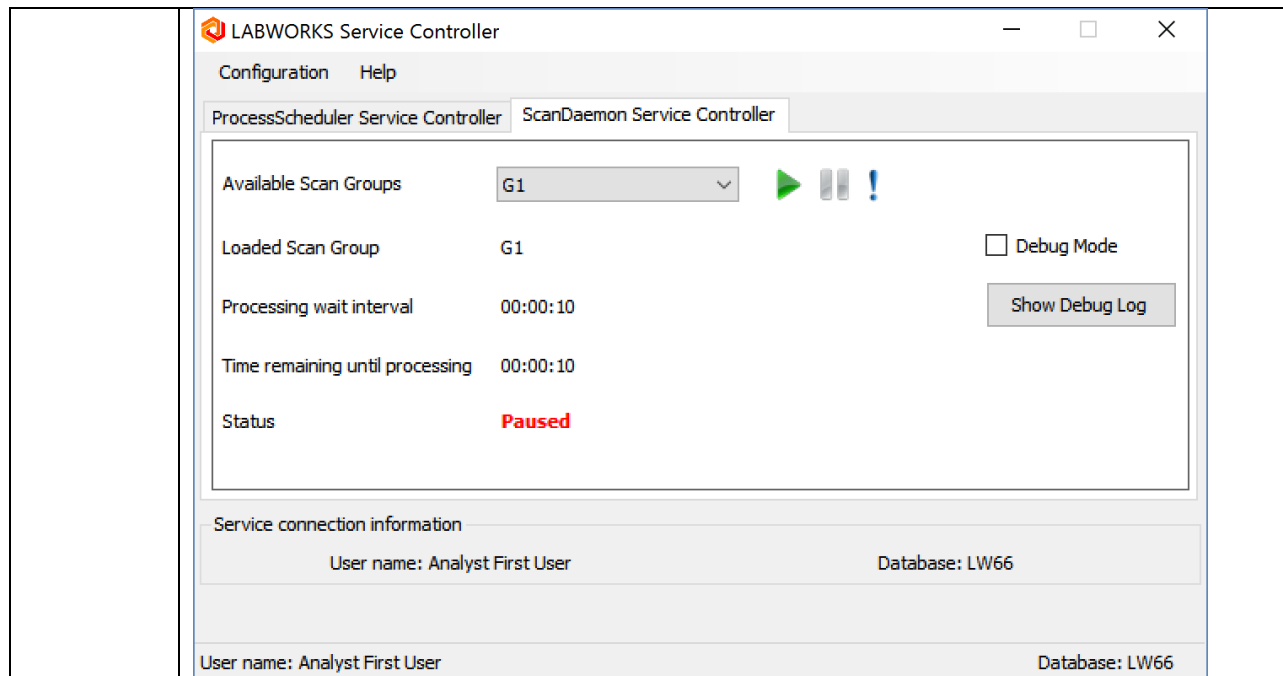
Item:	LWDataViewer – Display of Multi-Component Analytes at top level
Description:	Individual analytes from a multi-component test can new be selected for viewing/comparing at the top level.

Item:	ResultsEntry – Added Formats
Description:	ResultsEntry import now supports PostResults6 and NGII Formats.

Item:	ResultEntry – Usablity
Description:	Improvments: 1. Violations of Multicomponent Tests displayed at top level 2. One button export to excel 3. Evaluation of specifications when results container <>. Example Upper Spec 10, result ">15" fails 4. Multi-Compoent – Date/Time edit copied to all analytes.

Item:	Email Gateway
Description:	Only one secure SMTP connection required. All email is sent via the Server.

Item:	Certificate of Analysis
Description:	Email of COA as PDF directly from application. COA application can now generate a PDF image, open Micrsoft outlook and attach the PDF in preperation for emailing.
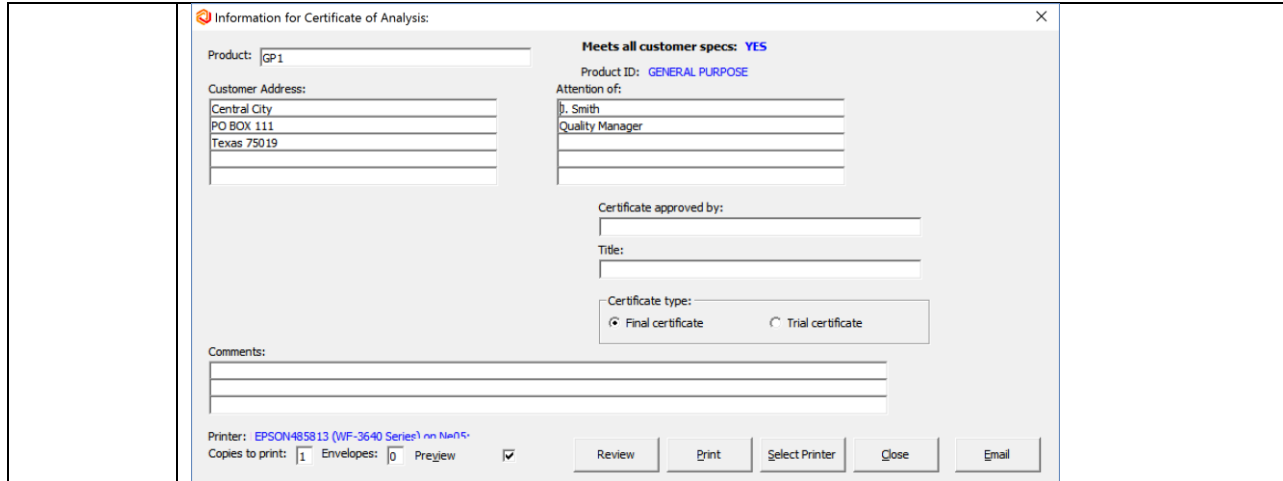
Item:	LWExplorer – First Row of results not hightlighted by default
Description:	The first row of the results is not highlighted. If the first row is a violation, the violation is now more visable.

Item:	DMR – Added eDMR output, added calculation options, improved performance
Description:	Added eDMR electronic format output. Added calculation option for Max monthly value over a multiple month range. Improved sample calculation and report generation performance.

