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LABWORKS LIMS v6.10

Release Notes

Last Updated: MAY 2020

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Introduction

This document contains the release notes for LABWORKS 6.10. 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 6.10 is the latest version of LABWORKS LIMS.

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 imports	A bug has been fixed such that when CopyResults application is used the qualifier is set to "C", showing its a copied result
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

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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

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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 Columns in Grid	Process Scheduler application has been enhanced to support 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

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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)

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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

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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

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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

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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

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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.

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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

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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.

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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).

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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

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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.

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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.

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

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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 "Rltsource" 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

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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.

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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.

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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.

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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

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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

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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.

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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

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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

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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

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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.

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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.

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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.

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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.

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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

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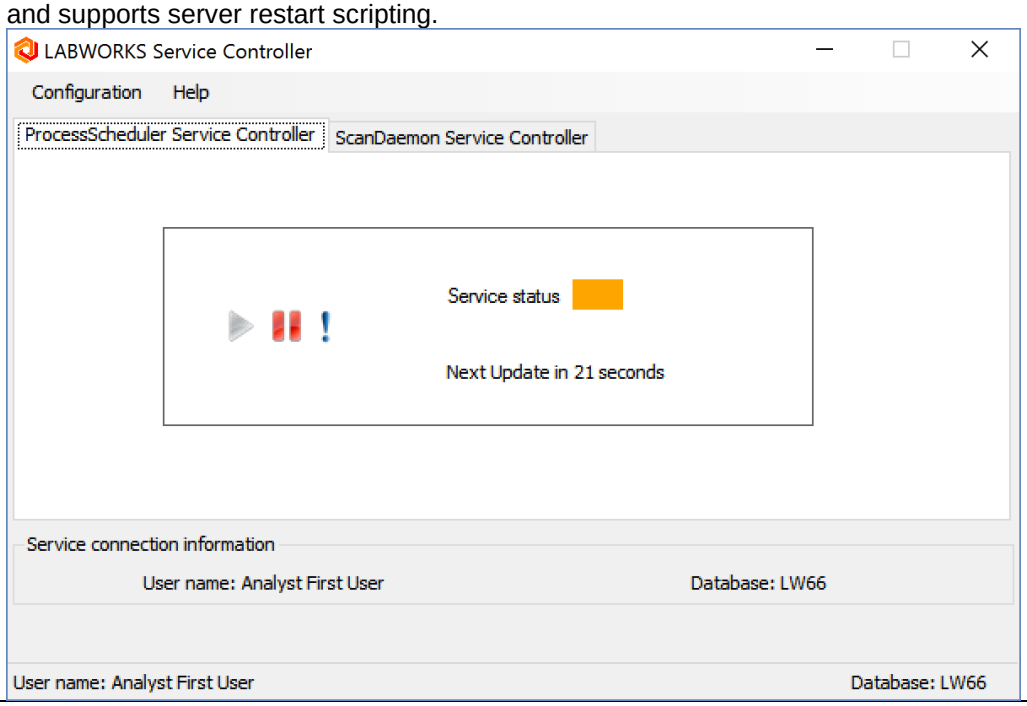
Description:	PostResults6: Added POSTRUN option to run command line programs as part of PR6 processing.

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.

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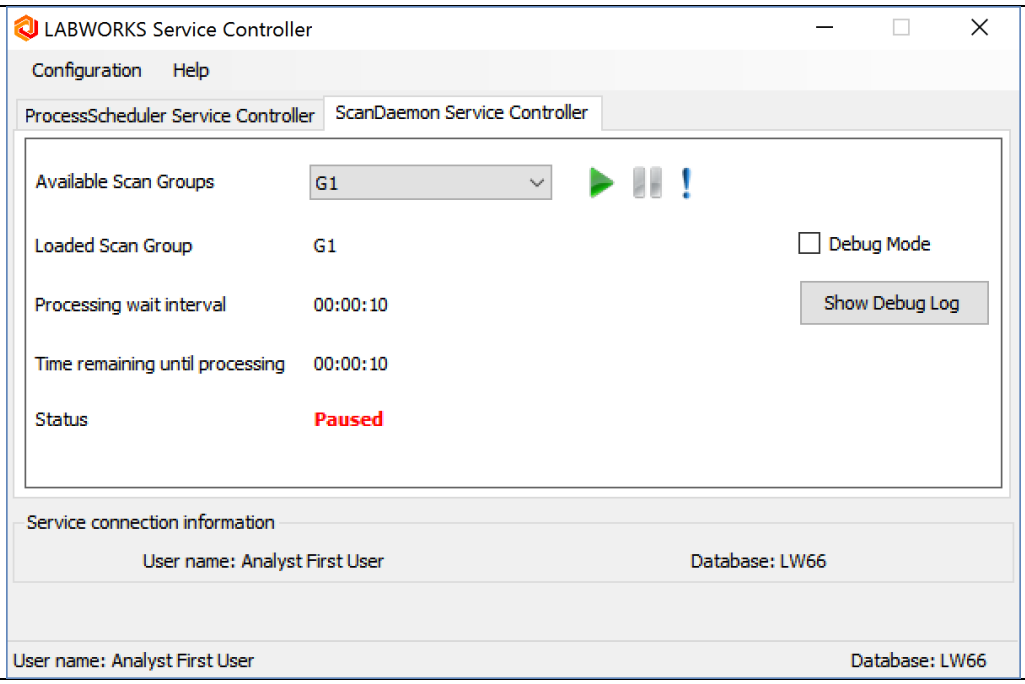
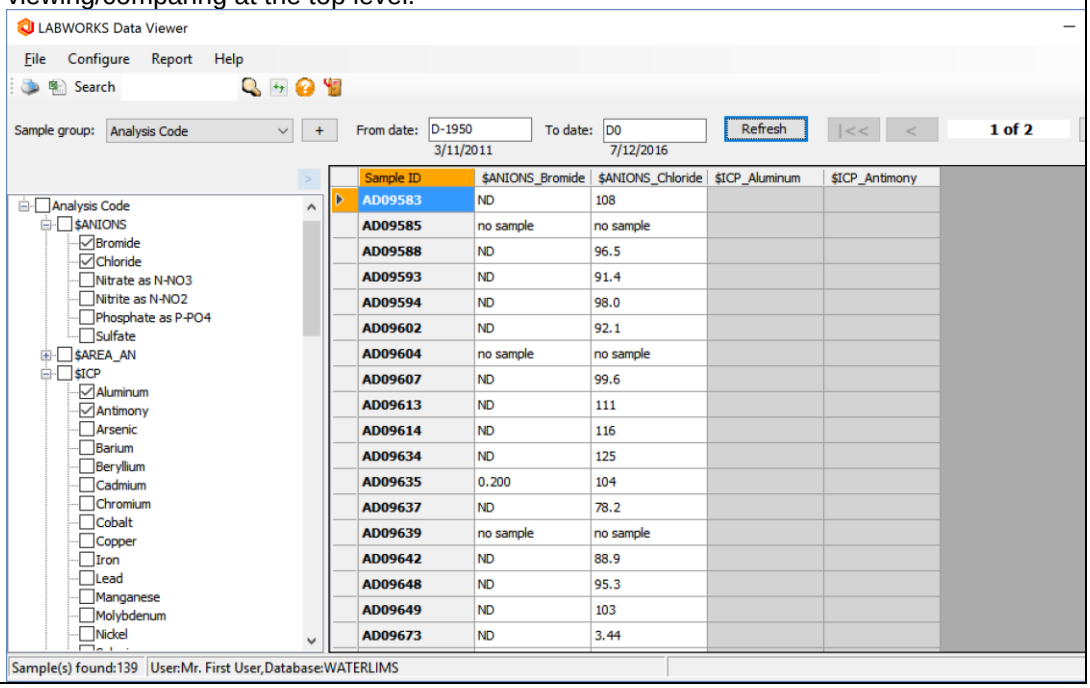


Item:	LWDataViewer – Display of Multi-Component Analytes at top level
Description:	Individual analytes from a multi-component test can new be selected for viewing/comparing at the top level.



