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# LABWORKS LIMS v7.0

## Release Notes

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## Introduction

This document contains the release notes for LABWORKS 7.0. The following sections describe the release and provide late-breaking or other information that supplements the main documentation.

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

## Overview

LABWORKS 7.0 is the latest version of LABWORKS LIMS.

## What's New 7.0

**New Features:**

| Sr.No | Item | Description |
|---|---|---|
| 1. | Use ObjectPublisher for custody tracking reports. | Default report templates (CRYSTAL_CUSTODY, CRYSTAL_RESULTS) have been added to ObjectPublisher. Supported apps are: LWSampleLogin, ProcessScheduler6. |
| 2. | Update crystal report data sources. | New SAMPLE columns have been added. SIMC.xsd, LWReporting.xsd data sources have been updated. |
| 3. | Remove the ADD_TO_PROCESS_SCHEDULER system parameter. | ADD_TO_PROCESS_SCHEDULER has been deprecated |
| 4. | Enhance sample login templates with new sample properties SPRIORITY, REQTIME, CUSTOMER. | The new properties have been added to LWSampleLogin template configuration. |
| 5. | Enhance the reorder and the copy operation in the ProcessScheduler6 app. | Added copying sample comments, user-defined fields, sample attachments, special info fields, result specifications, analyses creation in ProcessScheduler6. |
| 6. | Container property enhancements | Analysis List Maintenance, LWSampleLogin, Results Entry, PostResults6 applications have been enhanced to support Container properties e.g. Preservative, Container Type |
| 7. | Add default qualifier option to LABWORKS analyses | LWAnalysis Maintenance application has been enhanced to support default qualifier for analysis codes/analytes for Single and Multicomponent Analysis |
| 8. | AuditTrailViewer Enhancement - improve querying capabilities | AuditTrail Viewer application has been enhanced with "Contains" filter for Object Type and Object ID fields |
| 9. | Email Crystal Reports support | Crystal Report Viewer application has been enhanced with the ability to attach the report being viewed to an email and send the email |
| 10. | TNI Compliance - MDL Study Tracking and Reporting | A new application has been developed for tracking Control Chart and MDL Study. MDL Study supports CLASSIC as well as NELAC Rulesets. |
| 11. | CustLog6 window minimizing (calling from LWSampleLogin) | CustLog6 application window can be minimized and restored when invoked from LW Sample Login |
| 12. | Add sample header fields to Data Viewer | LWData Viewer application has been enhanced to support Report Address and Invoice Address fields in Sample Information configuration |
| 13. | Dataviewer icon and GTV launch enhancements | LWDataViewer has been enhanced so that with "Send Data To GTV" option user can start graphical trend viewer, without the need to manually "copy / paste" the data into the application |
| 14. | Increase MDL property length to 14 characters | LABWORKS applications have been enhanced to increase MDL property length to 14 characters |

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| 15. | LABWORKS Email Configuration Form label improvements | LABWORKS Email Configuration Form labels have been improved |
| 16. | LABWORKS error log – Do not load all records at first. | Error Log Viewer application has been enhanced with the functionality to truncate all the records in database. |
| 17. | eWorksheet - populate current LW user ID when creating | eWorksheet application has been enhanced to populate current logged-in LABWORKS User ID as "Analyst" while creating new eWorksheet |
| 18. | eWorksheet Misc UX Enhancements | eWorksheet application has enhanced UX and eWorksheet Template changes are reflected in eWorksheet Builder without restarting eWorksheet Builder |
| 19. | Add ability to leave eWorksheets locked for cells containing macro/formula/code. | eWorksheet application has been enhanced to leave eWorksheets locked for cells containing macro/formula/code |
| 20. | eWorksheet Enhancements: ability to resize window | eWorksheet application has been enhanced to have the ability to resize the window |
| 21. | eWorksheet from QCBatch Sample-Test List Up-Down Arrow Enhancement | eWorksheet application has been enhanced to support Up-Down Arrow movement for QCBatch Sample-Test List |
| 22. | eWorksheet visible within Results entry and Result Validation screens | Results Entry and Sample Analysis and Validation applications have been enhanced so that eWorksheet application can be launched for the selected sample and analysis |
| 23. | eWorksheet enhancements | eWorksheet application has been enhanced to support "Validated" status |
| 24. | Add LWEXE path to Help \| About dialog | LABWORKS application has been enhanced to add LWEXE path to Help and About dialog |
| 25. | Instrument Maintenance - Add Front page sort column for Location | Instrument Maintenance application has been enhanced to add sort column for Location on front page |
| 26. | Inventory - Label Counter - Increase to support 6 digits | LWInventory Management application has been enhanced so that Label counter is increased to support 6 digits |
| 27. | Inventory - Add Location to Label | LWInventory Management application has been enhanced so that Item Location is printed on the label. |
| 28. | Inventory Module - Display DISPOSED in Item Stock for Restocking | LWInventory Management application has been enhanced so that items having "DISPOSED" status are displayed in Inventory List based on the configuration |
| 29. | PSSCHEDULE and SAMPLE table merge tasks - Workflow Architect Changes | LABWORKS application has been enhanced to support updated Workflow Architect State transitions for Sample object |
| 30. | Enhance Explorer to expose friendly names for new SAMPLE DB properties | LW Explorer application has been enhanced to display complete property names in the filter list |
| 31. | LOCATION code acceptable characters | Location List Maintenance application has been enhanced to support acceptable characters for LOCATION code |
| 32. | Launch QA QC Batch Builder for the selected QA QC Batch ID from Data Viewer/LW Explorer | LWData Viewer and LW Explorer applications have been enhanced so that QA QC Batch Builder application can be launched for the selected QA QC Batch ID |
| 33. | LWQuickTrack - enhancement for print labels | LWQuickTrack application has been enhanced to support Container Label printing |
| 34. | QuickTrack Usability and interface issues | LW QuickTrack application has been updated for enhanced usability |
| 35. | Scan documents directly into attachments | LWSampleLogin application has been enhanced so that documents and images can be directly scanned and associated with the sample during login |
| 36. | LW Sample Login - Moving the cursor vertically | LW Sample Login has been enhanced to add configuration for "Enter Key Action"  as down or right |
| 37. | Graphical Trend Viewer - Copy to clipboard | LWDataViewer application has been enhanced to support copy to clipboard functionality for Graphical Trend Viewer |
| 38. | License count exceeded locks all connected users | License Manager has been enhanced so that when 10 users are logged in and the 11th user tries to login then he should get a warning message "The maximum number of Licenses are currently in use". Already logged-in users should not get any message. |
| 39. | eWorksheetBuilder - formatting | eWorksheet application has been enhanced to resolve UI |

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| | issues | formatting issues |
| 40. | LWInventory introducing "grades" to selectively allow material, batch or bottle level granularity | LWInventory Management has been enhanced with "Grade" property to selectively allow material, batch or container level granularity |
| 41. | Inventory Management Improvements | LW Inventory Management application has been enhanced to filter Alert Home Page based on Storage Location, add ability for authorized user to edit ITEM Stock, display Item unit along with quantity |
| 42. | LWInventory allowing consumption in excess of available stock quantity | LWInventory Management application has been enhanced to display "Display Only Overflow Stock Records" checkbox, which when checked will display only the Inventory Items with negative quantity |
| 43. | Inventory Management Improvements for large number of storage locations | Inventory Management application has been enhanced to support large number of Storage Locations with hierarchical selection view |
| 44. | Inventory Mgmt - Mixture Storage Units and Consumption Units | LWInventory Management application has been enhanced to support Mixture Storage Units and Consumption Units |
| 45. | Inventory Management Workflow Received before OPEN | LWInventory Management application has been enhanced to display records for all the statuses, configured in Workflow Architect, on Inventory Management grid |
| 46. | Inventory Management Enhancement to assist tracking Columns (GC/LC) | LW Inventory Management application has been enhanced to assist tracking Columns (GC/LC) |
| 47. | Multi Component Transfer - allow save all without having to individually select items | LW Multi Component Transfer application has been enhanced to allow selection of multiple items for saving so that user does not have to select individual items separately |
| 48. | LWMCT supports Post Processing Programs | LW MultiComponent Transfer Application has been enhanced to support Post Processing Programs |
| 49. | LWPostResult6 Enhancements | "lwPostResults6.exe" application has been enhanced so that if PR6_INPUTFILE SYSMGR setting is NULL then on executing "lwPostResults6.exe PR1" command, user will be prompted to select the input file. |
| 50. | Allowing files greater than 10 MB to be attached to a QAQC Batch as a link | LABWORKS Document Attachment functionality has been enhanced so that if "ATTACH_OVER_MAXFILESIZE_AS_LINK" SYSMGR setting is true, then the document is automatically attached as link when over "ATTACHMENT_MAXFILESIZE" SYSMGR setting value. |
| 51. | LWQAQCBatchBuilder - Allow custom Date Range modification to be stored per user | LW QAQC Batch Builder has been enhanced such that it will store Start Date / End Date modification on Existing and My Batch tab on per user basis |
| 52. | Sample Login - assigning tests filter by department | LWSample Login was enhanced so that it is possible to assign test filters by department |
| 53. | SampleLogin LocCode TestCode Search using Contains filter | LWSample Login, Analysis List Maintenance, LocList Maintenance application search facility has been enhanced for Location code and Analysis code to use "contains" instead of "starts with" search capabilities |
| 54. | LWSampleLogin - Enhance Copy Paste functionality to include Location Code, Analysis Code and Comment | LW Sample Login application has been enhanced such that Copy Paste functionality includes Location Code, Analysis Code and Comment |
| 55. | Modernize LWSampleLogin's look'n'feel by applying a more modern visualization template | LWSample Login has been enhanced to modernize its look'n'feel by applying a more modern visualization template |
| 56. | LWServiceControllers form improvement | LW Service Controller application UI alignment has been enhanced |
| 57. | Enhance LWSysCfg user onboarding process | LWSysCfg user onboarding process has been enhanced to update the users list based on UserHead table |
| 58. | ModifySamples6 Minimize Window enhancement | ModifySamples6 application has been enhanced to support minimize window functionality |
| 59. | MOR Create Data Set - ExportData with a Cross Ref Search | MOR application has been enhanced to support data export using Cross Reference Search |