Item:	Excel Calculation – Added Macro Support, Rounding of Calculated Values
Description:	Excel calculations can now run a macro as part of the calculation. By adding support to run a macro, calculations can now include more user defined actions, such as saving chart files, reading/writing external data… Rounding – Calculated excel values can be rounded as per analysis code rules. SYSMGR/ROUND_IMPORTED_RESULTS = TRUE
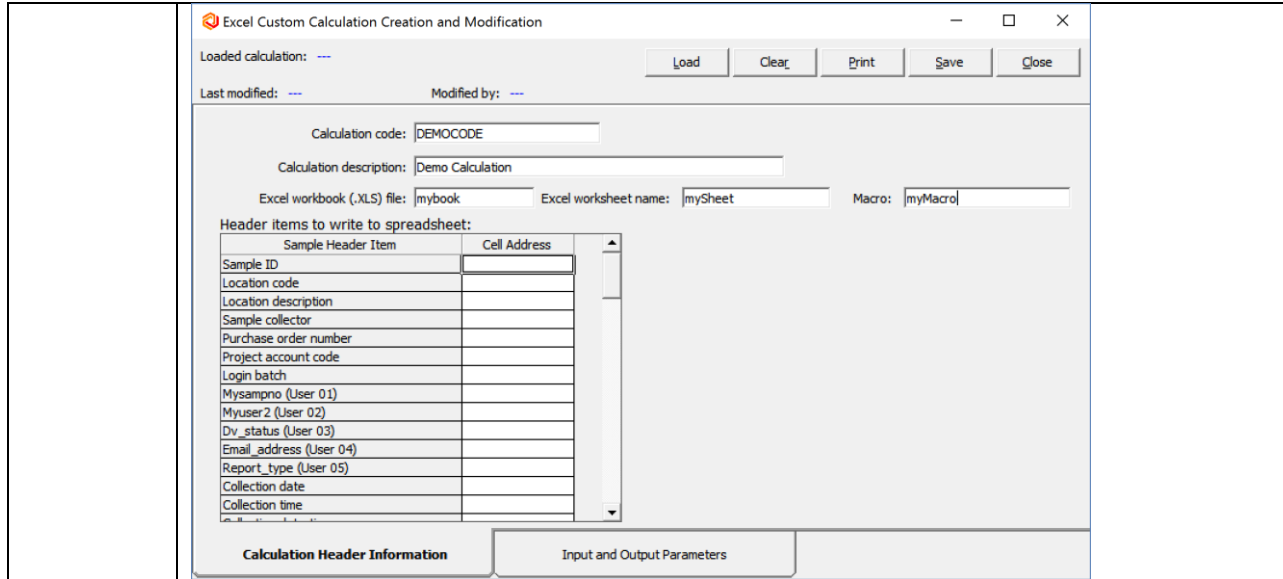
Others:
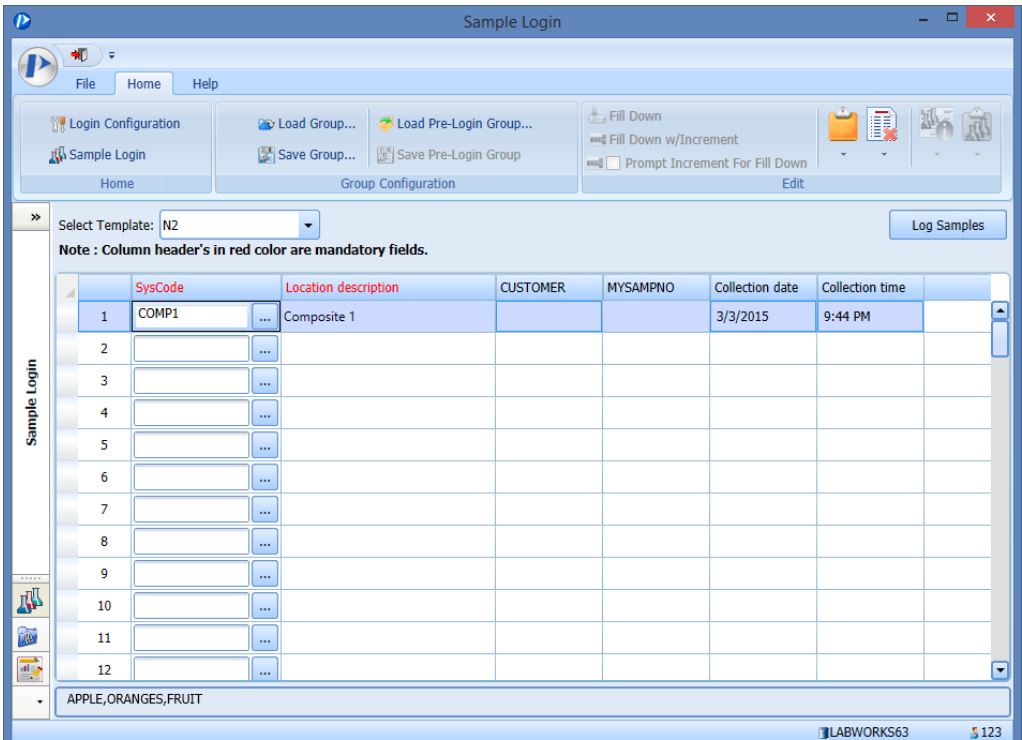
Item:	LWWebTop – SampleLogin - Removed dependnecy on Bartender