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

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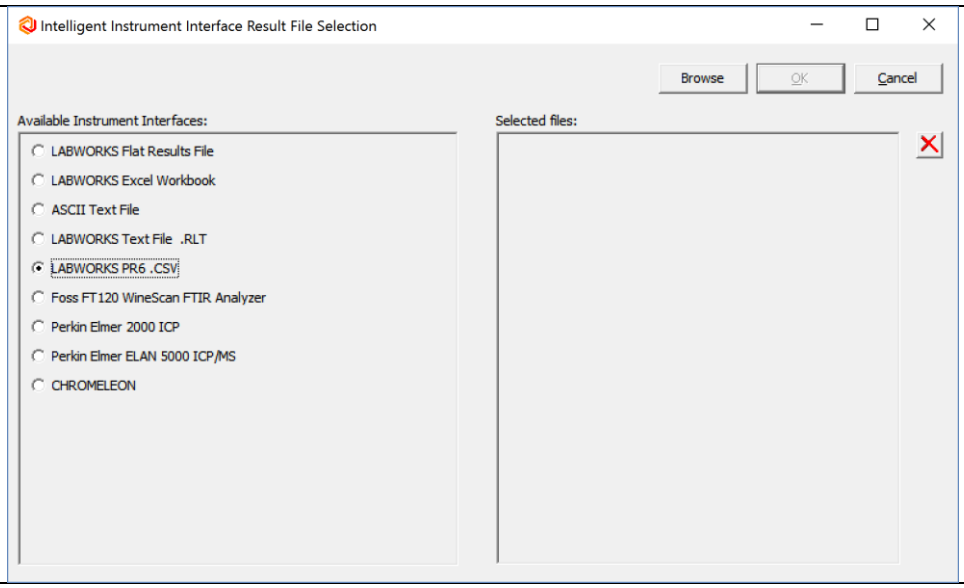

Item:	ResultEntry – Usablity
Description:	Improvments: 1. Violations of Multicomponent Tests displayed at top level 2. One button export to excel 3. Evaluation of specifications when results container <>. Example Upper Spec 10, result “>15” fails 4. Multi-Compoent – Date/Time edit copied to all analytes.

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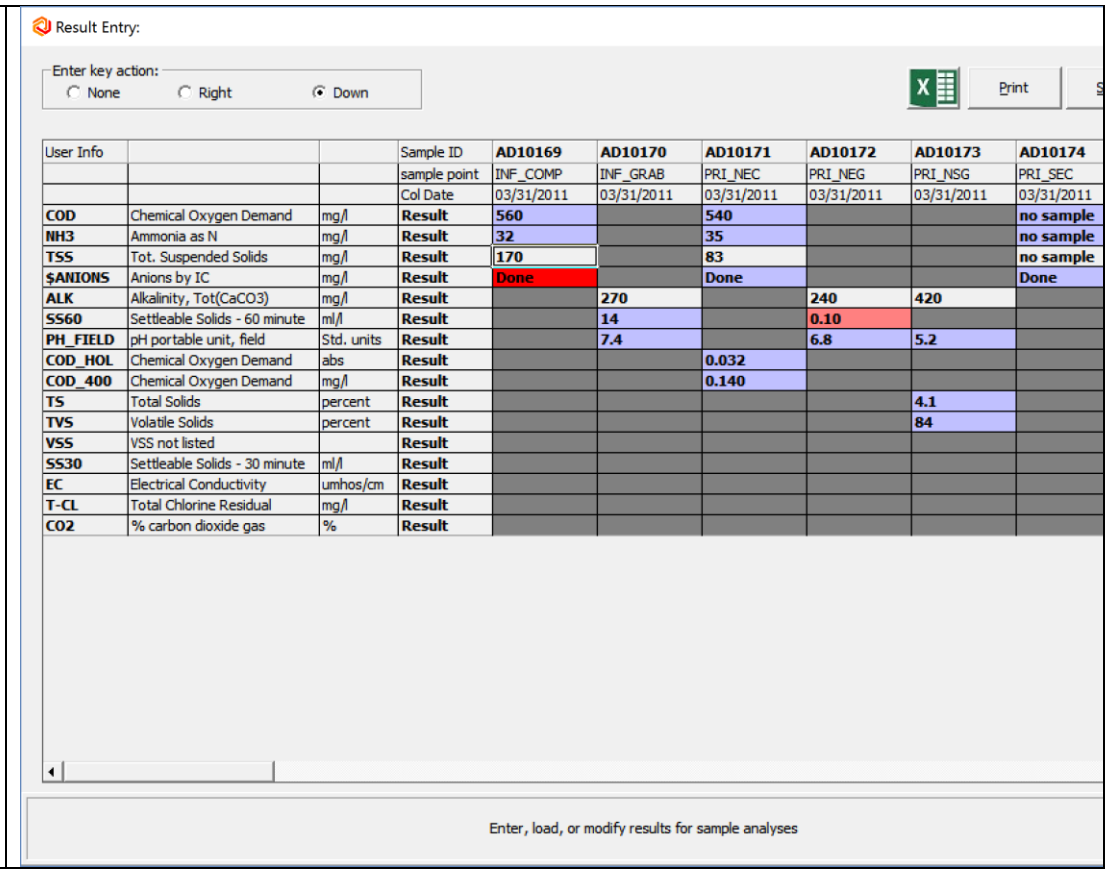
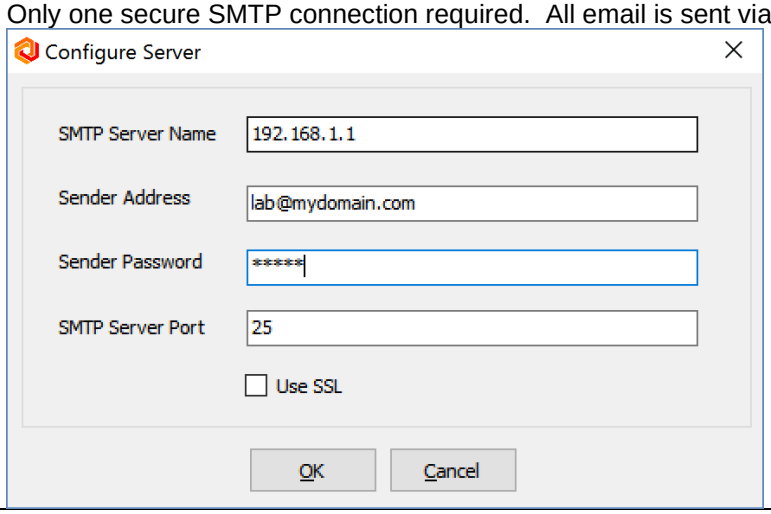


Item:	Email Gateway
Description:	Only one secure SMTP connection required. All email is sent via the Server.



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.

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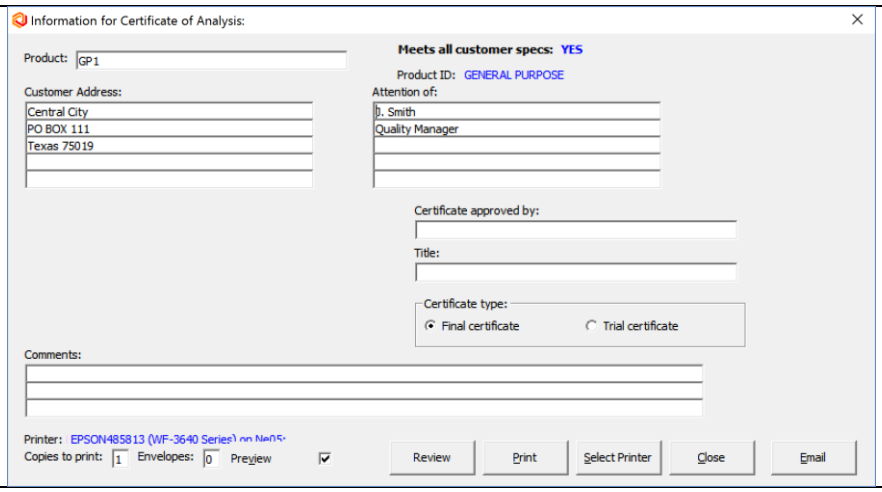
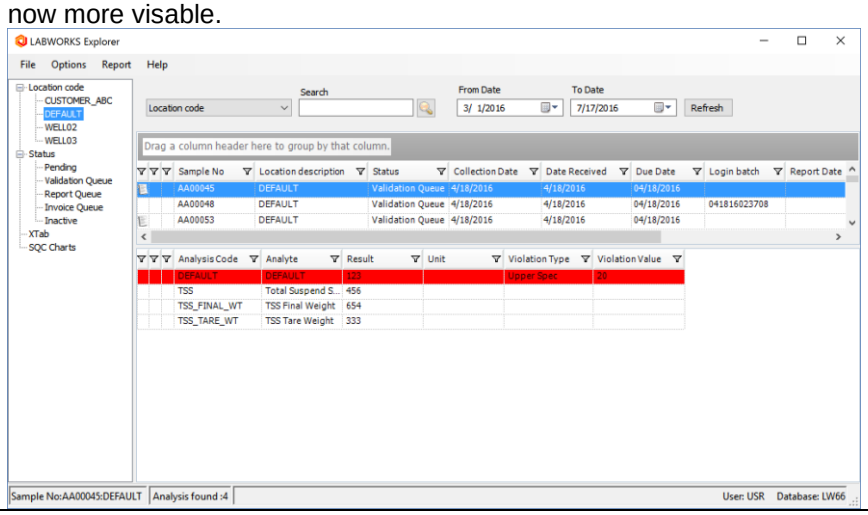


Item:	LWExplorer – First Row of results not hightlighted by default
Description:	The first row of the results is not highlighted. If the first row is a violation, the violation is now more visable.