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| 60. | MOR design program blocked when duplicate output cell | MOR Setup application has been enhanced such that duplicate output cell configuration is not allowed |
| 61. | NGII Agilent GC for Method 2186 | NGII Interface has been developed : Agilent GC for Method 2186 |
| 62. | NGII Horiba ICP Instrument Interface for ERCO | NGII Interface has been developed : Horiba ICP |
| 63. | NGII QuantStudio 6 qPCR | NGII interface has been developed : QuantStudio 6 qPCR |
| 64. | NWA SQC Charts - Add Method Reference | NWA SQC Charts have been enhanced to add Method Reference to the second label |
| 65. | Allow comment import from post result 6 on analyte level | Post Results 6 (PR6) application has been enhanced to allow comment import at analyte level based on OVERWRITECOMMENTS parameter |
| 66. | PR6 command line processes records having space after Analyte Name | Post Results 6 application has been enhanced to handle space after Analyte Name |
| 67. | PostResults6 Imports - allow append of !COMMENT result in NTRLTS table | PostResults6 application has been enhanced to append or overwrite the earlier narrative analysis result based on OVERWRITENARRATIVERESULT parameter |
| 68. | Process Scheduler supports Container association | Process Scheduler has been enhanced to support association of analysis codes to containers for timed groups |
| 69. | Add sample description to Process Scheduler | Process Scheduler has been enhanced to add Location Description as column option |
| 70. | Process Scheduler - request username and password for data entry | Process Scheduler has been enhanced to request username and password for data entry |
| 71. | Allow timed groups to be sorted alphabetically in Process Scheduler | Process Scheduler has been enhanced so that timed groups can be sorted alphabetically as per selection |
| 72. | Up/down record movement in Sample Receipt | Process Scheduler application has been enhanced to support up/down record movement on Sample Receipt configuration screen |
| 73. | Process Scheduler - By Analysis Column Width and QC Batch ID's | Process Scheduler application has been enhanced to support Analysis Column Width of 24 characters |
| 74. | Process Scheduler - Sort Order | Process Scheduler has been enhanced so that when selecting SampleModify, the list of samples selected previously is retained after completing Sample Modify |
| 75. | Process Scheduler - Download to PDA | Process Scheduler application has been enhanced so that "Send to PDA" option creates a CSV file with a browse for the file save, so that the name and location of file can be specified |
| 76. | PSSCHEDULE and SAMPLE table merge tasks | LABWORKS application has been enhanced to merge Process Scheduler and Sample table |
| 77. | Allowing a user to modify the PS Priority on multiple samples at a time | Process Scheduler has been enhanced so that user can modify PS Priority of multiple samples at a time |
| 78. | Container Tracking from QC Batch | QA QC Batch Builder application has been enhanced to support launching of LW Container Management for the samples in the batch |
| 79. | QC Batching - add samples that are already batched to a new batch | QA QC Batch Builder application has been enhanced so that typed-in or scanned Sample ID can be added to Available Sample Grid, irrespective of the sample status |
| 80. | QC Batching - add "contains" filter to all grids | QA QC Batch Builder application has been enhanced to support "Contains" filter for all the grids |
| 81. | QC Batching - Report Template functionality enhancement | LW QAQC Batch Builder application has been enhanced to support multiple report templates |
| 82. | Due Colors PALE Setting for QCBatching and eWorksheet | LW QAQC Batch Builder and eWorksheet applications have been enhanced to support PALE setting for Due Date Colours |
| 83. | Improvements to new version of QUICKTRACK | LWQuickTrack application has been enhanced to display "Analysis Status" so that user can dispose the Container if the status is "Validated" |
| 84. | Replicate Management - Add Sample ID to list of fields | Replicate Management application has been enhanced to display Sample ID on Replicate Management Form |
| 85. | REPORTHEAD.REPORTUSER needs to be added to the | Report application has been enhanced so that REPORTHEAD.REPORTUSER field is added to |

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| | FLATDATA_REPORTHISTORY for export/report | FLATDATA_REPORTHISTORY for export |
| 86. | Result Entry - Analysis Code Sub-filtering | Results Entry application has been enhanced to display only the analysis codes assigned to samples based on "Filter by analysis assigned" configuration in Result Entry setup. |
| 87. | Re-order tests from Results Entry | Results Entry application has been enhanced to support re-ordering of tests |
| 88. | Resultls Entry - Edit Results Screen Improvement | Results Entry application has been enhanced to improve the usability on Edit Results Screen |
| 89. | Analysis Start/End Date/Time Warning Prompt | Results Entry application has been enhanced such that invalid Analysis Start Date Time or End Date Time is highlighted with red background colour |
| 90. | Allow raw results to be used in calculations, exports | Results Entry application has been enhanced so that raw results can be used in Calculations and Exports |
| 91. | Locking analyst initials in result entry to a pick list | Results Entry application has been enhanced so that only valid analyst initials can be entered |
| 92. | Results Entry - allow for ctrl+c / ctrl + v from keyboard | Results Entry application has been enhanced to support ctrl+c / ctrl + v from keyboard |
| 93. | Results Entry - Bulk Audit Trail change logs | Results Entry application has been enhanced so that if "BULK_AUDIT" SYSMGR setting is true then audit trail will be recorded in bulk, only when the user presses save |
| 94. | Results Entry - Importing PR6 data for single component results | Results Entry application has been enhanced to support AREF and MDL while importing PR6 data for single component results |
| 95. | Result Entry - spec evaluation on cell focus change after rounding | Results Entry application has been enhanced to use "ROUND_RESULT_BEFORE_SPEC_EVALUATION" SYSMGR setting so that spec evaluation is applied after rounding, on cell focus change |
| 96. | List of Units enhancements | Results Entry application has been enhanced to allow list of units to be filtered based on Units configuration in Analysis Maintenance application |
| 97. | ResultsEntry - Replicate Data Entry - Usability | Results Entry application has enhanced usability to support F6 shortcut key for Replicate Management Form.<br>Replicate Management Form has been enhanced to display Graph as a tab and to save the context for the form size. |
| 98. | Filter Quick Navigation features in data validation | Sample Analysis And Validation application has been enhanced with quick search and alphabetical sorting features for analysis. |
| 99. | Sample/Analysis validation highlight the violating results in the detail review for components | Sample Analysis validation has been enhanced so that the violating results are highlighted in the detail review for components |
| 100. | Sample Invoice enhanced to support 4000 chars in SAMPNOS field | Sample Invoice application has been enhanced to support 4000 characters in SAMPNOS field in INVHEAD table |
| 101. | MODSMPS6 - Add Update Due Date | MODSMPS6 application has been enhanced to support due date updates |
| 102. | Sample Validation INI Enhancement to Show Qualifier | Sample Analysis and Validation application has been enhanced to display Qualifier field based on INI Setting "DISPLAY_QUALIFIER" |
| 103. | ScanDaemon Service Improve Debugging | ScanDaemon - When in Debug mode temporary PR6 files are not deleted. |
| 104. | Zip Report Folder Organization Enhancements | Zip Report application has been enhanced so that user defined folders can be added. Also reports organized by type (Crystal, Access, Label) have the ability to be copied to My Reports folder and User Defined folders. |
| 105. | Add ability to attach bottle code to analysis in AutoLogin640 | AutoLogin640 application has been enahnced so that bottle code can be attached to analysis |
| 106. | Improve LWSampleLogin performance during configuration | LWSampleLogin application performance has been enhanced during template configuration |

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## 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 |
| 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 |