Description:	LWWebTop – SampleLogin no longer has a hard coded dependency on Bartender. So Bartedner Install isn't required on the server if bartender labels aren't going to be generated.
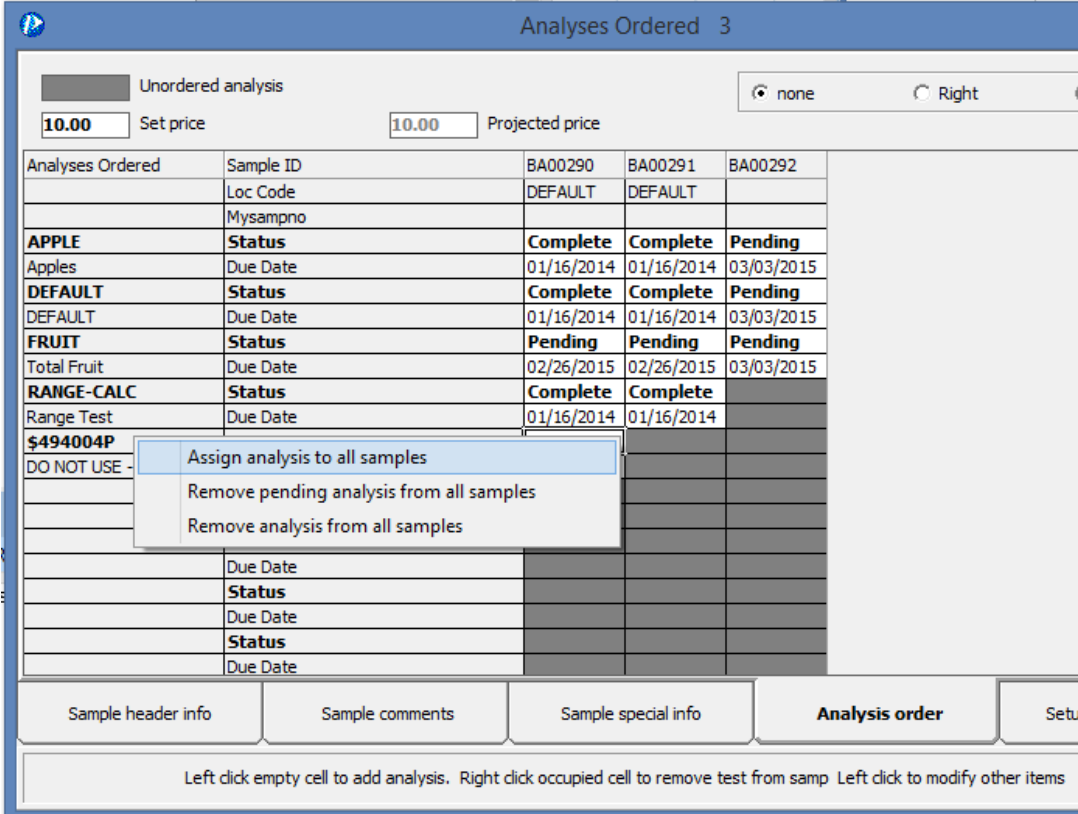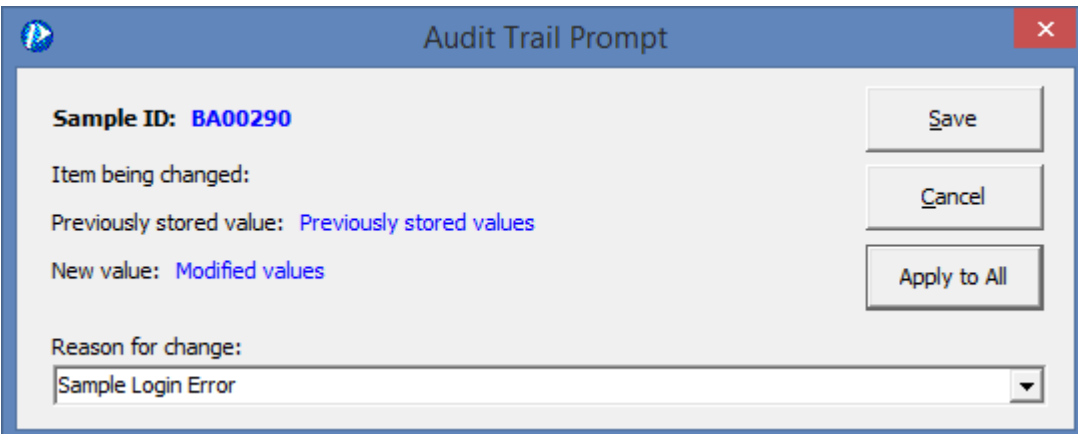
Item:	Labels
Description:	Fix to Bartender Label_Type = 3 Added Nlabels saving to SampleLogin prelogin groups Added Direct integration of Bartender label select to MultiSampleLogin Support Nlabels in when using Select w/ Bartender
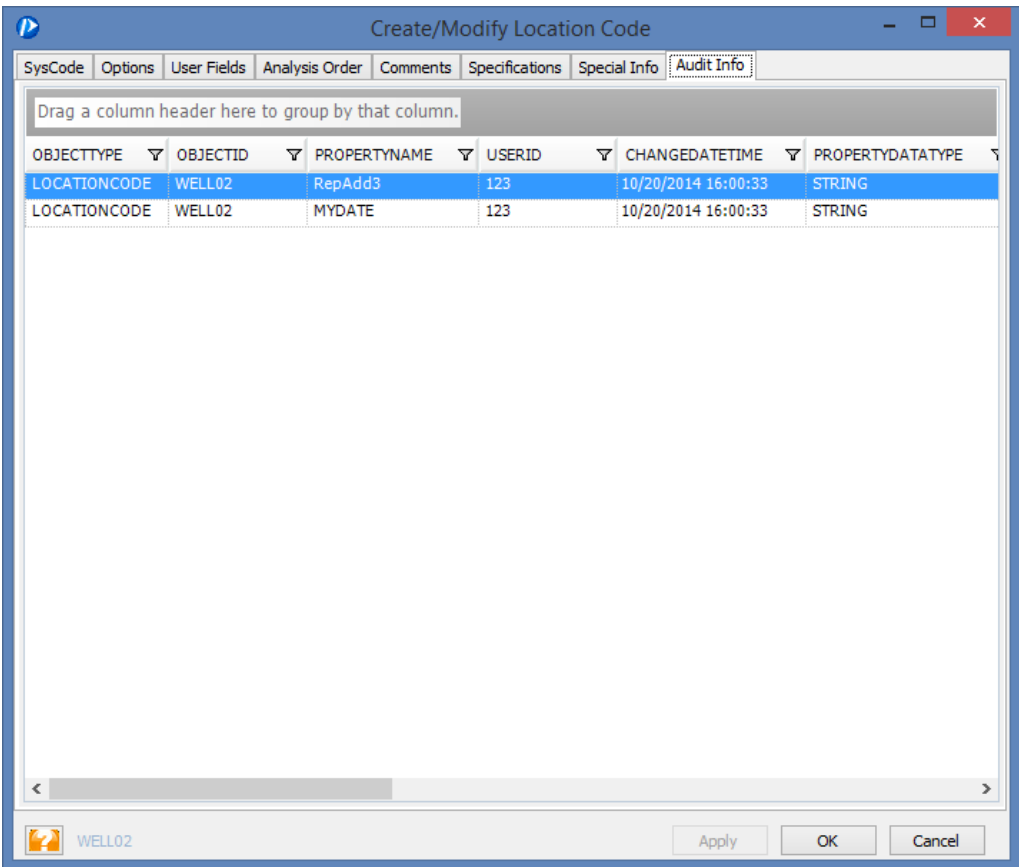
Item:	Various
Description:	Special Info – Added support for descriptions with single quotes ProcessScheduler - Edit Analyses – Resizable, improved