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

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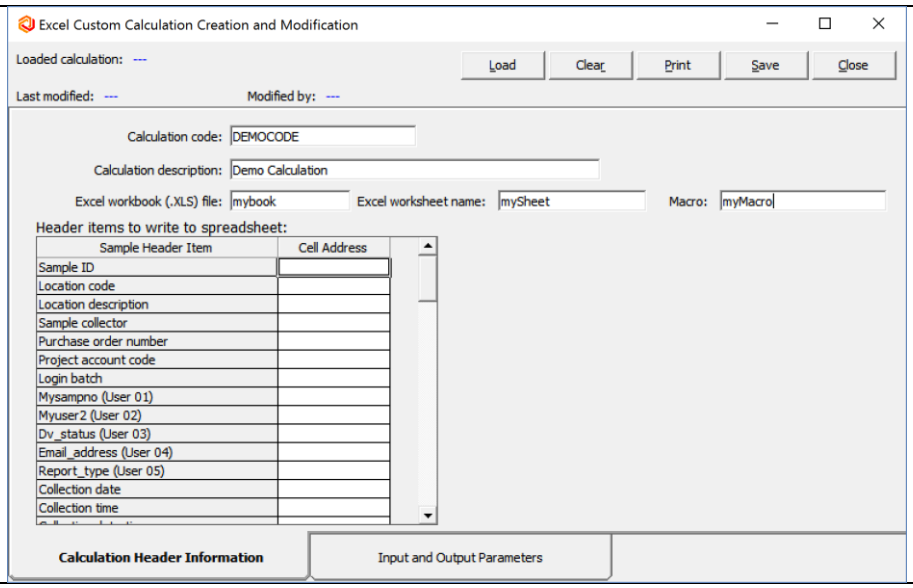

Others:

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

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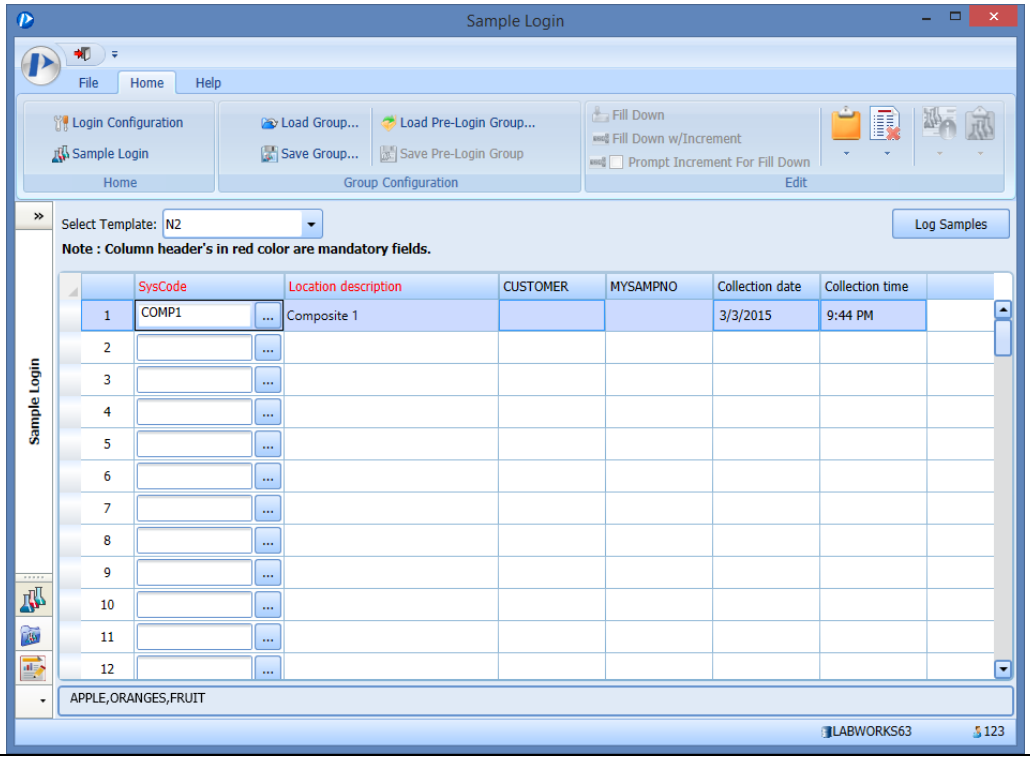
What's New 6.5

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



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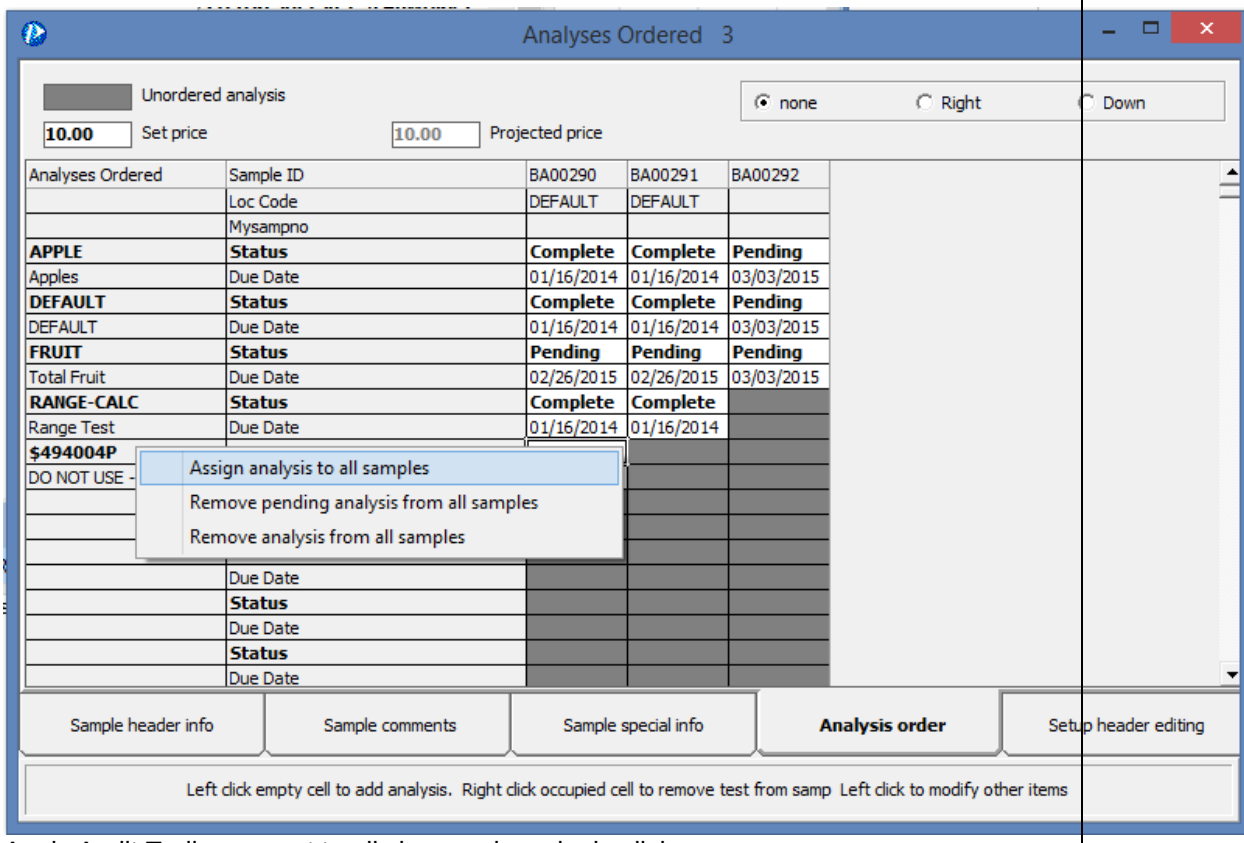
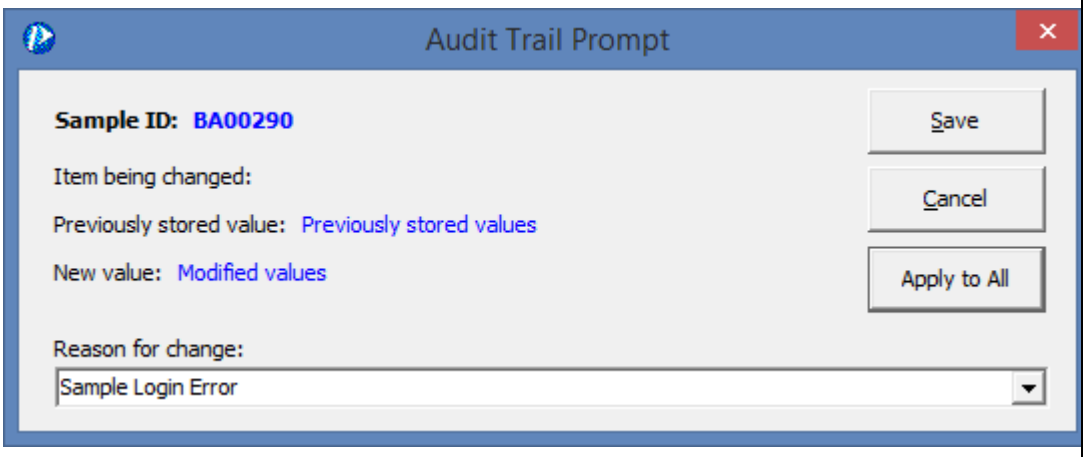
Item:	Sample Modify Improvements
Description:	Add/Remove analysis to multiple samples with a single click.