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| 22. | eWorksheet – upload results even If upload sheet SIDN column contains non sample number | A bug has been fixed in eWorksheet application so that even if SIDN column in "Upload Sheet" contains non sample number, the results are uploaded successfully |
| 23. | eWorksheet - Adding samples to eWorksheet to specific location | eWorksheet application has been enhanced such that user will be able to populate the selected sample on a specific location (other than the configured "Starting cell address") in the right-hand side eWorksheet pane |
| 24. | eWorksheets - display container ID | eWorksheet has been enhanced to display Container ID |
| 25. | eWorksheets - Turn off screen update when populating audit | eWorksheet application performance has been enhanced |
| 26. | eWorksheet Template - Edit xlsm from UI for one sheet in workbook | eWorksheet Template Builder has been enhanced so that eWorksheet Template Excel can be directly edited from the application based on "EWRKSHTTEMPEXCEL" privilege |
| 27. | LWInventory ability to transport only a fraction (specific quantity) of a stock item. | LW Inventory Management application has been enhanced to add the ability to transport only a fraction (specific quantity) of a stock item |
| 28. | LW Client-Install/Uninstall Script | LW Client-Install/Uninstall Scripts have been provided for fully automated install/uninstall and upgrade |
| 29. | Add ability to select or deselect ALL parameters for MC test in Data Viewer | LW Data Viewer has been enhanced to add ability to select or deselect ALL components for Multi-Component Analysis |
| 30. | LWMultiComponentTransfer: Update MDL and PQL based on Dilution Factor changes | LWMultiComponent Transfer application has been enhanced so that MDL and PQL values are updated based on Dilution Factor changes |
| 31. | Allow user to see list of PR2 records in LABWORKS database when saving prelogin groups | Multi Sample Login Application has been enhanced to allow the user to view and update the current Pre-login Group Name while saving the pre-login group |
| 32. | QAQC Batching Query/Display in Data Viewer | LWDataViewer has been enhanced to support QA QC Batching in filtering and display |
| 33. | LWAuthentication – generate error when FIPS compliant requirement is not met. | LWAuthentication enhanced to display specific FIPS Compliance requirement related error to the user |
| 34. | License count exceeded locks all connected users | License Manager has been enhanced so that when 10 users are logged in and the 11th user tries to login then he should get a warning message "The maximum number of Licenses are currently in use". Already logged-in users should not get any message |
| 35. | Audit old value and new value of long text when changing comments in LABWORKS Desktop | Audit logs have been enhanced to keep track of old comments when they get replaced by users |
| 36. | LW EXPLORER - Print Comments | LWExplorer application has been enhanced to support printing of comments |
| 37. | Add QA/QC batch number in Explorer | LWExplorer application has been enhanced to display QA/QC batch numbers |
| 38. | Viewing the Secondary Result from LWExp_DotNet | LWExplorer .NET Application has been enhanced to display Secondary Result and Qualifier based on the configuration |
| 39. | LWInventory - Phone number field, allow user to enter characters in addition to numbers | LWInventory Management application has been enhanced to support characters in addition to numbers for Phone Number field |
| 40. | LWInventoryManagement: Add Manufacturer picklist available in the Itemstock table | LWInventory Management application has been enhanced so that the manufacturer is associated with Itemstock instead of Item |
| 41. | Inventory Management – Filter with “Contains” instead of “Starts With”. | Inventory Management has been enhanced to support "Contains" in the filter instead of "Starts with" |
| 42. | Improve license count debugging | LWLicense Manager has been enhanced to release dangling sessions |

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| 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 |
| 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 |

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| | | Units column is added |
| 68. | QC Batching - Multiple sets of qc samples | QA QC Batch Builder has been enhanced to support multiple sets of QC samples |
| 69. | QC Batching - Move Ellipse to left and auto open | QC Batching Application has enhanced usability when a sample is selected to be the QC sample for the batch |
| 70. | Importing replicate data always increments number of replicates and no default is used for previously logged analysis | A system wide default setting "DEFAULT_REPLICATE_POLICY" has been added for the default Replicate Policy in SYSMGR and added functionality so that empty replicate rows are filled before appending new replicate rows |
| 71. | Add Validation User to Results Entry Mult-comp Edit Screen | Result Entry application has been enhanced to display Validation User and Validation Date on Multi-component Edit and Single Component Screens |
| 72. | Result Entry - Analysis Code Sub-filtering | Results Entry application has been enhanced to display only the analysis codes assigned to samples based on "Filter by analysis assigned" configuration in Result Entry setup |
| 73. | Improve Calculation Performance | Results Entry application has been enhanced to improve the calculation performance |
| 74. | Add option for specifications to be =>=< OR <> only | Specification definitions have been enhanced so users are given more control over the specifications, allowing them to specify which conditions to be used for each specification (e.g. > vs >=) |
| 75. | Result Entry Replicates Ability to select the latest replicate for In Process Control | Results Entry application has been enhanced to have the ability to select the latest replicate as result for In Process Control |
| 76. | Attachments - link to web page in addition to file attachments | Sample Attachments have been enhanced to support link to web pages as well |
| 77. | SAMPLE MODIFY - Update Analysis Order | Sample Modify application has been enhanced to allow the user to update the analysis order |
| 78. | Sample modify ability to lock the Location code field | Sample Modify has been enhanced such that fields can be locked based on the configuration |
| 79. | Sample Modify – Display prompt when there is data type mismatch for datetime field | Sample Modify has been enhanced such that User Fields having data type as "datetime" are validated |
| 80. | SAMPLE MODIFY - IES CSV file | Sample Modify application has been enhanced to create files to record sample deletion and modification activities |
| 81. | Zip Reports - Add to My Reports instead of Favorites | Zip Reports application has been enhanced to display the context menu as "Add to My Reports" instead of "Add to Favorites" |
| 82. | NGII - WW SCADA Interface | NGII interface has been developed: WW SCADA Interface |
| 83. | NGII - Applied Biosystem - QuantStudio 6 Flex Real-Time PCR System: Support XLS format | NGII interface has been developed to support XLS format: Applied Biosystem - QuantStudio 6 Flex Real-Time PCR System |
| 84. | NGII - Perkin Elmer Clarus 580 GC (NEA) | NGII interface has been developed: Perkin Elmer Clarus 580 GC (NEA) |
| 85. | NGII - Applied Biosystem - QuantStudio 6 Flex Real-Time PCR System | NGII interface has been developed: QuantStudio 6 Flex Real-Time PCR System |
| 86. | NGII - Agilent GC | NGII interface has been developed: Agilent GC Instrument |

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LABWORKS 6.9.

# What's New 6.9

**New Features:**

| Sr.No | Item | Description |
|---|---|---|
| 1. | Support for CMDP | Support has been added for electronically submitting CMDP (https://cmdp.zendesk.com/) compliance reports. |
| 2. | Add option to add/edit fields shown in SAMPSELCOMP6.OCX when samples are selected | Sample Selection Dialog used across LABWORKS application has been enhanced so that the fields displayed in the dialog can be selected via configuration. |
| 3. | Chem Inventory - Purchase Requisition Refinements | In LWInventoryManagement application, "OVRD_EXP_DATE" privilege has been changed to "CINV_OVRD_EXP_DATE" |
| 4. | Sample Login - Date/time picker | Sample Login date/time fields have enhanced usability |
| 5. | CRGEN- Report Output Folder Enhancement | CRGEN has been enhanced to allow more control over which folder to store the report in, including support for nested folders. |
| 6. | Add sort option to Process Scheduler login from ready to collect | Process Scheduler now allows you to right click on a "ready to collect" sample and sort the spreadsheet used to edit sample fields. |
| 7. | Inventory Management - Edit Quantity during Mixture Creation | Inventory Management application has been enhanced to allow the user to enter the actual quantity used during Mixture creation. |
| 8. | Sample Management - automatically calculate turn-around time | DataViewer application has been enhanced to display Sample Turn-Around Time |
| 9. | USERHEAD.INITIALS field size increase to accommodate LDAP authentication | LABWORKS has been enhanced to support LDAP authentication for LDAP User IDs upto 256 characters |
| 10. | Instrument Maintenance And Calibration (IMC) automatic warning email and automatic disable past due M/C instruments | Instrument Maintenance and Calibration application has been enhanced to support sending automatic warning email messages and disabling instruments for which maintenance/calibration due dates are elapsed. |
| 11. | Allow users to set Process Scheduler initial status from new sample login | It is now possible to set Process Scheduler initial status from LWSampleLogin. System Manager SHOW_STATUS needs to be checked. |
| 12. | Inventory - Add multiple of the same item in single operation | A new feature is added to support receive batch of inventory item. |
| 13. | Process Scheduler - request username and password for data entry | Process Scheduler has been enhanced to request username and password for data entry |
| 14. | Multicomponent Select (MCSelect6) addition to Process Scheduler Right Click | Added new SHOW_MCSELECT = YES to Process_Scheduler |
| 15. | Sample Modify - configurable default update due date option | Sample Modify application has been enhanced to support configuration of the default update due date option e.g. "Always", "Never", "Prompt" |
| 16. | eWorksheets - miscellaneous improvements | eWorksheet has been enhanced to configure in the template and validate the cells that must have values before being posted |
| 17. | Filter by Department(s) for Analysis Validation | Application has been enhanced to support filtering by Department in Sample Selection dialog for 'Analyses Awaiting Validation' option. |
| 18. | Process Scheduler scheduled groups are converting selected order of location codes to alphabetical order | Process Scheduler has been enhanced to display scheduled groups as per the order of location codes |
| 19. | MULTI-SAMPLE LOGIN - Copy and Paste Support | Multi Sample Login has been enhanced to provide copy-paste support |
| 20. | Optimization around LABOBJSPECINFO, | LABOBJSPECINFO, LABOBJMAILLIST performance has been optimized |