UI Updated Help Updated software development controls Installation – Single step upgrades from 6.X. Improved single Script and XSP file. Installation – New Code signing certificate, images, installation folders. SIMC Performance – Faster PostResults6, DMR Errorlog Viewer – Properly display when many errorlog records. Database Support – Added support for SQL 2014, 2016 O.S. – Support for Windows 10 – View Objects new PDF, JPG viewers.
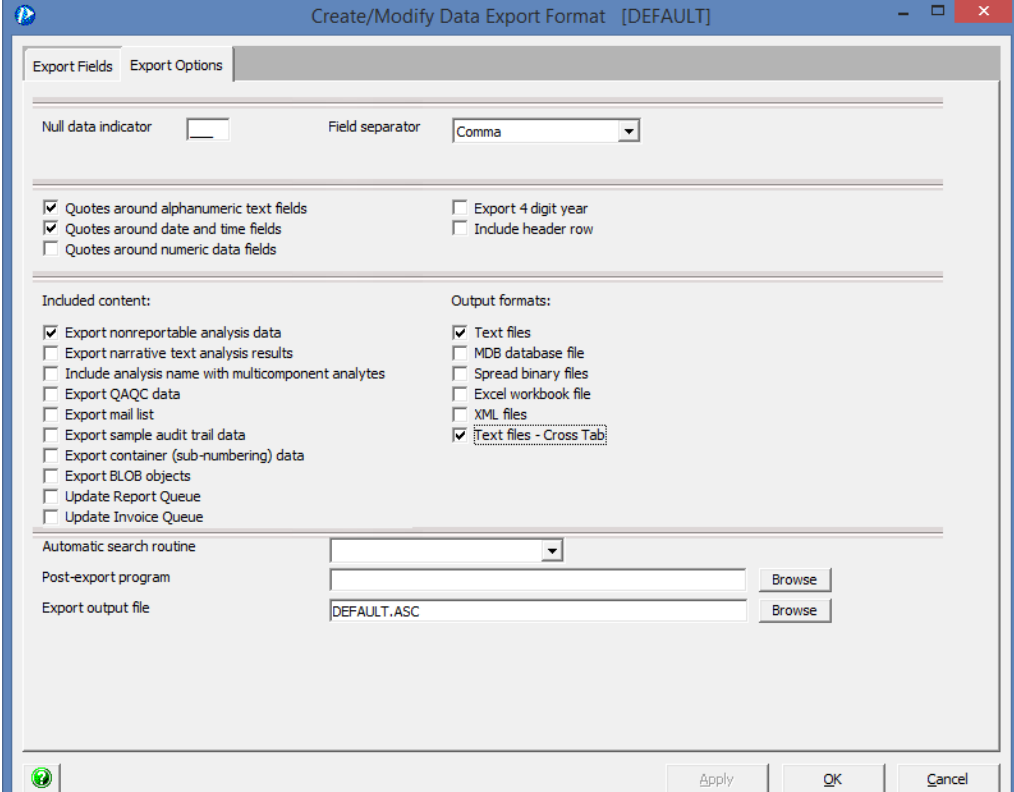
DMR – Performance, Calculation – Average hight month over extended range, eDMR
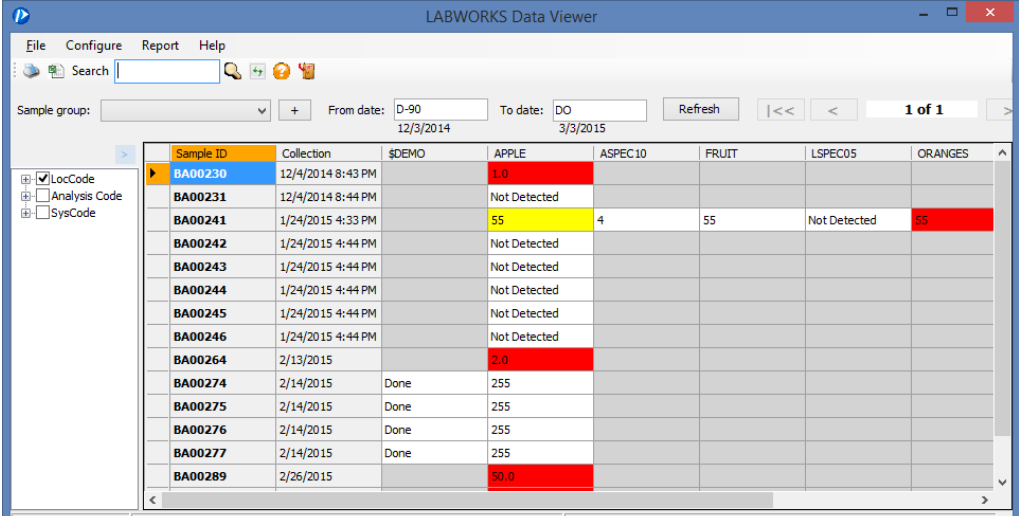
What's New 6.5