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



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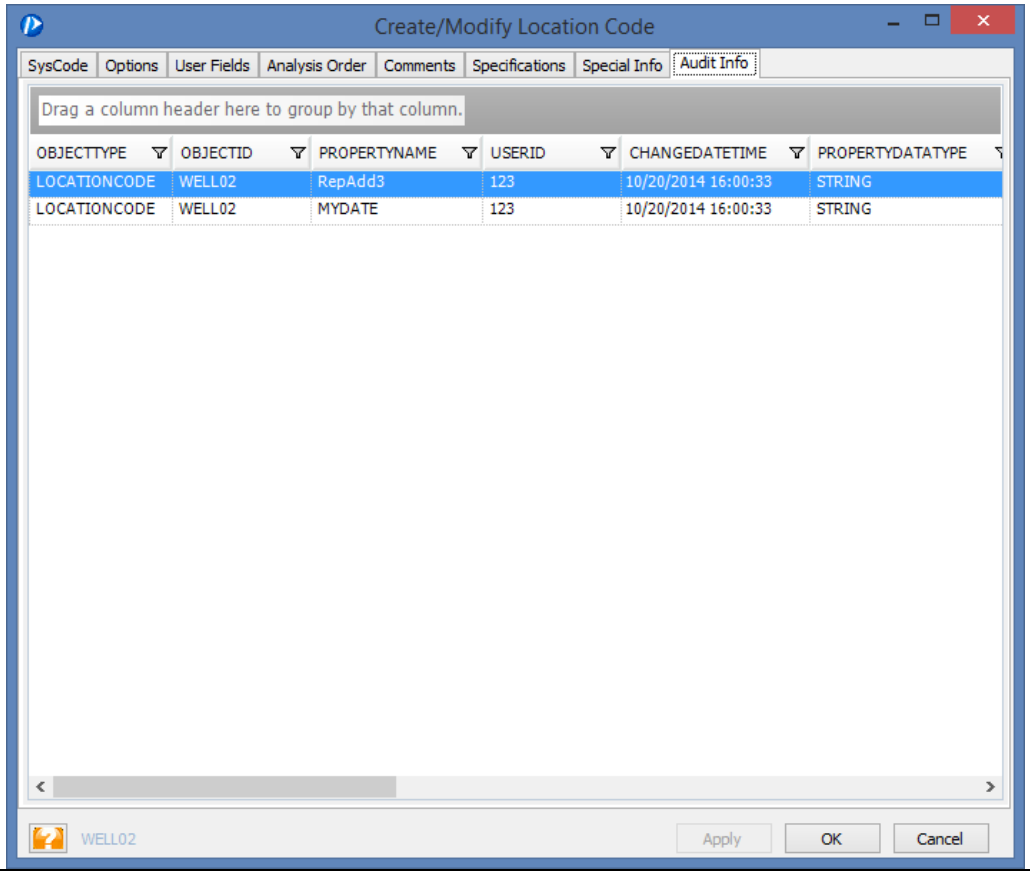
Item:	Analysis/Location Code Improvements
Description:	Directly Access Audit Trail from the application.



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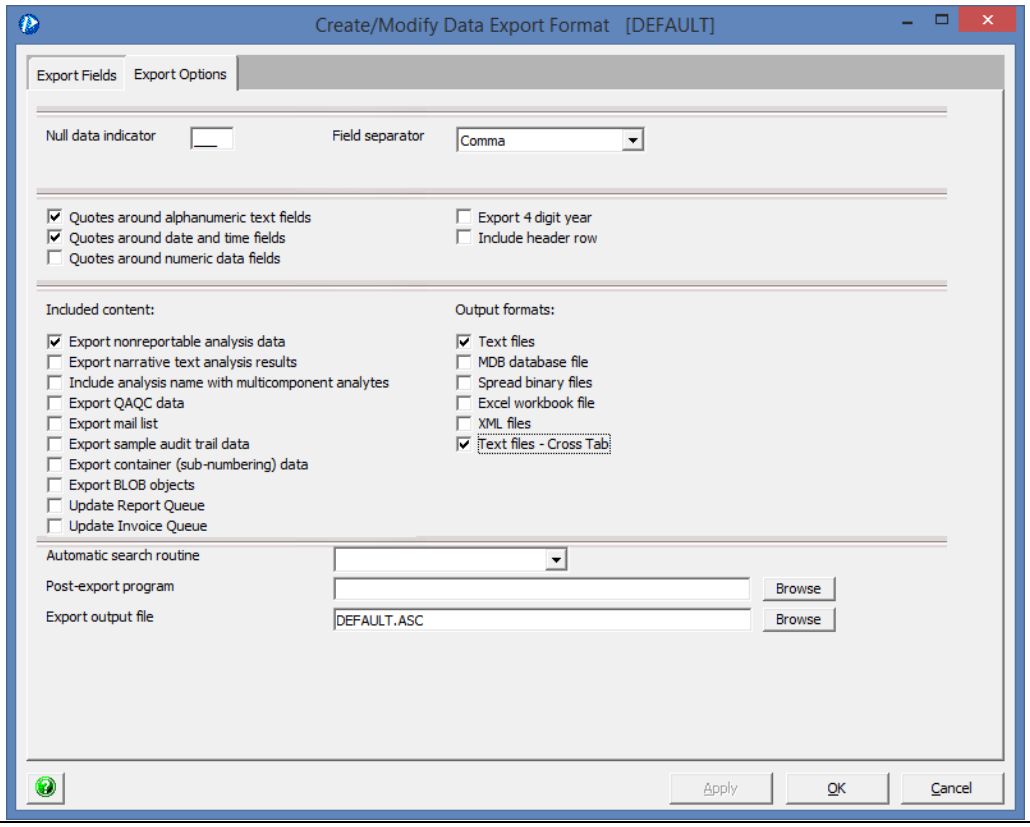
Item:	Data Export Improvements
Description:	Directly export to Cross Tab from LabWorks.