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| | | |
|---|---|---|
| | LABOBJMAILLIST | |
| 21. | eWorksheet - Completed changed back to In Progress | eWorksheet application has been enhanced to allow the user to change the status from Completed back to InProgress |
| 22. | Result Entry - Sample Object Attachments | Result Entry application has been enhanced so that user can select the Sample Object Attachments from any folder available in the network. |
| 23. | LWExplorer not showing time for user fields of datetime type | LWExplorer has been enhanced to display date as well as time for user fields of datetime type |
| 24. | Spec Info Change Value Update Batch | QA QC Batch Builder has been enhanced to display the Update Batch button if a change is made to a previously created batch and a value in one of the Special Info Form fields is changed |
| 25. | Restricting PS Sample Edit | An improvement has been made to implement "PS Sample Edit" privilege for restricting PS Sample Edit to privileged users |
| 26. | Explorer .NET History - Form Resize doesn't resize contents | Improvement has been made in Explorer .NET History form to resize contents after resizing the form |
| 27. | Result Entry- Start Date > End Date Prompt | In Result Entry application, Analysis Start Date > Analysis End Date message prompt is now displayed on click of "Save" button |
| 28. | Add ability to group Prelogin group records in LABWORKS database | Added ability to group Prelogin group records in LABWORKS database |
| 29. | Component Result Entry : “Save/Next” button that automatically brings up the next item | Result Entry application has been enhanced to navigate to next Sample/Analysis Code directly from Component Result Entry screen for Multi-Component Analysis |
| 30. | UX Improvements | UX improvements have been implemented for Result Entry, Multi-Sample Login applications |
| 31. | Login date request for Process Scheduler | A bug has been fixed so that in Process Scheduler the collection date is maintained as it is upon right-click on the samples to login. |
| 32. | eWorksheet enhancements | eWorksheet application has been enhanced to support Excel Macros, pick up Sample List from QA QC Batch, import Sample Header information, prompt Audit Reason and eSignature |
| 33. | SPECINFO/LABOBJSPECINFO TABLE | LABWORKS application has been enhanced to support SPECINFO table from previous versions |
| 34. | Replicate Management - enhance audit trail capture | Replicate Management forms have been enhanced to capture more audit trail data. |
| 35. | Analysis Maintenance - Load button size not consistent with other buttons | Analysis Maintenance Load from Analysis button size is enhanced to be consistent with other buttons |
| 36. | LABWORKS Explorer - Apply Design Guidelines | Design guidelines have been applied to LABWORKS Explorer application to improve the usability |
| 37. | DataViewer - miscellaneous improvements (feedback from 2017 User Conference) | DataViewer application usability has been enhanced by displaying the sample comments and by providing enhanced result sorting functionality |
| 38. | NWA - Add option to plot RawResult | SQC application has been enhanced to display Raw Result in NWA chart based on the configuration |
| 39. | ProcessScheduler - Improve Edit Schedule for large number of items | Performance of Process Scheduler - Edit Schedule functionality has been improved to support large number of items |
| 40. | Batch Ownership | "My Templates" tab has been added in QA QC Batch Builder to provide a filtered view of templates for batch creation |
| 41. | Trend Plot - Add option to plot RawResult | An improvement has been made for the user to select the Y axis label as Raw Result for the Trend Plot |
| 42. | NGII QuantStudio 6 qPCR | NGII interface has been developed : QuantStudio 6 qPCR |
| 43. | NGII Interface PKI Optima 7300 ICP | NGII Interface has been developed : PKI Optima 7300 ICP |
| 44. | NGII Development - MASS DOH Sciex QTOF | NGII Interface has been developed : MASS DOH Sciex QTOF |
| 45. | NGII Interface Thermo IC XLS | Added support for new interface: Thermo IC XLS |
| 46. | NGII Interface CNL Mettler EasyDirect | NGII Interface has been developed : Mettler EasyDirect |

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| | | |
|---|---|---|
| 47. | NGII Interface Waters Empower ARS | New NGII Interface developed: Waters Empower ARS Interface |

## What's New 6.8.5

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

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| 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. |

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

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|---|---|
| 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. |

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

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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 |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

| Item: | Allow "Check all" option in dataviewer analysis list view. |
|---|---|

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|---|---|
| Description: | Data Viewer now allows for better selection/view options in analysis list. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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). |

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|---|---|
| Item: | AutoLogin640 PQL Value Not Posting |
| Description: | A bug has been fixed in AutoLogin640 where the PQL value was not posting correctly. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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

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

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

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

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

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

| Item: | Issue with displaying PQL in Results Entry |
|---|---|
| Description: | A bug has been fixed where if MDL was in CSV file, PostResults6 (running from scandaemon as service) with NORESULTCOND would compare result with MDL and if it was less than MDL it would not post raw data. |
| Item: | PostResult6 - NORESULTCOND not applying if MDL is in CSV file |
| Description: | A bug has been fixed in Results Entry where PQL would only display the first 8 characters instead of its full length string. |

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

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

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

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

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

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

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| | |
|---|---|
| | enforced. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

## What's New 6.8

| Item: | Replicates Support |
|---|---|
| Description: | LABWORKS now includes support for replicate datasets. Record multiple datapoints, graphically |

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|---|---|
| | analyze the data and set up policies to act on the data. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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 |

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| | |
|---|---|
| Description: | Bug where AutoQualifier was posting null bottle code data to results table in LABWORKS 6.7 has been fixed. |

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

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

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

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

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

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

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

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

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

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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

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

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

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

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

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

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

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

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

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

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

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

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

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

| Item: | Process Scheduler By Analysis incorrect filtering |
|---|---|
| Description: | A bug has been fixed in Process Scheduler where it was requesting the user for an ADEP |

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|---|---|
| | selection instead of an ACODE one when clicking on the suspension points button. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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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: | 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. |

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|---|---|
| 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 |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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

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

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

## What's New 6.7

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

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

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

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

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| | |
|---|---|
| | Rounding would generate and error, Object Reference not found. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| Item: | CUST-RPT: Bug- After Sample login userfield values do not match with the defined |

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|---|---|
| | sample order/sequence |
| Description: | LWSampleLogin: Sample list after login was displaying in a different order than the user created. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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|---|---|
| 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. |

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

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

| | |
|---|---|
| Item: | DataViewerGTV: All sample points are not plotted on graph on "History Comparison" window |
| Description: | DataViewer: When doing history comparison not all data points were being displayed, only the last value. |

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

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

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

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

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

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

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

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

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

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

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

| | |
|---|---|
| Item: | CUST-RPT : Bug- Display of test code when adding a special QA sample to the sequence |
| Description: | QAQCBatching: When adding special QA sample, analyses for special sample were being displayed. |

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

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

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

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

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

| | |
|---|---|
| Item: | CUST-RPT: Bug- Sysmgr – PSUPDATETIME |
| Description: | ProcessSchedulerService: Service wasn't updating PSUPDATETIME so users would get |

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| | |
|---|---|
| | message "NO MASTER" |

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

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

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

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

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

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

| | |
|---|---|
| Item: | LWDataViewer: GTV graph display two different graphs on selecting same analysis and its result |
| Description: | LWDataviewer: Adding the same data more than once to Graphical Trend Viewer adds a second chart instead of updating. |

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

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

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

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

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

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

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

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

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

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

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

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

| Item: | DMR : Adding Net DMR feature. |
|---|---|
| Description: | DMR: Enhancement  Added support for NetDMR export format. |

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

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

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

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

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

| Item: | Report Ownership query doesn't include report templates when ownership is null |
|---|---|

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| | |
|---|---|
| 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. |

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

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

| | |
|---|---|
| Item: | QAQC Batch Builder: Sample searching by Barcode number. |
| Description: | QAQCBatching: Added support for Barcode scanning to add samples to the batch. |

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

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

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

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

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

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

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

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

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

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

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

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

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

| Item: | In LocList Maintenance sorting is not working for User fields columns |
|---|---|
| Description: | Corrected issue with sorting analyses and location codes when the number of items is large. |

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

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

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

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

| Item: | Multicomponent Analyte name containing single quote posted via postresults6 |
|---|---|

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| | |
|---|---|
| | creates checksum error |
| Description: | PostResults6: Corrected checksum calculation when analyte included single apostrophe. |

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

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

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

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

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

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

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

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

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

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

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

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

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

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

| | |
|---|---|
| Item: | WebTop - Resize crystal report display to window size |
| Description: | WebTop: Crystal Reports - Resize window properly. |

| | |
|---|---|
| Item: | Sample Modify - ability to recalculate analysis on submission and completion date updates |
| Description: | SampleModify: Added recalculation of due dates when sample collection/submit date are updated. |