Item:	LWSampleLogin Improvements
Description:	Enhanced usability for keyboard use, prelogin groups, general usability

Item:	Sample Modify Improvements
Description:	Add/Remove analysis to multiple samples with a single click.

Apply Audit Trail comment to all changes in a single click.

Item:	Analysis/Location Code Improvements
Description:	Directly Access Audit Trail from the application.

Item:	Data Export Improvements
Description:	Directly export to Cross Tab from LabWorks.

Item:	LWDataViewer Improvements
Description:	Added support for Relative Dates. Ex: always display last 90 days.

Item:	QA/QC Batch Builder Improvements
Description:	User configurable Columns – Add User defined data

Item:	WebTop Improvements
Description :	Enhanced to support newer browsers, better screen usage, easier access to reports.

Item:	Graphical Trend Viewer
Description:	Added the ability to merge multiple history charts

Installation Notes

The installation instructions have been updated to reflect the new features. Please refer to LABWORKS Installation Guide in the documentation folder of the CD.

Configuration Changes

Configuration changes in 7.2:

Sr. No	Configuration	Updated in	Default Value	Behaviour
1.	CAPABILITIES_NOTIFY_GROUP	SYSMGR	-	A group of users that should be notified of the expiration date of the capabilities or if the current date is close to the expiration date
2.	CAPABILITIES_WARNING_DAYS	SYSMGR	7	No. of days before expiration of the capabilities when users must be notified.
3.	CHECK_DEPENDENT_ANALYSIS	SYSMGR	False	Indicates whether dependent analysis completion is enforced before entering results for parent analysis
4.	CINV_MANUFACTURER_MANDATORY	SYSMGR	False	Indicates whether Manufacturer field is mandatory while

				receiving Inventory
5.	CONTAINER_RECEIVE_POLICY	SYSMGR	DISABLED	HARD – Users are not able to receive a sample unless all sample containers are in received state. SOFT – Users are able to mark the sample as received but all analyses for containers NOT received will be removed as part of the receive state. DISABLED – Application does not enforce the need to receive containers at all.
6.	IMPORT_DEFAULT_AUDIT_REASON	SYSMGR	Imported from a file	Default Audit Reason for import operation
7.	LOGBATCH	SYSMGR	GROUP	
8.	LOGIN_DEPT_FIELD	SYSMGR	PROJ	If LOGIN_DEPT_FIELD is configured then for each sample, the department value is read from the configured field, in this example "PROJ/PROJECT" and that value is set as the process scheduler department for the sample. Supported LOGIN_DEPT_FIELD values are PROJ, DSCR, PORD, RAD1-RAD5, BAD1-BAD5, USR1-USR99
9.	LOGIN_NOPROMPT	SYSMGR	False	If True, then do not prompt for department. Note : if LOGIN_DEPT_FIELD is configured then Department Prompt is not displayed
10.	PS_SEND_TO_PDA_DATE_OPTION	SYSMGR	COLDATE	Send to PDA - Date field options: ColDate or ReqDate
11.	CAPABILITY_TYPE	PICKLIST		Picklist created for Capability Types

Hardware / Software Requirements

The hardware and software requirements are documented separately in the Hardware and Software Requirements document.

Upgrade Notes

There are database changes in this version to support new features. Follow the software Installation Guide for updating the database.

Fixed in this Version

Release notes include only fixes since the previous release.

The following issues were fixed in LABWORKS version 7.2:

Sr.No	Item	Description
1.	Inventory - Comments not saving	A bug has been fixed in Inventory Management so that Comments are saved successfully
2.	Sample Analysis Validation - not all analyses are displaying	A bug has been fixed in Sample Analysis Validation so that all analyses are displayed
3.	LWSampleLogin crashing intermittently when dealing with PAM groups	A bug has been fixed in LWSampleLogin so that the application does not crash when dealing with PAM groups
4.	Crystal Report Error - When using Report_History	A bug has been fixed in Crystal Report so that report is generated correctly when using Report History
5.	NGIIAdapterApplication changes results if display result data is checked	A bug has been fixed in LABWORKS so that result data is not changed in Desktop based on NGIIAdapterConfiguration settings "Display result data for review" and "Allow to edit displayed result data"
6.	QC Batching Building Sample List from Prep Batch Issue	A bug has been fixed in QAQC Batch Builder so that samples from different Prep Batches can be included in a single QC Batch.
7.	Analysis Analyte Comments Not Removed when Reordering a Test	A bug has been fixed in Results Entry application so that Analysis Analyte Comments are removed when Reordering a Test
8.	Change from Prelogin to Profile in LWSampleLogin	A bug has been fixed in LWSampleLogin so that 'Profile' is displayed instead of 'Prelogin Group' across the application
9.	NGII Adapter <PQL Setting %PQL% Not Working	A bug has been fixed in NGII Adapter so that < %PQL% setting is working
10.	LWSampleLogin - Add to process scheduler - Department from existing field	A bug has been fixed in Process Scheduler so that when adding samples to process scheduler, the ProcessScheduler department should be populated from data in an existing field e.g. PROJ.
11.	LWSample Login - Add configuration to hide login batch prompt	A bug has been fixed in LWSampleLogin so that user can hide login batch prompt based on "Show Log Batch Prompt" setting in LWSampleLogin - Template Configuration
12.	Error in Results Entry : Object Reference Not Set to an Instance when using NGII	A bug has been fixed in Results Entry so that error message is not displayed when using NGII
13.	Default Results for Multicomp Tests Showing PENDING Status	A bug has been fixed in QAQC Batch Builder so that when some multicomp test codes having default results are added, the results are recorded and status is also marked as 'Waiting for Validation'.
14.	PostResults6 - Excel calculation repeats calculation for each output	A bug has been fixed in PostResults6 application so that excel calculation does not repeat calculation for each output

15.	State Management Apply to All Regression	A bug has been fixed in State Management so that "Apply to All" checkbox when checked, remains checked for multiple test codes
16.	RESULT ENTRY - Default qualifiers	A bug has been fixed in Results Entry so that default qualifiers are saved
17.	QC Batching Override Inventory Expiration Issue	A bug has been fixed in QA QC Batch Builder application so that if user doesn't have override expiry for Inventory then the user is not able to create the batch.
18.	LWExplorer not evaluating prevalidation status properly to hide results prior to validation	A bug has been fixed in LWExplorer so that prevalidation status is evaluated properly to hide results prior to validation
19.	MOR reporting with wrong date assignment	A bug has been fixed in MOR reporting so that date assignment is correct
20.	NGII Adapter - Importing negative results	A bug has been fixed in NGII Adapter so that negative results are imported properly.
21.	Remove QC Batch Issue	A bug has been fixed in QAQC Batch Builder so that QC batches can be removed
22.	Process Scheduler not showing Crystal Reports, under Print Results	A bug has been fixed in Process Scheduler so that Process Scheduler now shows Crystal Reports, under Print Results
23.	Object modify bug	A bug has been fixed in LABWORKS so that the privileges (ANLOBJECTLOAD, ANLOBJECTCHANGE, ANLOBJECTVIEW) are applied in legacy application like Result Entry, Sample Modify, Sample Validation.
24.	PreLoginGroup Issue USERFLDS change	A bug has been fixed in LWSampleLogin so that PreLoginGroups created before a change was made to USERFLDS/SUSERFLDS table, are loaded after the change as well. PreLoginXmlUpdate.exe needs to be executed for correcting the data.
25.	Custody Tracking reports cannot be generated if CollectionGroup is null	A bug has been fixed in Custody Tracking so that Custody Tracking reports can be generated even if CollectionGroup is null
26.	MOR Report - data not transferring into Excel spreadsheet.	A bug has been fixed in MOR Reports so that data is transferred into Excel spreadsheet properly
27.	Sample Modify / Delete program issue with Sample Special Info fields	A bug has been fixed so that Sample Modify/Delete program displays Sample Special Info fields correctly
28.	SampleLogin Load LocCode with Default Group Test Code and Assigned Containers Issue	A bug has been fixed in LWSampleLogin so that automatic assignment of test codes to container, when location code has default group test code, works correctly
29.	Analysis List Maintenance Audit Trail Tab Issue	A bug has been fixed in Analysis List Maintenance so that Audit Tab is displayed properly
30.	Missing ACODE in MultiComponentTranfer NGII import prevents importing of subsequent results	A bug has been fixed in LWMultiComponentTransfer so that when a record imported from a multi component NGII is missing an ACODE, it will log an error and continue to the next record.
31.	PR6/Multi-component Transfer - Raw Result/Calculation Issue/Validation replaces	A bug has been fixed in PR6/Multi-component Transfer so that validation does not replace