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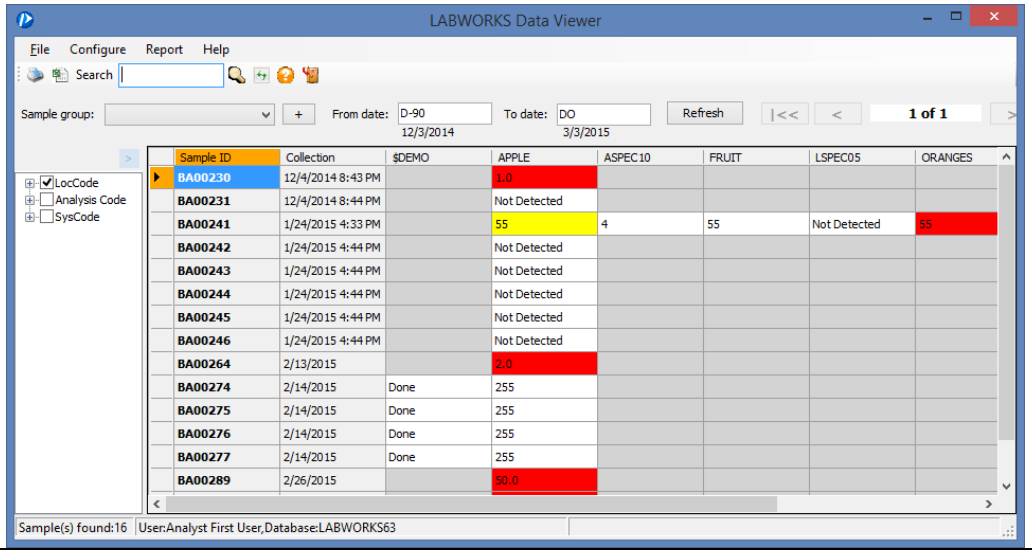
Item:	LWDataViewer Improvements
Description:	Added support for Relative Dates. Ex: always display last 90 days.



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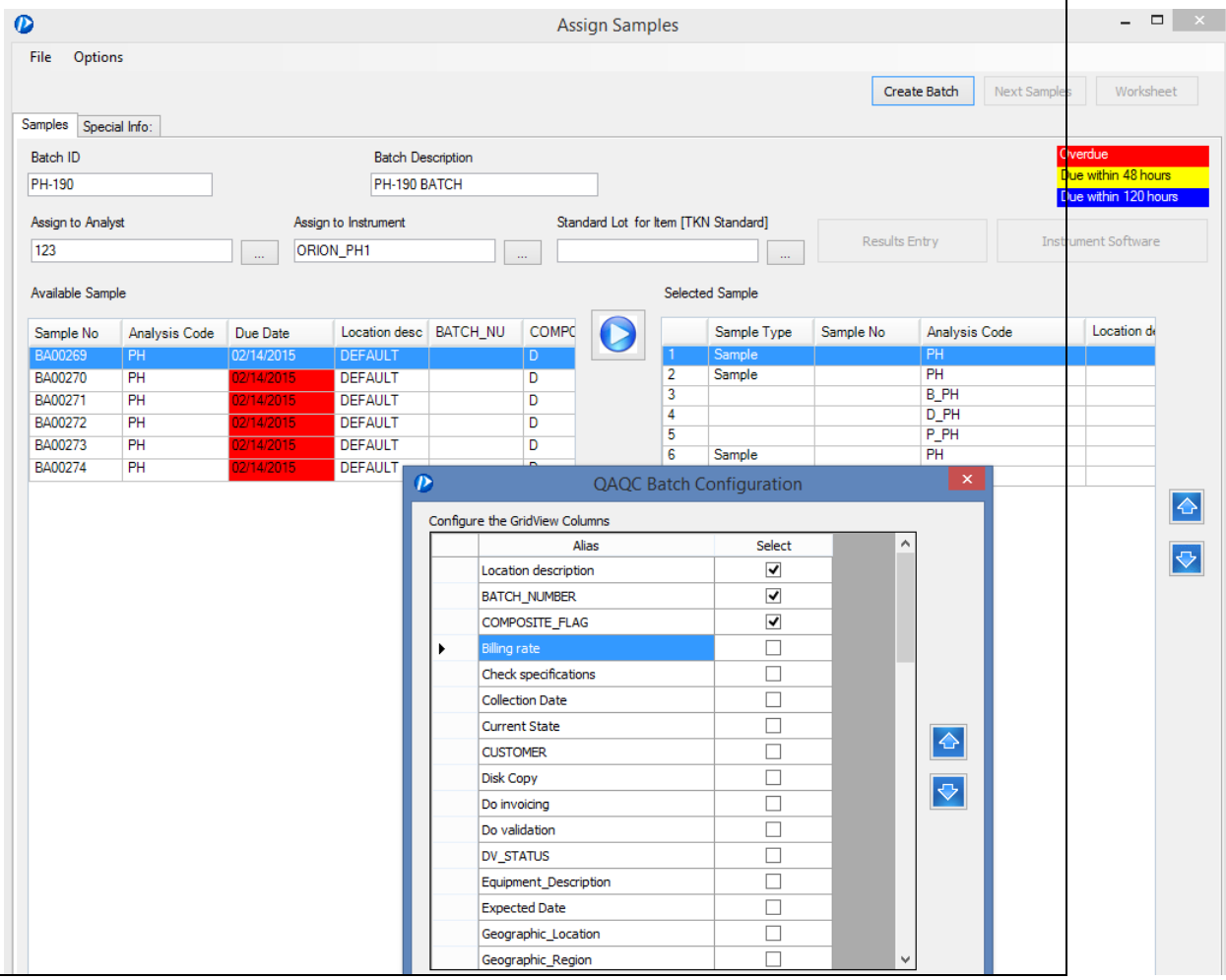
Item:	QA/QC Batch Builder Improvements
Description:	User configurable Columns – Add User defined data



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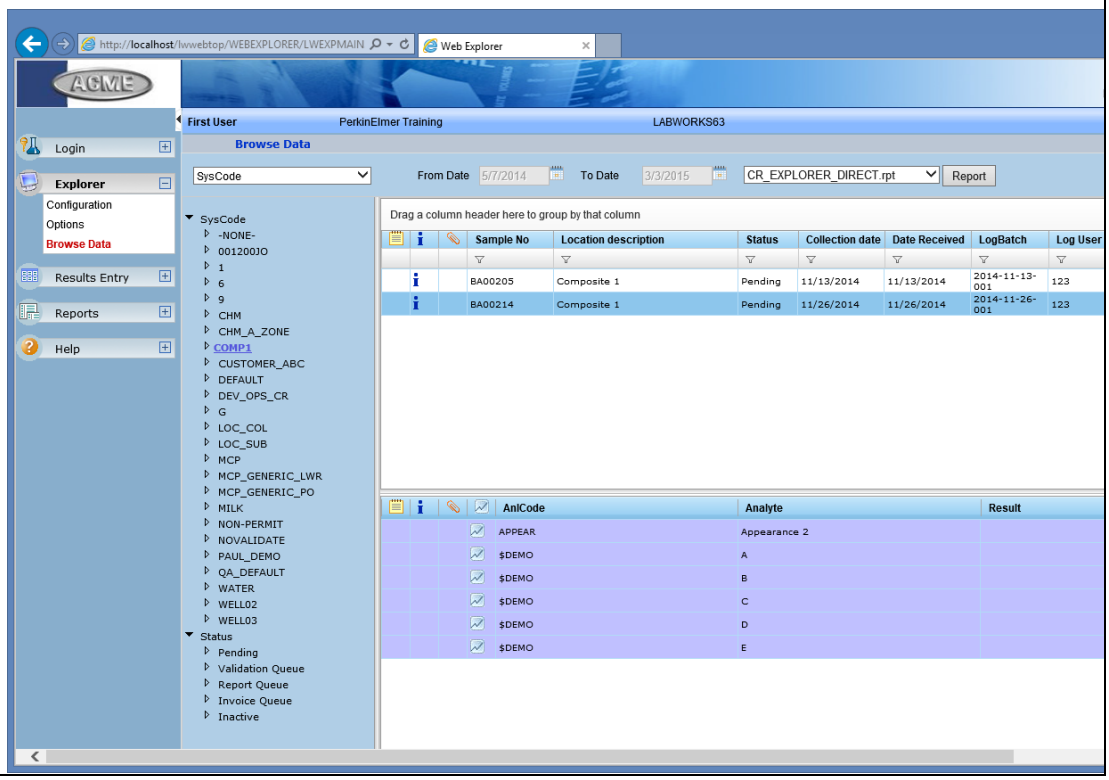
Item:	WebTop Improvements
Description:	Enhanced to support newer browsers, better screen usage, easier access to reports. 