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

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

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

## What's New 6.6

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

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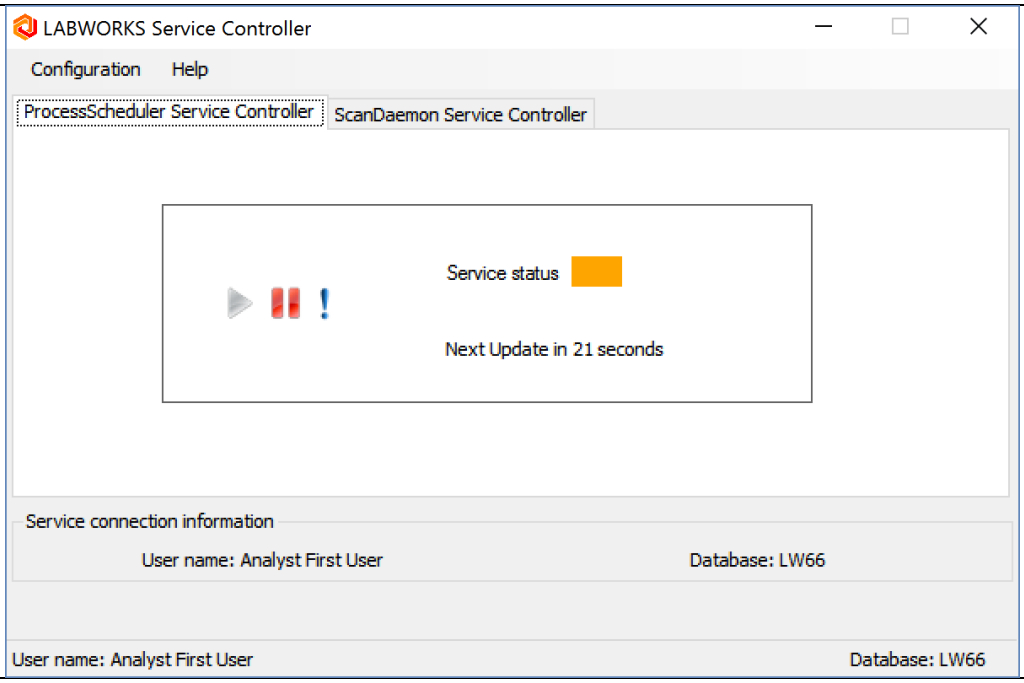
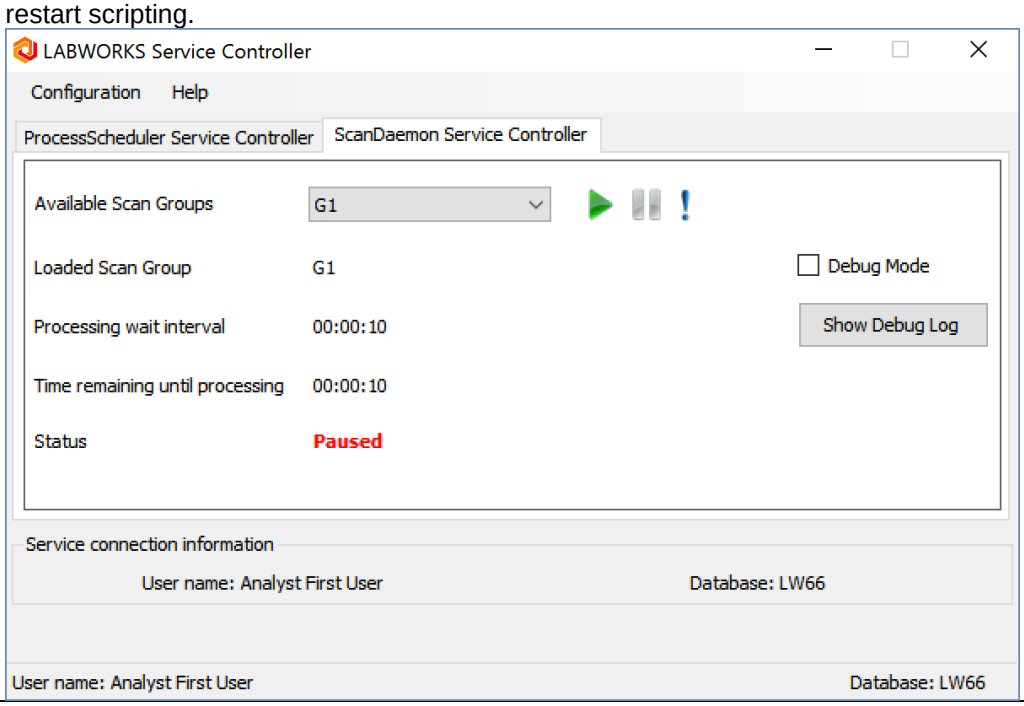



| Item: | ScanDaemon as a Service |
|---|---|
| Description: | ScanDaemon upload of sample results is now available as a service. As a Service, the application starts on when the server boots, runs in the background and supports server restart scripting. |




| Item: | LWDataViewer – Display of Multi-Component Analytes at top level |
|---|---|

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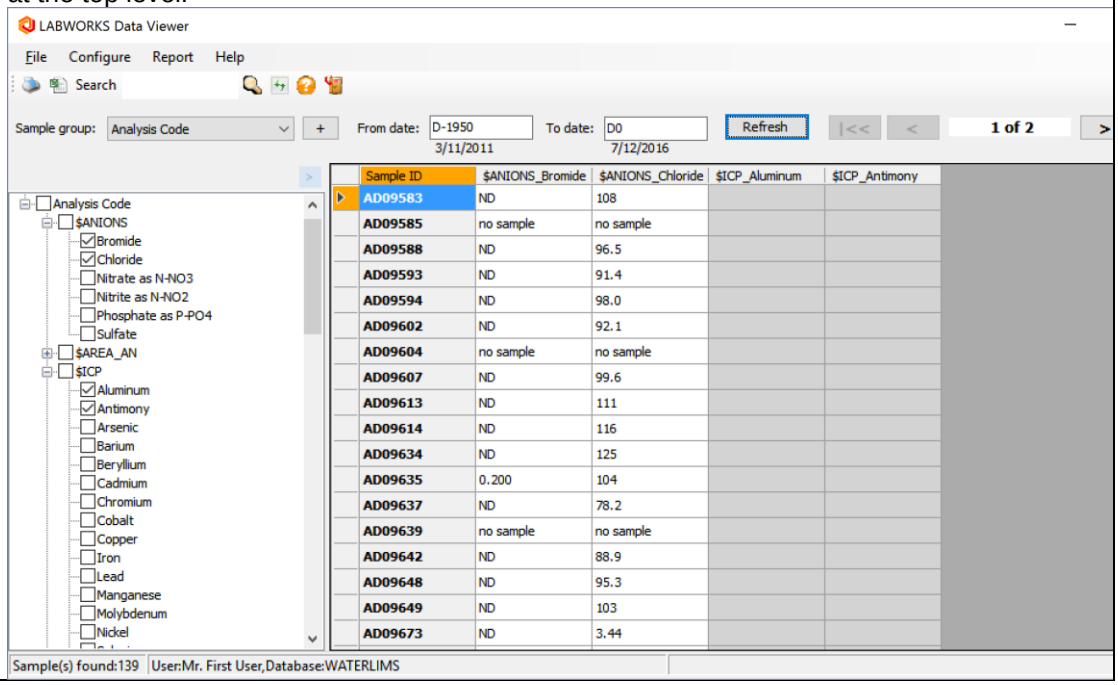
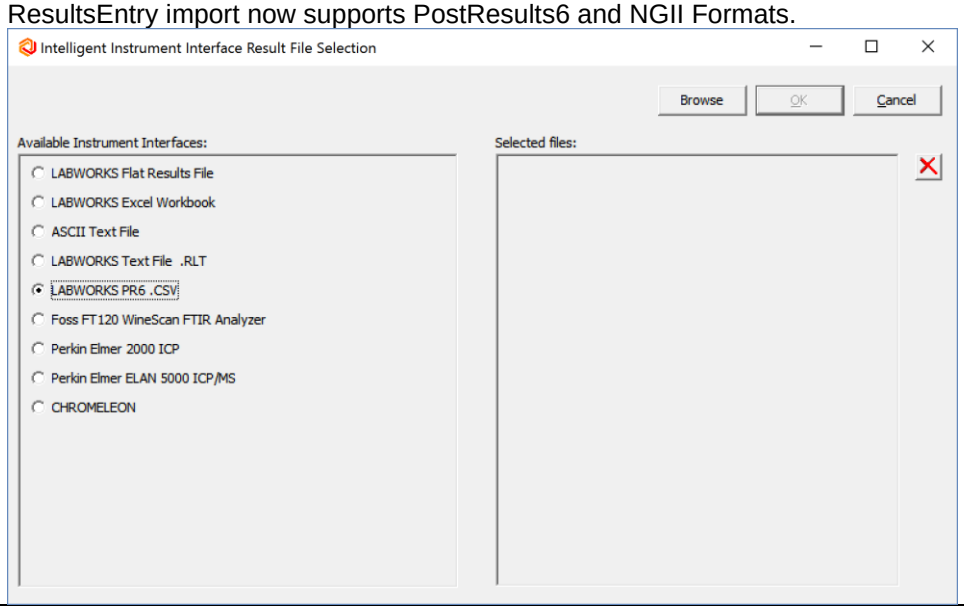
| | |
|---|---|
| Description: | Individual analytes from a multi-component test can new be selected for viewing/comparing at the top level.<br>  |

| | |
|---|---|
| Item: | ResultsEntry – Added Formats |
| Description: | ResultsEntry import now supports PostResults6 and NGII Formats.<br>  |

| | |
|---|---|
| Item: | ResultEntry – Usablity |
| Description: | Improvments:<br>1. Violations of Multicomponent Tests displayed at top level |