	result	result value
32.	Explorer Missing Data	A bug has been fixed in LWExplorer so that all sample data is displayed
33.	LOCATION CODES - Does not properly populate/SECONDARY column does not belong to table	A bug has been fixed in Location List Maintenance application so that LOCATION CODES are populated properly
34.	MULTI-SAMPLE LOGIN- initial PS status incorrect	A bug has been fixed in Multi-Sample Login so that initial PS status is set correctly
35.	MODSAMPS6.EXE not working	A bug has been fixed in MODSAMPS6 application so that user can update the sample status and process scheduler sample status
36.	Save Results - lwcompatiblity object, doesn't save all samples - MCR no tests	A bug has been fixed in Results Entry so that all samples are saved
37.	Analysis Date/Time not reset when user reorders analysis	A bug has been fixed in LABWORKS application so that Analysis Date/Time is reset when user reorders analysis
38.	LWSampleLogin Collection Group Description - cannot enter space	A bug has been fixed in LWSampleLogin so that Collection Group Description supports space
39.	Inventory Management - Multiple QC Samples can be logged in	A bug has been fixed in Inventory Management so that application disables logging-in another QC Validation sample, after the first QC Validation Sample has been logged-in while receiving the Inventory
40.	Batch Creation Generates Error	A bug has been fixed in QA QC Batch Builder so that batch is created without error
41.	Inventory Mgmt - Audit trail not capturing expiration date change	A bug has been fixed in Inventory Management so that Expiration Date change is captured in Audit Trail
42.	SIMC Reporting - ASSIGNEDCONTAINERS not filled in, Add preservative	LABWORKS has been enhanced so that ASSIGNEDCONTAINERS, Preservative and Collection Group information is filled in and available for SIMC Reporting
43.	Sample Login LoginGroupID Too Many Characters Issues - Legacy Applications	A bug has been fixed in LABWORKS Legacy Applications so that Log Batch of 300 characters is supported
44.	QC Batching Missing Ability to Add Extra Special QA Samples	A bug has been fixed in QAQC Batch Builder so that Special QA Samples can be added to a batch
45.	Exporting Mail List Table MLTDATA Issue	A bug has been fixed in Crystal Report so that MailList Address supports 4000 characters
46.	Containers get result of DONE after login	A bug has been fixed in LABWORKS so that Container Results are not marked as DONE if CONTAINER_NO_RES setting is checked ON
47.	Result Entry/VB6 Apps - OCX error	A bug has been fixed in Results Entry so that OCX errors do not occur while launching Results Entry/VB6 applications
48.	QC Batching Filter for Prep Batch Issue	A bug has been fixed in QAQC Batch Builder so that if batch template doesn't have an associated prep batch then "Filter samples from prep batch" checkbox should be unchecked by default
49.	Dilution factor and PQL not saving in result entry	A bug has been fixed in Results Entry so that Dilution factor and PQL are saved properly
50.	Multi-login-Pre-logins do not load/MOR- does not completely populate/Location List- does	A bug has been fixed in Multi-login Pre-login , MOR as well as Location List Maintenance

	not load	applications so that data is loaded properly
51.	Results Entry Import PR6 Instrument Length Issue 16 chars and 40 chars	Results Entry Import PR6 application has been enhanced to support Instrument Length as 24 chars
52.	[Sample Login] Sample can't be created when there's a filled mandatory Comments field.	A bug has been fixed in LWSample Login so that sample can be created when there is a filled mandatory Comments field.
53.	PAM Groups not saving or applying at login	A bug has been fixed in LWSample Login so that PAM Groups are applied to Acodes at login
54.	Results Entry Target Violation Not Working if Numeric	A bug has been fixed in Results Entry so that Target Violation is displayed if result value is not equal to target value, even if result value is Numeric and target value is non-Numeric
55.	ScanDaemon fails when using Windows folders in Gateway Admin	A bug has been fixed in Scan Daemon so that there are no errors while using Windows folders in Gateway Admin
56.	MOR Using Cross Reference Type Issue	A bug has been fixed in MOR reports so that using Cross Reference Search type populates the template properly
57.	Process Scheduler Issue Adding Timed Groups	A bug has been fixed in Process Scheduler so that timed group samples are logged properly with PS as Service
58.	Inventory Management Mixture Consumption	A bug has been fixed in Inventory Management so that when consuming a mixture, the item being consumed is decremented properly and a new item is not created with the correct decremented value
59.	TPC Group Sample Archive	A bug has been fixed in Sample Archive application so that there is no type mismatch error for Analysis table - NOOFREPLICATES field
60.	Exporting Data Produces Extra Character Sets on Sample Comments	A bug has been fixed in Export Data application so that extra character sets are not introduced in Sample Comments
61.	SAMPLE VALIDATION - Unable to validate sample	A bug has been fixed in Sample Validation so that user can validate samples having status as "analysis complete"
62.	Type Mismatch in IAILaunch6 when importing 4Life results from NGII	A bug has been fixed in Results Entry so that Type Mismatch error does not occur in IAILaunch6 when importing results from NGII
63.	Process Scheduler issue moving from "collected" to "waiting analysis"	A bug has been fixed in Process Scheduler so that status can be moved from "collected" to "waiting analysis" without any error
64.	Analysis Code Maintenance application fails to warn of "%" character delimiter in ACODE.	A bug has been fixed in Analysis Code Maintenance application to support "%" character in ACODE.
65.	Setting missing that prevents Results Entry from adding unwanted ACODES during NGII import	A bug has been fixed in Results Entry so that "Instrument Results for Not Ordered Analyses" screen is displayed which allows users to prevent unwanted ACODES during NGII import
66.	QA Batch builder requires sample modify privilege	A bug has been fixed in QA/QC Batch Builder so that adding QA samples using the Batch Builder does not require users to have Sample Modify privileges
67.	Inventory Management - Purchase req state	A bug has been fixed in Inventory Management