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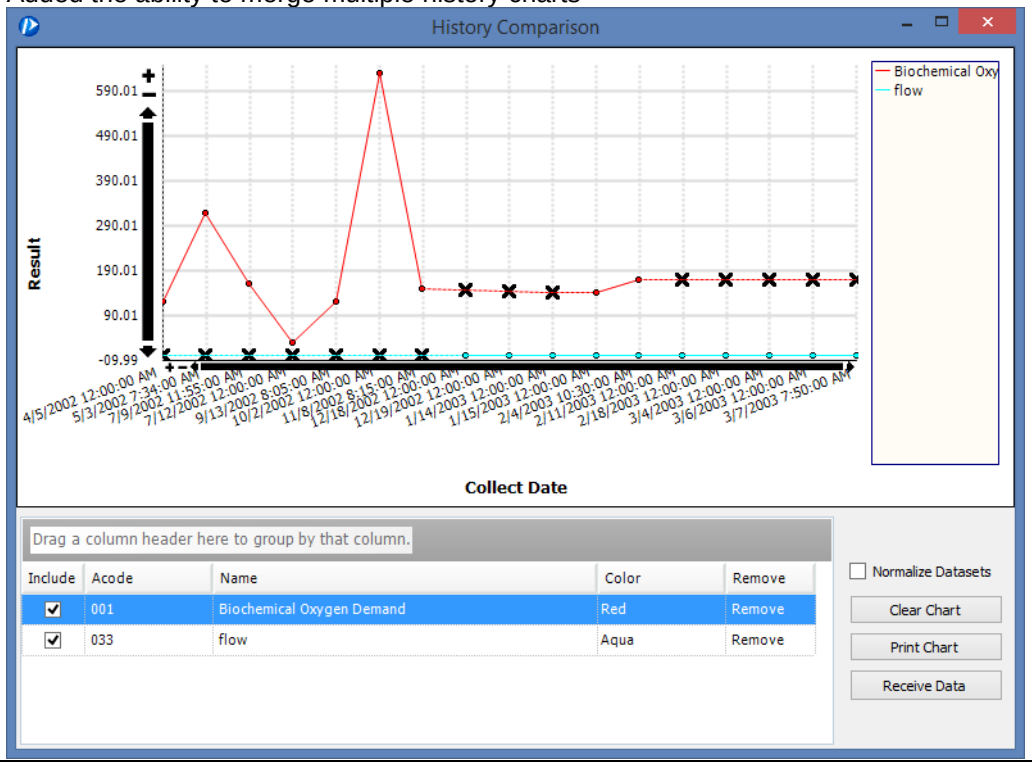
Item:	Graphical Trend Viewer
Description:	Added the ability to merge multiple history charts



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 6.9:

Sr. No	Configuration	Updated in	Default Value	Behaviour
1	RECALC	SYSMGR	False	Functionality works as earlier. Moved RECALC from Labworks.ini to SYSMGR.
2	USE_CALCULATION_ENGINE	SYSMGR	True	If USE_CALCULATION_ENGINE checked use default calculation engine else use legacy calculation engine.
3	CALIBRATION_NOTIFY_RECIPIENTS	SYSMGR	Blank	Configure email ids separated by comma to get calibration due date notification mails. In case, the default value is zero, email notifications will not be sent.

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4	CALIBRATION_WARNING_DAYS	SYSMGR	0	Configure number of prior days to the calibration due date, on which email notifications should be sent. In case, the default value is zero, email notifications will not be sent.
5	MAINTENANCE_NOTIFY_RECIPIENTS	SYSMGR	Empty	Configure email ids separated by comma to get maintenance due date notification mails.
6	MAINTENANCE _WARNING_DAYS	SYSMGR	0	Configure number of prior days to the maintenance due date, on which email notifications should be sent. In case, the default value is zero, email notifications will not be sent.
7	SAMPMODIFY_DUEDATE_RECALC	SYSMGR	0	Show/Hide prompt to recalculate due date in sample modify.
8	PS_USECOLLECTED	SYSMGR	True	In Sample Login add “COLLECTED” status to initial status if PS_USECOLLECTED is checked.
9	DBVERSION	SYSMGR	6.9.0.0	Current database version.
10	CINV_OVRDEXPDATE	SYSMGR	False	Functionality not updated. Updated privilege name from OVRD_EXP_DATE to CINV_OVRDEXPDATE
11	SHOW_MCSELECT	Labworks.ini	Yes	Display MC Select menu item in Process Scheduler if flag SHOW_MCSELECT configured as YES.
12	RESULTSENTRY_DISABLE_TIMECHECK	SYSMGR	True	If flag set to true do not check for condition, start datetime should not be greater than end datetime in Result Entry application.
13	CURRENT_LOCATION	SYSMGR		It is a human-readable current location description (address/city/state/zip code). When opening maps (from Sample Login or from Location Maintenance), the map is positioned at this location if the address field is not defined.
14	GOOGLE_MAPS_API_KEY	SYSMGR		It is a Google Maps API key that is used to map controls work correctly.

Configuration changes in 6.8.5:

Sr. No	Configuration	Updated in	Default Value	Behaviour
1	ADMINISTRATOR_EMAIL	SYSMGR	Email Address	To configure email id of Administrator.
2	ALLOW_ANLCODE_DELETION	SYSMGR	True	To set to allow deletion of Analysis code.
3	ALLOW_LOCCODE_DELETION	SYSMGR	True	To set to allow deletion of Location code.

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4	ALLOW_RAW_RESULT_MANUAL_ENTRY	SYSMGR	True	To set to allow manual result entry.
5	AUDIT_REASON_LATEST_AT_TOP	SYSMGR	True	To set to display latest reason at top.
6	DUE_COLOR_FONT	SYSMGR	Colour Name	To set font colour of due samples.
7	EXPORT_SAMP_SPEC	SYSMGR	True	To set to allow export of sample specifications.
8	OVERDUE_COLOR_FONT	SYSMGR	Colour Name	To set font colour of overdue samples.
9	SHOW_STATUS	SYSMGR	True	To display Select Initial Status drop down in LWSampleLogin.
10	STATISTICAL_SIGFIG_VALUE	SYSMGR	Vaule	To set SIGFIG value.
11	USE_COL_SUB_TIME	SYSMGR	True	To use collection time.
12	WARN_DUE_COLOR_FONT	SYSMGR	Colour Name	To set warning due colour font.
13	WEB_REPORT_PATH	SYSMGR	Folder Path	To set web report path.

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 i.e. 6.9.

The following issues were fixed in LABWORKS version 6.10:

Sr.No	Item	Description
1.	Access Reports Sample Comments Line 1-x Issue.	A bug has been fixed so that in Access Reports, Sample Comments for lines 2-x are displayed properly.
2.	Backlog Report does not show method information	A bug has been fixed in Backlog Report so that method information is displayed in the report
3.	BACKLOG - Incorrect Data Fields	A bug has been fixed in Backlog Search application so that the data in the backlog search results is displayed under respective column headers
4.	COA not printing selected LOT NUMBER	A bug has been fixed in COA such that the currently selected LOT Number is printed with the COA
5.	COAPRN6 on hold for 30 seconds when changing CB Entry	A bug has been fixed in COAPRN such that COAPRN6 is not kept on hold when changing CB Entry
6.	COAPRN requires screen resolution of 960 in height	A bug has been fixed in COAPRN Application such that the bottom part of the form is not truncated due to lower resolution.
7.	Cross reference search query script references missing field	A bug has been fixed in Cross Reference Search such that search query works fine for all the criteria
8.	Crystal Reports Export – Analyte PQL values.	A bug has been fixed in Exptdata6 application such that default analyte PQL is exported.
9.	Data Export - PQLxDilution Factor	A bug has been fixed so that QCChart exports TPQL value as APQL value multiplied by ADFL value