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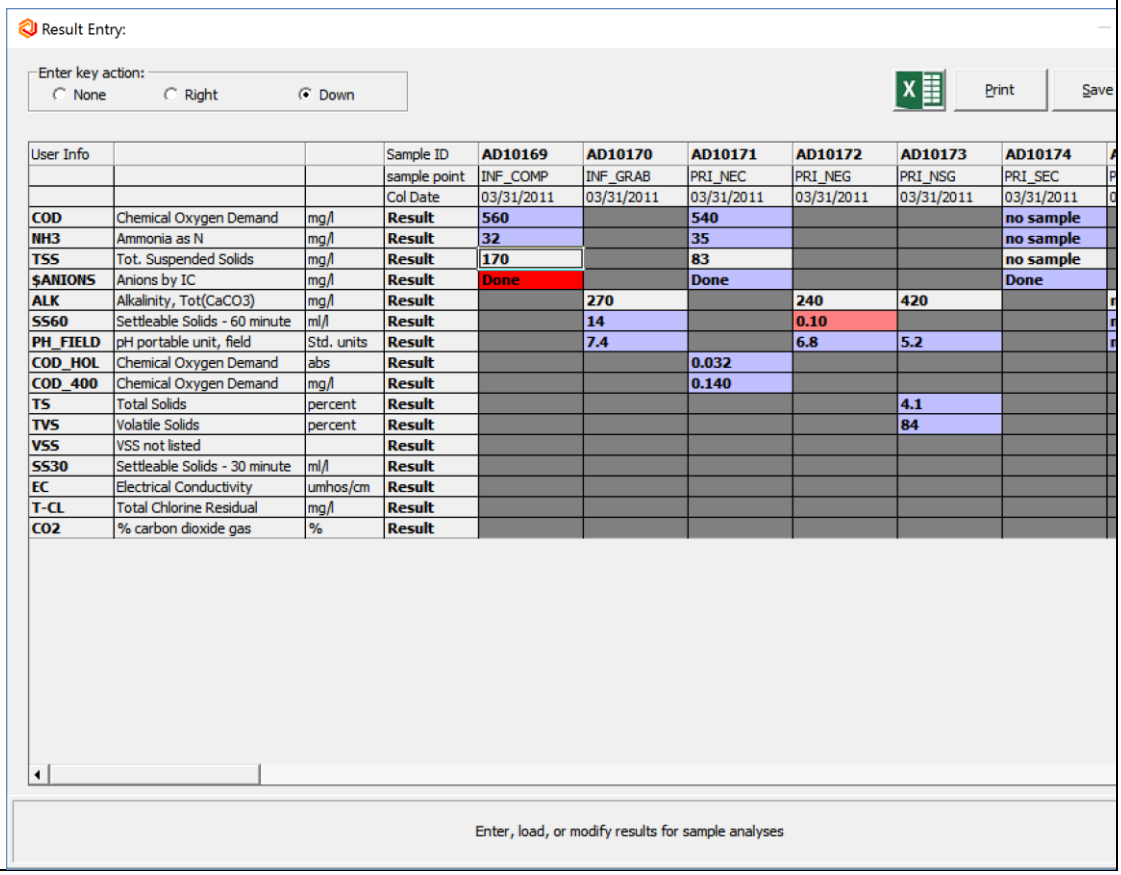
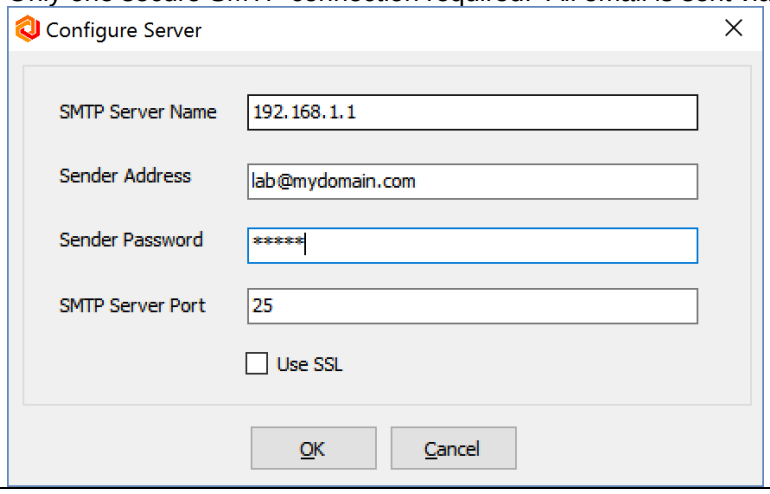
2. One button export to excel
3. Evaluation of specifications when results container <>. Example Upper Spec 10, result “>15” fails
4. Multi-Compoent – Date/Time edit copied to all analytes.




| User Info | | | Sample ID | AD10169 | AD10170 | AD10171 | AD10172 | AD10173 | AD10174 |
|---|---|---|---|---|---|---|---|---|---|
| | | | sample point | INF_COMP | INF_GRAB | PRI_NEC | PRI_NEG | PRI_NSG | PRI_SEC |
| | | | Col Date | 03/31/2011 | 03/31/2011 | 03/31/2011 | 03/31/2011 | 03/31/2011 | 03/31/2011 |
| COD | Chemical Oxygen Demand | mg/l | Result | 560 | | 540 | | | no sample |
| NH3 | Ammonia as N | mg/l | Result | 32 | | 35 | | | no sample |
| TSS | Tot. Suspended Solids | mg/l | Result | 170 | | 83 | | | no sample |
| $ANIONS | Anions by IC | mg/l | Result | Done | | Done | | | Done |
| ALK | Alkalinity, Tot(CaCO3) | mg/l | Result | | 270 | | 240 | 420 | |
| SS60 | Settleable Solids - 60 minute | ml/l | Result | | 14 | | 0.10 | | |
| PH_FIELD | pH portable unit, field | Std. units | Result | | 7.4 | | 6.8 | 5.2 | |
| COD_HOL | Chemical Oxygen Demand | abs | Result | | | 0.032 | | | |
| COD_400 | Chemical Oxygen Demand | mg/l | Result | | | 0.140 | | | |
| TS | Total Solids | percent | Result | | | | | 4.1 | |
| TVS | Volatile Solids | percent | Result | | | | | 84 | |
| VSS | VSS not listed | | Result | | | | | | |
| SS30 | Settleable Solids - 30 minute | ml/l | Result | | | | | | |
| EC | Electrical Conductivity | umhos/cm | Result | | | | | | |
| T-CL | Total Chlorine Residual | mg/l | Result | | | | | | |
| CO2 | % carbon dioxide gas | % | Result | | | | | | |

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

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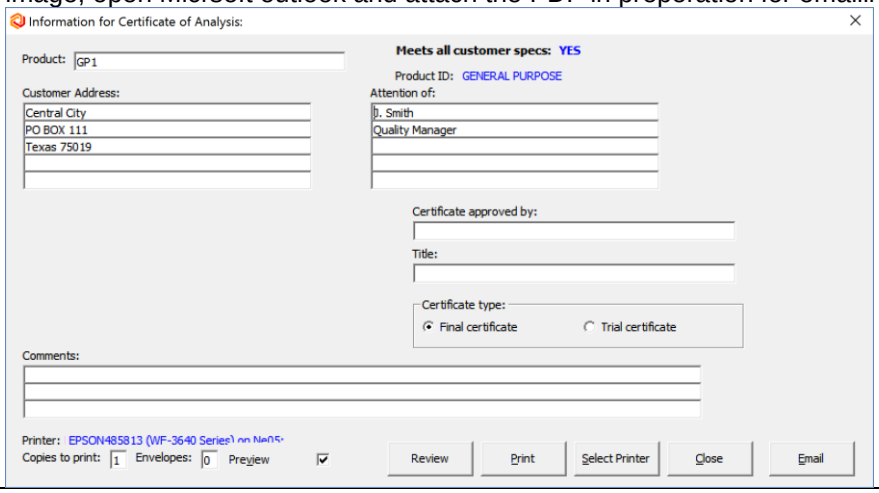
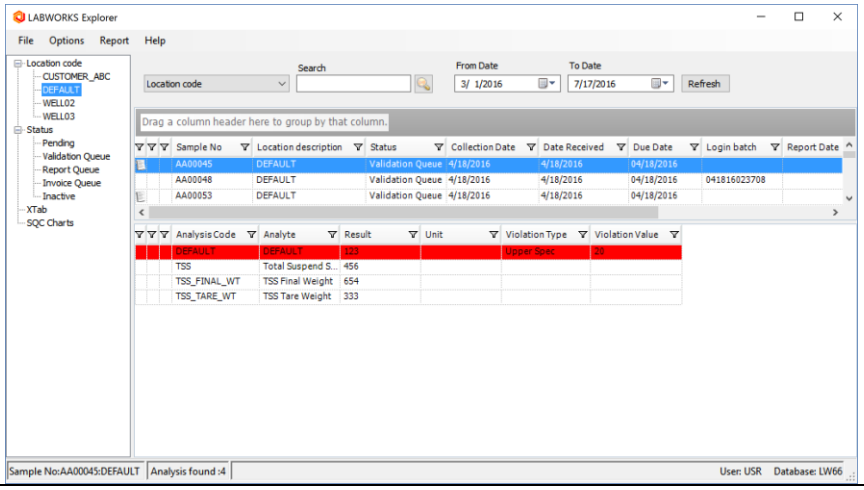
| Item: | Certificate of Analysis |
|---|---|
| Description: | Email of COA as PDF directly from application. COA application can now generate a PDF image, open Micrsoft outlook and attach the PDF in preperation for emailing. |