	change	so that Purchase Requisition state can be changed
68.	NG Migration- Invalid Column Error	A bug has been fixed in NGMigration to resolve invalid trigger issue
69.	Process Scheduler Samples Ready To Collect COMPLETEDATE Issue	A bug has been fixed in Process Scheduler so that scheduled samples with "Ready To Collect" status are displayed as the SAMPLE.COMPLETEDATE value is set to NULL as expected
70.	Batch builder will not remove sample from batch; adds test to sample without audit trail	A bug has been fixed in QA QC Batch Builder so that if a test code is removed from a sample that is previously batched, that test code is not added back unnecessarily after removal.
71.	Results Entry not correctly rounding to MDL places when importing from 4Life NGII	A bug has been fixed in Results Entry so that result is correctly rounded to MDL places when importing from NGII
72.	Results Entry sometimes not importing results/raw results correctly from 4Life NGII	A bug has been fixed in Results Entry application so that results/raw results are imported correctly
73.	Results Entry fails to import individual replicate values from NGII	A bug has been fixed in Results Entry so that individual replicate values are imported from NGII
74.	Multi-sample login sample due date not keeping user entered value	A bug has been fixed in MultiSample Login so that user input for Sample DueDate is preserved
75.	ProcessScheduler Analysis Display, user field off by one column	A bug has been fixed in Process Scheduler so that user field data is displayed correctly on Analysis Display screen
76.	Result Entry/Sample Status - Completed Sample Pending	A bug has been fixed in Results Entry so that sample status does not stay at (waiting for analysis) after result has been entered
77.	FLATADATA_QA Not Populating QC Resutls v7 Bld 135	A bug has been fixed in Crystal Report so that FLATDATA_QA table in .mdb is fully populating QC data in Crystal Report.
78.	Process Scheduler issue with groups	A bug has been fixed so that Process Scheduler groups are migrated correctly
79.	Results Entry Not Opening for Sample with Analysis User Defined Data	A bug has been fixed in Results Entry so that Results Entry is launched for Sample having Analysis User Defined Data
80.	Multi-component transfer speeds when using Replicates	A bug has been fixed in LWMultiComponentTransfer so that application speed is improved when using Replicates
81.	Deleting eWorksheet Assigned to QC Batch Issue	A bug has been fixed in eWorksheet so that deleting eWorksheet which is assigned to QC Batch works fine
82.	Validation dates/times incorrectly changing	A bug has been fixed in Results Entry so that Validation date/times are not updated for the previously validated analysis
83.	Results Entry Scientific Notation Stripping off Values after Plus Sign v7.1	A bug has been fixed in Results Entry so that Results Entry Scientific Notation does not strip off Values after Plus Sign
84.	Process Scheduler Issue after 6.10 to 7.1 upgrade	A bug has been fixed in Process Scheduler so that, after upgrade, long time is not required to load top node (Department)
85.	QA Batch sorting not working correctly in result entry	A bug has been fixed in Results Entry so that QA Batch sorting works correctly

86.	Slow updating speeds - ResultsEntry6	A bug has been fixed in Multi Sample Login and Results Entry to improve the performance while saving the data
87.	Access Reports - Analysis Comments 255 character limit	A bug has been fixed in Access Report so that Analysis Comments support large number of characters
88.	Audit Trail - Applying filter crashes	A bug has been fixed in Audit Trail Viewer so that applying a filter and then clicking on the comments does not cause the audit trail viewer to error out and crash
89.	Patch for numeric keypad entry in result entry creates issue with arrow and enter keys (30016_Patch_6.10_18_July_2022)	A bug has been fixed in Results Entry so that numeric keypad entry and arrow as well as enter keys work fine
90.	Default Results not Populating for Tests Created from QC Batch	A bug has been fixed in QC Batching so that default results are populated for the tests created from QC Batch
91.	Process scheduler not saving psintervaltype	A bug has been fixed in Process Scheduler so that Process Scheduler is saving psintervaltype
92.	Results Entry Not Saving Selected Instrument	A bug has been fixed in Results Entry so that instrument selected from drop down list is saved along with the manually entered results.
93.	LABWORKS 6.10 to 7.1 DB upgrade errors	A bug has been fixed to resolve "LABWORKS 6.10 to 7.1 DB upgrade errors"
94.	Running Full Upgrade Script Issues with Removing DATASTORE settings	A bug has been fixed in "Upgrade DB Scripts" so that DATASTORE settings are not getting removed
95.	LWMultiComponentTransfer.exe failing to save results due to Oracle unique constraint violation	A bug has been fixed in LWMultiComponentTransfer so that the results are saved correctly
96.	Adjust MDLs by dilution factor inconsistent between LWMultiComponentTransfer and Mxcfer6.exe	A bug has been fixed in Multi Component Transfer so that MDLs are adjusted by dilution factor consistently between LWMultiComponentTransfer and Mxcfer6.exe
97.	WFA - Samples pre-NGmigration/Upgrade do not drop from Report queue after reporting	A bug has been fixed in LABWORKS so that samples are dropped from Report Queue after reporting
98.	NGMigration Tool runs out of memory during PSSCHEDULE to SAMPLE migration	A bug has been fixed to resolve NGMigration tool issue for TPPLOT table
99.	Process Scheduler allows duplicate location code	A bug has been fixed in Process Scheduler so that it does not allow duplicate location code
100.	Quicktrack does not allow adding certain containers	A bug has been fixed in LWQuicktrack so that it allows adding containers when corresponding analysis code is not added during sample login
101.	Sample modify won't allow you to add location/sample headers with 99 user fields	A bug has been fixed in Sample Modify so that more 100 user defined fields can be configured
102.	Autologin640 not honoring 'add unspecified analytes' setting on ACODE	A bug has been fixed in Autologin640 so that it honors 'add unspecified analytes' setting on ACODE
103.	QA/QC Batch Management - Missing samples and unhandled exception	A bug has been fixed in QA QC Batch Management so that list of samples is populated correctly and user can filter the records based on "Sample Status" picklist
104.	Checksum and Sample Status Update Issues	A bug has been fixed in LABWORKS so that sample status is updated correctly upon saving the results and checksum errors are removed