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10.	Autoemail\Saving or Executing SMTP Email Configuration Functions Not Working For FIPS Implementations	A bug has been fixed such that Autoemail\Saving or Executing SMTP Email Configuration Functions are working for FIPS Implementations
11.	eWorksheet - Using Macro to open another excel file can't close the file.	A bug has been fixed in eWorksheet application so that eWorksheet Template excel file can use a macro code to open another excel file as data to import and then close the same without closing eworksheet itself.
12.	eWorksheet Post Results Error - Item with same key has already been added	A bug has been fixed in eWorksheet so that appropriate error message is displayed if the eWorksheet Template has 2 columns with the same name
13.	eWorksheets - Excel Rendering	A bug has been fixed in eWorksheet application so that the Excel portion of the Window is properly rendered
14.	eWorksheets- Switching to LW Desktop Window/Excel Workbook Toolbar/Results not posting	A bug has been fixed in eWorksheet application so that focus remains on eWorksheet application, Excel Workbook Toolbar is not displayed and results are posted appropriately to LABWORKS database.
15.	eWorksheets - Excel/display resolution	A bug has been fixed in eWorksheet application so that eWorksheets display properly for all display settings
16.	eWorksheet - Won't reopen from QC Batch	A bug has been fixed such that eWorksheet reopens from QA QC Batch even if result data entry has been performed for all the batch samples.
17.	eWorksheet preview will not display until maximized	A bug has been fixed in eWorksheet such that launching eWorksheet from QAQC Batch builder will open eWS in maximized form
18.	Excel extension incorrect during export data	A bug has been fixed so that correct excel extension is used during export data.
19.	Export Data - Tests pending - ACOM = PENDING	A bug has been fixed in Export Data application so that Result Indicator for the pending analysis can be configured through the application with default value as "PENDING".
20.	Gateway Admin Update User List USERHEAD.LDAPUSERID blank	A bug has been fixed to support Universal Groups for domain setup in LABWORKS
21.	LABWORKS Calculations Produce Incorrect Results Upon Recalculation When RAW Results In Play	A bug has been fixed such that LABWORKS calculations produce correct results upon recalculation, using RAW results, when inputs change
22.	SAP OCX errors during upgrade process	A bug has been fixed so that no SAP OCX errors are displayed during upgrade process.
23.	Legacy MCT: If PR6 file doesn't have AEND and AENT then results are not loaded	A bug has been fixed in legacy Multicomponent Transfer so that even if PR6 file does not contain AEND and AENT the results will be loaded
24.	Cannot select drives, paths or network locations for importing result files	Legacy Multi Component Transfer application has been enhanced to support the selection of drives, paths or network locations
25.	Legacy MultiComponent Transfer Units pulling from Default Analysis Units	A bug has been fixed in Legacy Multi Component Transfer application so that analyte unit is used instead of default unit for Analysis Code, when loading the result.
26.	Location Maintenance item list display	A bug has been fixed in Location List Maintenance such that the date fields are sorted as date and not as string
27.	Analysis Reference Export Field Length 50 characters truncated to older 16 characters	A bug has been fixed such that Analysis Reference Export Field length of 50 characters is no longer truncated to older 16 characters.
28.	Data Viewer does not display day 31 of month when using relative dates	A bug has been fixed so that Data Viewer displays day 31 of month when using relative dates
29.	Dataviewer and LWExplorer Display History All sample Points behaves as one sample point	A bug has been fixed in Dataviewer and LWExplorer's display history, where all sample points was only reporting one sample.
30.	DataViewer - Oracle. User can save Two Filters with the Same Name, Different Case	A bug has been fixed in LWDataViewer so that user cannot save two filters with the same name and different case (e.g. lower/upper)

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31.	DataViewer not exporting Child Records	A bug has been fixed in LW DataViewer so that Child Records are exported as well.
32.	DATAVIEWER - Export to Excel	A bug has been fixed in LWDataViewer so that data is exported to Excel.
33.	LWDataViewer - Error - No data displayed.	A bug has been fixed in LW Data Viewer application so that the data is loaded properly even if the user does not select "Analysis Code" as "Sample Group" in Tree View.
34.	Focus issue on client applications in LABWORKS Desktop.	A bug has been fixed in LWDesktop such that open applications are always displayed in taskbar
35.	Domain Authentication - Disappearing deskmenu, toolbar and privileges	A bug has been fixed in LWDesktop so that after updating the user list for active directory authentication in sysconfig, all the user's deskmenus, toolbars, and privileges are not wiped out.
36.	ANSI extended characters can be entered into forms in LABWORKS but will not save to database.	A bug has been fixed so that ANSI character e.g. µ will be saved properly when imported through PR6
37.	EXPLORER - Missing Units	A bug has been fixed in LWExplorer so that result units are displayed
38.	Running Crystal report from LABWORKS EXPLORER then trying to validate sample results in SAMP.TXT not found	A bug has been fixed LABWORKS EXPLORER so that Crystal Report executes properly while running the report for the second time.
39.	LWExplorer Display Non Reportable When Option is to Not Display	A bug has been fixed to not Display Non Reportable analysis in show LWExplorer when Option is to Not Display Non Reportable
40.	Chemical Inventory - Manual Stock Reconciliation issue after migration	A bug has been fixed to improve the performance of migration of data from previous Chemical Inventory to LWInventoryManagement
41.	LWMultiComponentTransfer - Replicates posting but not the Analyte Summary	A bug has been fixed in LWMultiComponent Transfer so that the original result(s) does not get overwritten with an average of the replicate values for each analyte.
42.	Dionex Peaknet 6 .txt interface does not load data	A bug has been fixed so that for Legacy Interfaces, the instrument interface details are loaded even if the component date time is not specified in the input file.
43.	Instrument import Thermo ICP posts incorrect dates	A bug has been fixed in LW MultiComponent Transfer so that analysis date/time received from the instrument export file is saved
44.	PEWinlab/Winlab 32 interface does not load data	A bug has been fixed so that for Legacy Interfaces, the instrument interface details are loaded even if the component date time is not specified in the input file.
45.	LWMultiComponentTransfer Replicate Averaging with Selected Replicates	A bug has been fixed in LW MultiComponent Transfer so that only 'Selected' Replicates are considered when committing the results to the database.
46.	LWMultiComponentTransfer - Slow Save, 'Report All Components' unchecked	LWMultiComponentTransfer Application performance has been improved.
47.	LW Sample Login- Unable to log in samples\"Input string was not in a correct format"	A bug has been fixed in LW Sample Login so that if previous Sample LogBatchID is non-numeric, then the new incremented LogBatchID starts with 1
48.	Login Record File Formats Do Not Display Time Correctly in LWSampleLogin.exe When Using Military (24 hour) Clock Time	A bug has been fixed in LWSampleLogin so that Record File Formats display time correctly when using Military (24 hour) Clock Time
49.	Prelogin group name truncated to 24 characters in new sample login	A bug has been fixed in LWSampleLogin so that Prelogin group name is not truncated to 24 characters
50.	Date and time entry in LWSAMPLE LOGIN	LW Sample Login has been enhanced to support automatic masking of input date and time as per the format.
51.	Sample Login Display Underscore Character Issue	A bug has been fixed in LWSampleLogin so that the underscore character of a value placed in a cell in LWSampleLogin does not disappear when user moves to a different field/cell
52.	LWSampleLogin.exe Setting Analysis Due Dates Incorrectly as	A bug has been fixed in LWSampleLogin so that the analysis due date is set correctly from collection date