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




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

| Item: | Excel Calculation – Added Macro Support, Rounding of Calculated Values |
|---|---|
| Description: | Excel calculations can now run a macro as part of the calculation. By adding support to run a macro, calculations can now include more user defined actions, such as saving chart files, reading/writing external data…<br>Rounding – Calculated excel values can be rounded as per analysis code rules.<br>SYSMGR/ROUND_IMPORTED_RESULTS = TRUE |

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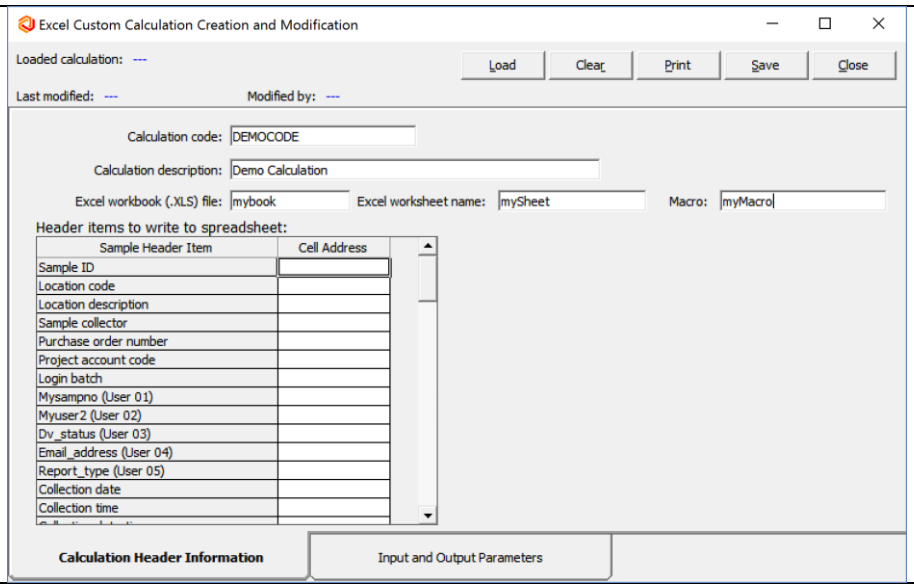


Others:

| | |
|---|---|
| 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<br>Added Nlabels saving to SampleLogin prelogin groups<br>Added Direct integration of Bartender label select to MultiSampleLogin<br>Support Nlabels in when using Select w/ Bartender |

| | |
|---|---|
| Item: | Various |
| Description: | Special Info – Added support for descriptions with single quotes<br>ProcessScheduler - Edit Analyses – Resizable, improved UI<br>Updated Help<br>Updated software development controls<br>Installation – Single step upgrades from 6.X. Improved single Script and XSP file.<br>Installation – New Code signing certificate, images, installation folders.<br>SIMC Performance – Faster PostResults6, DMR<br>Errorlog Viewer – Properly display when many errorlog records.<br>Database Support – Added support for SQL 2014, 2016<br>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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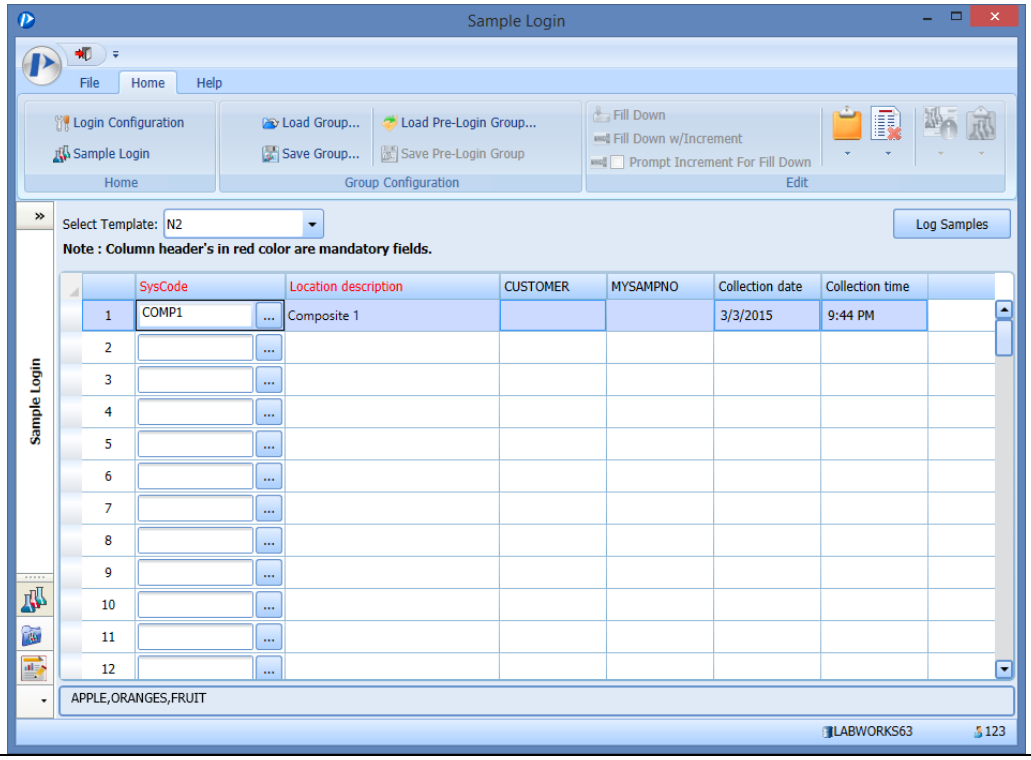
# What's New 6.5

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

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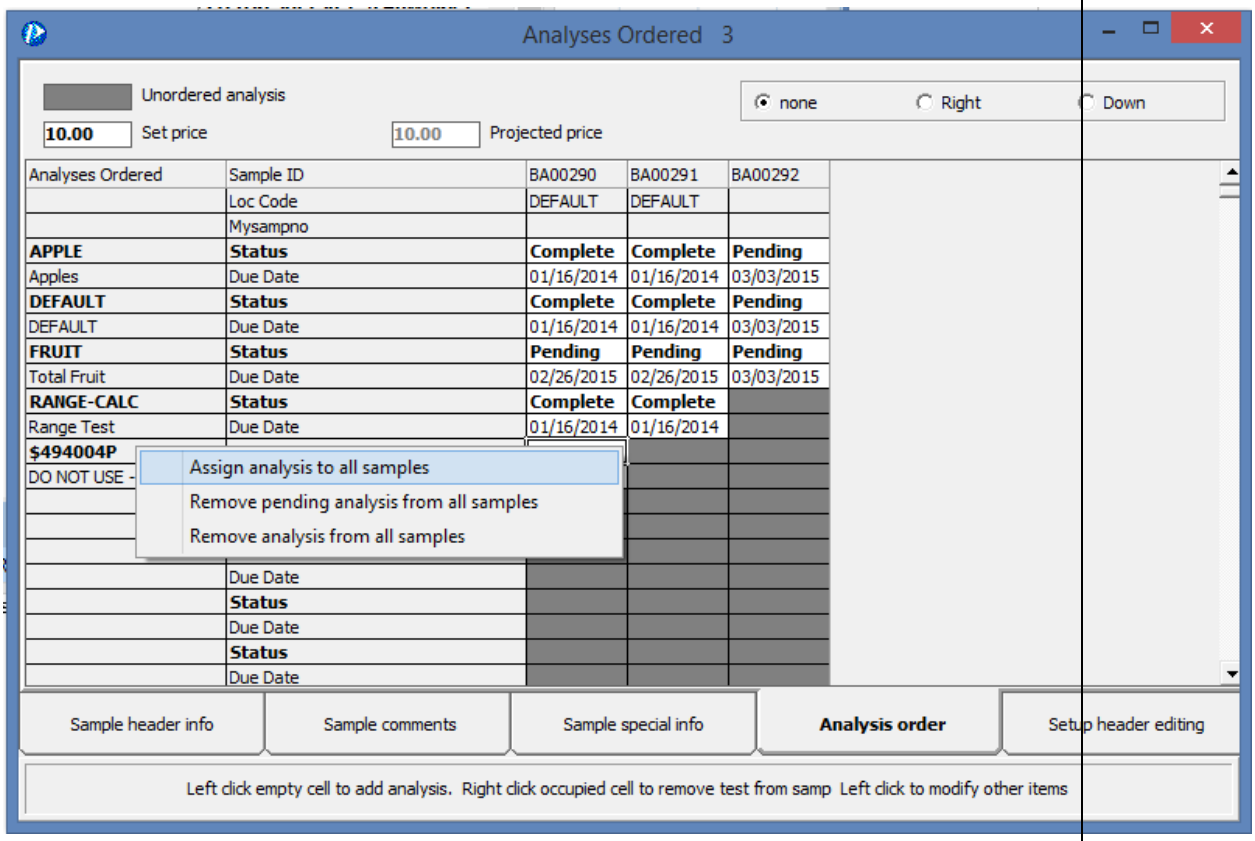
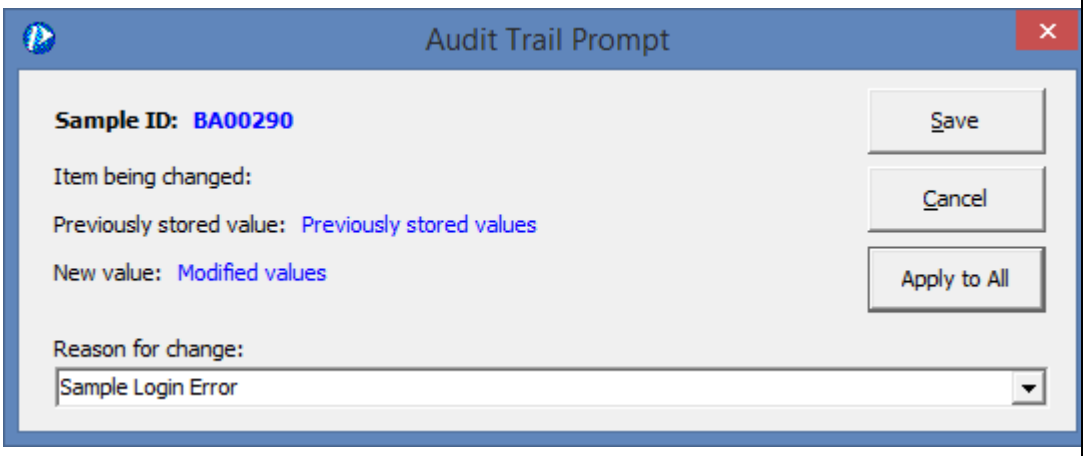
| Item: | Sample Modify Improvements |
|---|---|
| Description: | Add/Remove analysis to multiple samples with a single click. |