105.	7.1 UPGRADE FROM 6.10 ENTERPRISE DATABASE	A bug has been fixed in LABWORKS so that there are no errors while running SQL Scripts
106.	SYSCFG - unable to save/create new database	A bug has been fixed in SYSCFG so that new database can be saved/created
107.	SampleLogin - Create containers not happening	A bug has been fixed in LWSampleLogin so that containers are created upon sample login
108.	Result Entry/Sample Validation/Zip Reports - Speed issues	A bug has been fixed to improve the performance of Result Entry/Sample Validation/Zip Reports applications
109.	Sample Login PreLoginGroup Inserting Row Issues	A bug has been fixed in LWSampleLogin so that PreLoginGroup is saved and "insert rows" works properly while logging in samples.
110.	Using special information form as a grouping on location maintenance tree view results in Exception error	A bug has been fixed in Location List Maintenance so that Special Information form can be used for grouping on Location List Maintenance tree view
111.	Modify Analyte Name Creates New Component Rather Than Modify Existing	A bug has been fixed in Results Entry so that Modify Analyte Name modifies Existing Component instead of creating a New Component
112.	Multicomponent analyses option is missing from Backlog Reports in 7.0 and 7.1	A bug has been fixed in Backlog Reports application so that multicomponent analyses option is displayed
113.	Sample Login Saving PreLoginGroup Name and Description Allowing Space Character Switched	A bug has been fixed in LWSampleLogin so that space character is allowed in PreLoginGroup Description
114.	Location List Maintenance crashes when using "Special information form" in tree view	A bug has been fixed in Location List Maintenance so that it works properly when using "Special information form" in tree view
115.	Containers are not being sent to SAMPLE.DAT for BarTender labels	A bug has been fixed in LABWORKS so that container data is sent to SAMPLE.DAT for BarTender labels
116.	Sample Login Assigned Analysis Long List Not Fully Displayed	LWSampleLogin has been enhanced so that long list of assigned analysis codes are displayed properly
117.	NG MIGRATION - Failure converting varchar to numeric	A bug has been fixed in NG MIGRATION so that there is no failure in converting varchar to numeric
118.	Specification violation indicator not displaying in PS	A bug has been fixed in Process Scheduler so that Specification Violation indicator is displayed properly
119.	PS-retain-window-bug and Status for completed needs to be made available in PS	A bug has been fixed in Process Scheduler so that PS retain window is honoured
120.	Process Scheduler Issues	A bug has been fixed in Process Scheduler so that previous samples in the grid do not disappear upon clicking refresh
121.	QA Batching Samples with PAM MCSelect Records Not Available for Batching	A bug has been fixed in QA QC Batch Builder so that QA Batching Samples with PAM MCSelect Records are available for batching
122.	Results Entry Entering Analyst Name Appending New Entry Instead of Overwrite	A bug has been fixed in Results Entry so that when entering Analyst Name, existing value should be overwritten and not appended
123.	SAMPLE VALIDATION - Stalling/hang	A bug has been fixed in Sample Validation so that the application is responsive and does not hang

124.	RRLTSRC PR6 column is ignored unless RESULT SOURCE is also present	PostResults6 application has been enhanced to support RRLTSRC and RESULT SOURCE columns in PR6 input files
125.	UDF - Date displaying as time	A bug has been fixed in LABWORKS applications so that User Defined field displays date as well as time
126.	Spec Info Form Can Not Enter Time Part for Date Time Type Field	A bug has been fixed in Spec Info Form so that user can enter Time Part for Date Time Type Field
127.	PS Sample Receipt Change Subdate not Saving	A bug has been fixed in Process Scheduler so that SubDate value received from the input file is saved during PS Sample Receipt
128.	Process Scheduler v7 Bld 278 Can Not Select Mulitple Samples Right Click	A bug has been fixed in Process Scheduler so that multiple samples can be selected on right click
129.	Process Scheduler Ready Collect to Waiting Analysis Removing Tests from Sample	A bug has been fixed in Process Scheduler so that the tests are not removed from the Sample
130.	LWMultiCompTransfer PR6 Instrument Assigned Not Saving	A bug has been fixed in LWMultiCompTransfer so that instrument assigned through PR6 file is saved correctly.
131.	Progress Report No Sample and Result Data Populated v7	A bug has been fixed in Progress Report so that Sample and Result data is populated correctly.
132.	LWSampleLogin - Location Code Missing Logged Sample Status Configuration	A bug has been fixed in LWSampleLogin so that Location Code is displayed on "Logged Samples" summary screen as per the configuration.
133.	ScanDaemon multiple file processing does not work	A bug has been fixed in Scan Daemon so that putting two instruments in the same SDG (ScanDaemon group) does not cause the second import to fail
134.	PS Sample Receipt Removing Tests without Container	A bug has been fixed in Process Scheduler so that application displays a message if any tests are not assigned a container, instead of directly deleting the analysis.
135.	Error when attempting to add Qualifications to Personnel in Test Enviroment	A bug has been fixed in LWTrainingAndMaintenance so that Qualifications can be added to Personnel
136.	LWExplorer Datatable error logged	A bug has been fixed in LWExplorer so that datatable error is not logged
137.	QC Batch Builder Start date/End date	A bug has been fixed in QA QC Batch Build so that Start and End date is set as "Current Date - 7" and "Current Date" respectively, if SYSMGR setting "Retain QA QC Date Range Context" is set to True

Known Issues and Workarounds

Support for Crystal Reports has been divided into two installers. Embedded in the standard ClientSetup65.msi is the Crystal 2013 Runtime display support. If the user also requires Crystal XI Report Designer Control (RDC), then the user must install CrystalXIRDC.msi.

When CrystalXIRDC.msi is installed, if IIS isn't installed on the computer, then the folders "css", "html", "images", "js", "prompting" folders get created in the c:\ folder. These folders are created as part of the Crystal Reports merge module. The option in the merge module to disable creation of these folders when IIS isn't present doesn't work as documented.

Technical Support

This software is supported by Labworks LLC.

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