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	PreLoginGroup Moddate Rather Than Set From Collection Date	
53.	New sample login will not save special info form data edit	A bug has been fixed in LWSampleLogin so that Special Info form data can be edited and saved
54.	Prelogin Groups in LWSampleLogin - LogUser is not Current User	A bug has been fixed in LWSampleLogin such that SAMPLE.LOGUSER is current logged-in user instead of user defined in PreLogin file
55.	FIPS Compliance Error - LWDataServices Configuration	A bug has been fixed so that LWDataService - Service Connection Configuration can be performed even if LABWORKS is configured as FIPS compliant
56.	LWWebTop Read-only User Not Authenticating.	A bug has been fixed so that LWWebtop read-only user can authenticate successfully.
57.	LWWebtop explorer ability to set the filter directly	A bug has been fixed so that LW WebTop has the selection criteria drop down option on the Explorer page itself.
58.	LWWebtop report issue	A bug has been fixed in LWWebTop so that the result grid pane is now always visible
59.	Sequence/order for analysis result not kept & Date format incorrect in Web Top Explorer	A bug has been fixed so that sequence/order for analysis result is maintained. Also date format is displayed correctly in Web Top Explorer.
60.	MCSelect replacing analysis name with analysis code for single component tests	A bug has been fixed in MCSelect and ExportData applications so that analysis name is used instead of analysis code for single component tests.
61.	MCSelect filtering analytes does not apply AFTER results are entered	A bug has been fixed in ExportData application, so that if the result filtering occurs after the results are entered, then only the analytes filtered through MCSelect will be exported / reported through a .CEF.
62.	Legacy2 Multi-Component Transfer adds an apostrophe incorrectly to the test code	A bug has been fixed in Legacy Multi-Component Transfer so that an apostrophe does not get added to the test code incorrectly
63.	MOR report with large number (5000) samples takes 40 minutes to complete	MOR Report has been enhanced to improve the performance
64.	Double quotes used in login are changed to single quotes	A bug has been fixed in Multi Sample Login so that double quotes used in login are not changed to single quotes
65.	MultisampleLogin does not retrieve all the info saved in the prelogingroup record of the database	A bug has been fixed in Multi Sample Login application so that all the info saved in the prelogingroup record of the database is displayed to the user.
66.	Multi-Sample Login- Copy/Paste Analyses	A bug has been fixed in Multi Sample Login so that analyses data is copy/pasted
67.	MULTI-SAMPLE LOGIN - Deleting database pre-login groups containing decimals in name	A bug has been fixed in MultiSampleLogin so that a pre-login group can be deleted even if "PreLoginGroupName" contains a decimal.
68.	PostResult6 error when not using DISPLAY in command line	A bug has been fixed so that PostResult6 processes input file even when not using DISPLAY in command line
69.	PostResult6 Errorlog entry wrong for Number of samples/Results	A bug has been fixed in Process Scheduler such that number of samples and results posted is displayed correctly.
70.	PostResult6 not posting units to RLTUNIT in RESULT	A bug has been fixed such that RLTUNIT field from RESULT is now getting populated with PR6 imports.
71.	Process Scheduler Ready to Collect - Collection Time after Sample Modify	A bug has been fixed in Process Scheduler so that opening Sample Modify from PS UI, the collection date/time is not updated and maintained as it is in Process Scheduler
72.	PS Single time Schedule generates duplicate sample	A bug has been fixed in Process Scheduler so that only one sample is created when requested time falls in the 1 hour preview period
73.	Process Scheduler does not show + sign for new samples under a group	A bug has been fixed in Process Scheduler so that + sign is displayed for new samples under a group
74.	Process Scheduler - Timed Group Setup Screen Size	A bug has been fixed in Process Scheduler so that "Timed Group Setup" screen size is appropriate

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75.	Case sensitivity on BarTender label names	A bug has been fixed to remove case sensitivity on BarTender label names
76.	PS Login : Disable login button while existing sample login in progress	A bug has been fixed in Process Scheduler application so that login button is disabled while existing sample login is in progress.
77.	PROCESS SCHEDULER - Won't Launch	A bug has been fixed in SYSCFG - SQL Server driver selection so that legacy applications can be launched.
78.	CNL - Samples being added into the same Login Batch between Process Scheduler and LWSampleLogin	A bug has been fixed in LWSampleLogin so that unique login batch ids are generated for LOGBATCHIDFORMAT=YYYY-MM-DD-XXX
79.	QC Batching Assigning QC Test Codes	A bug has been fixed in QA QC Batch Builder so that the dependent test codes are displayed when assigning the QC sample for the batch
80.	QC Batching Due Color Fonts	A bug has been fixed in LW QA/QC Batch Builder so that QC Batching Due Color Fonts are displayed as per SYSMGR setting
81.	Dilution factor modifying MDL and Excel calculation not refiring for validated results.	A bug has been fixed in Results Entry excel calculation so that MDL is adjusted upon DilutionFactor change based on SYSMGR Setting - ADJUST_MDL_FOR_DILFACTOR
82.	PR6 does not trigger calculation	A bug has been fixed in Post Results 6 so that calculations are triggered appropriately.
83.	Result Entry - Objects Missing	A bug has been fixed in Results Entry such that the objects associated with the sample are getting displayed
84.	Calculations do not fire in Result Entry	A bug has been in Results Entry application so that calculations are fired for multi-component analysis
85.	Excel worksheet import significant figures	A bug has been fixed in Results Entry so that significant figures are calculated correctly during Excel Eworksheet import
86.	Results Entry not populating analyst details	A bug has been fixed in Results Entry so that saved analyst details are populated by default
87.	San Diego Results Entry Data Type Mismatch	A bug has been fixed in Results Entry such that specification violation colour is displayed for the result
88.	1899 (null) dates in XLCALC data in result entry	A bug has been fixed in Results Entry such that XLCALC data do not have 1899 (null) dates
89.	RESULT ENTRY - RLT Code Not Saving	A bug has been fixed in Results Entry so that when entering in "ND", the code will be replaced with "Not Detected" and will be saved.
90.	ANALYSIS CALCULATION - Incorrect Result	A bug has been fixed so that calculations return the same results for Analysis List Maintenance, ResultsEntry with USE_CALCULATION_ENGINE on and off.
91.	Result entry error 52 importing results	A bug has been fixed in Results Entry so that results can be imported without any error.
92.	Result Entry Multicomponent analysis Start date not being carried over for the next sample	A bug has been fixed in Results Entry so that multicomponent analysis Start Date is now being carried over for the next sample
93.	Not all samples shown in RE6 (when loaded via QAQCBatch)	A bug has been fixed in Results Entry so that all samples are shown in Results Entry when loaded via QAQCBatch
94.	Result Entry Multicomponent load results filtered by Batch	A bug has been fixed so that the results uploaded from an instrument interface file are stored correctly.
95.	Slow to display and save results in results entry	A bug has been fixed so that Autoqualifier6.exe application has been optimized to improve the performance while saving results from Results Entry.
96.	Components set to not report instead receive NOT DETECTED	A bug has been fixed such that components set to "not report" do not receive "NOT DETECTED"
97.	QAQC calculations not firing consistently	A bug has been fixed such that QAQC calculations are now getting fired correctly.
98.	Calculation - Native calculation parse fails	A bug has been fixed corresponding to LABWORKS native calculation parsing error
99.	Result Entry Multicomponent load results	A bug has been fixed so that user is able to upload results for multiple samples without having to close and reopen results entry.

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100.	Portland Water - Misc Issues Feedback	A bug has been fixed in Results Entry, Progress Report such that screen size is displayed properly.
101.	LW 6.9 Bld 121 Client Install Issue	A bug has been fixed in BackLog Search so that legacy applications like Sample Modify, Progress Reports, Sample and Analysis Validation work fine.
102.	Sample Archive stops at ~ 13%	Sample Archive has been enhanced so that it works and status bar updates regardless of number of samples.
103.	Sample Comments - Comment characters being truncated.	Sample Comments are now exported in a single field, instead of 80 character lines
104.	Sample Selector sample information grid not populating the selected fields.	A bug has been fixed in Sample Modify so that Sample Selector sample information grid is getting populated for the selected fields
105.	Adding analyses too fast results in error.	A bug has been fixed in SampleModify so that adding analysis too fast works fine.
106.	SQC charts within COA module does not look for NWA version in sysmgr table.	A bug has been fixed so that SQC charts within COA module look for NWA version in sysmgr table
107.	WSMACRO Field in LWScripts-SQLServer.sql.	A bug has been fixed in LABWORKS such that WSMACRO field is now added in LWScripts-SQLServer.sql
108.	SYSTEM MANAGER - Ownership not saving.	A bug has been fixed in System Manager application such that the assignment of a new user to an ownership group is saved successfully.
109.	Adding User to Ownership Group in System Manager.	A bug has been fixed such that a user can be added to Ownership Group in System Manager.
110.	Cannot change user ID in system manager mode.	A bug has been fixed in SYSMGR so that User ID can be edited and saved
111.	LABWORKS update scripts generate errors due to missing table check.	A bug has been fixed in LABWORKS scripts by applying check whether the table exists before performing any operations on that table.
112.	VIOLREORDER6.EXE ordering tests incorrectly.	A bug has been fixed in Violation Reorder so that the application adds a test (as per Violation Rules) only for a target violation and does not add the same test for a non-violation result
113.	Pending analytes showing up on completed samples.	A bug has been fixed in ZipReport application so that analyte status is not displayed at "Pending" for completed samples.

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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