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

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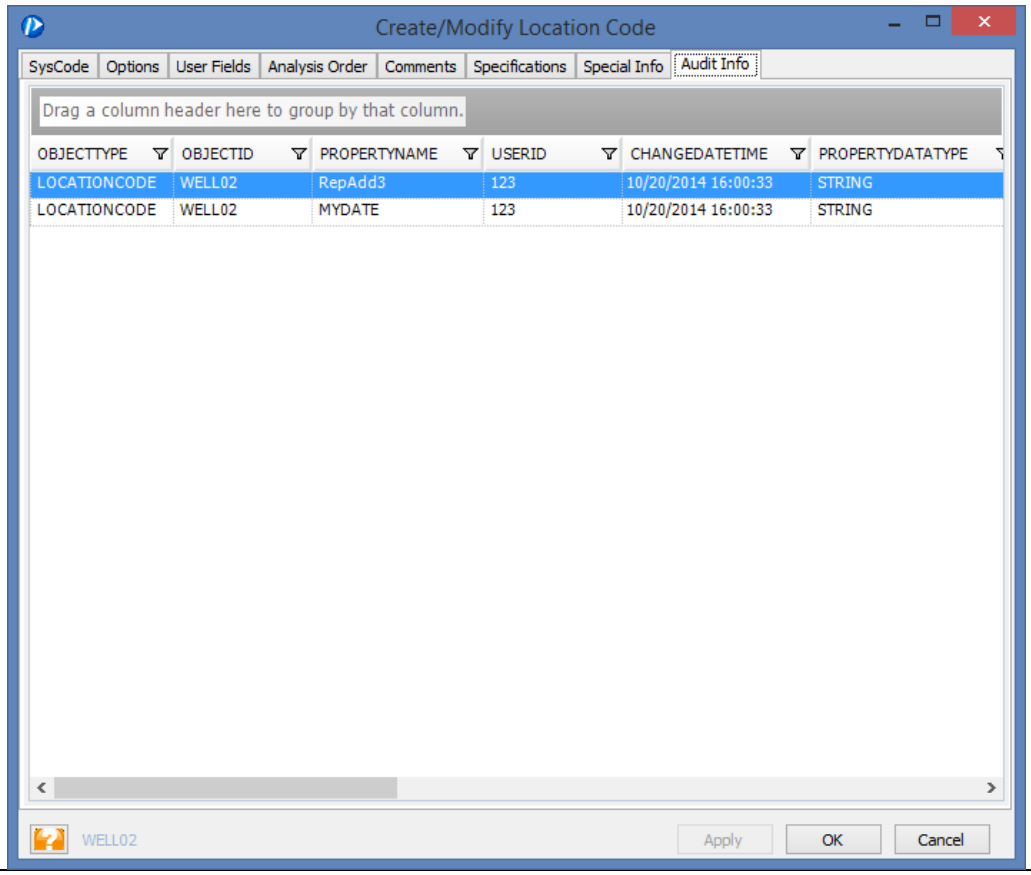
| Item: | Analysis/Location Code Improvements |
|---|---|
| Description: | Directly Access Audit Trail from the application. |

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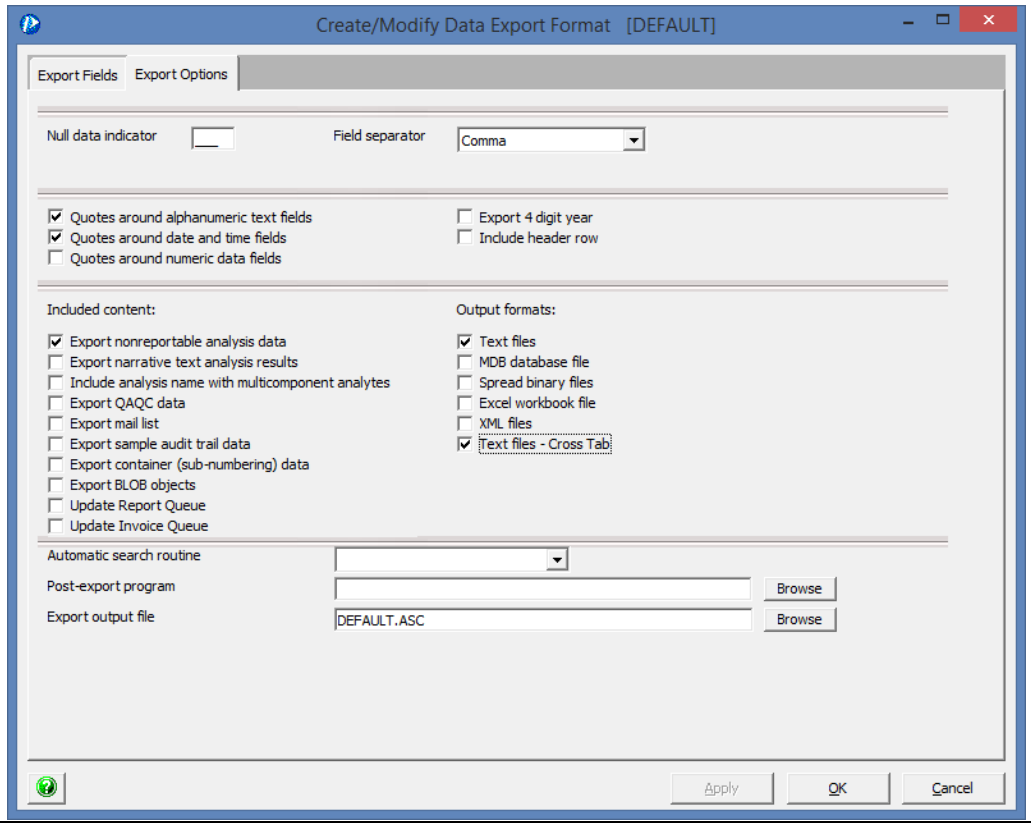
| Item: | Data Export Improvements |
|---|---|
| Description: | Directly export to Cross Tab from LabWorks. |

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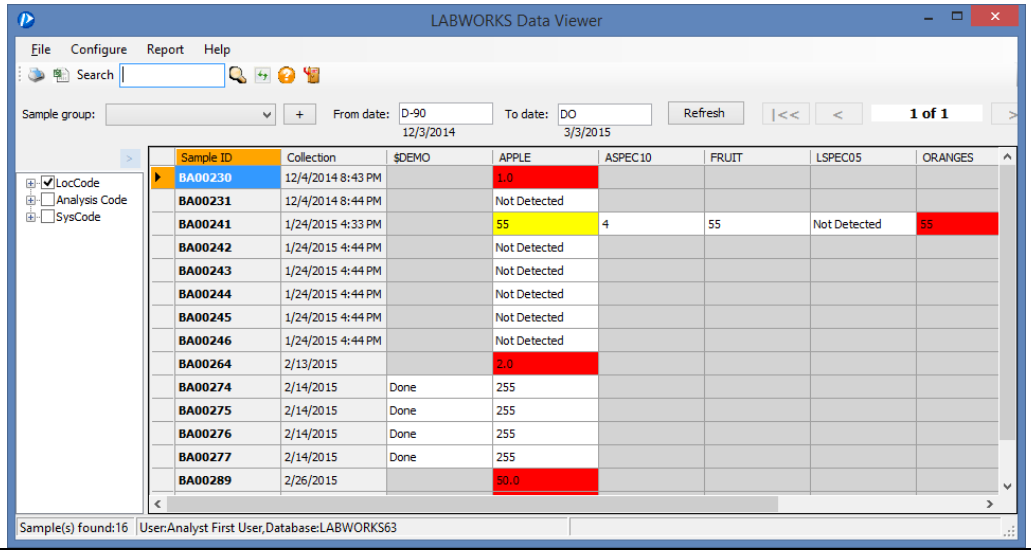
| Item: | LWDataViewer Improvements |
|---|---|
| Description: | Added support for Relative Dates. Ex: always display last 90 days. |

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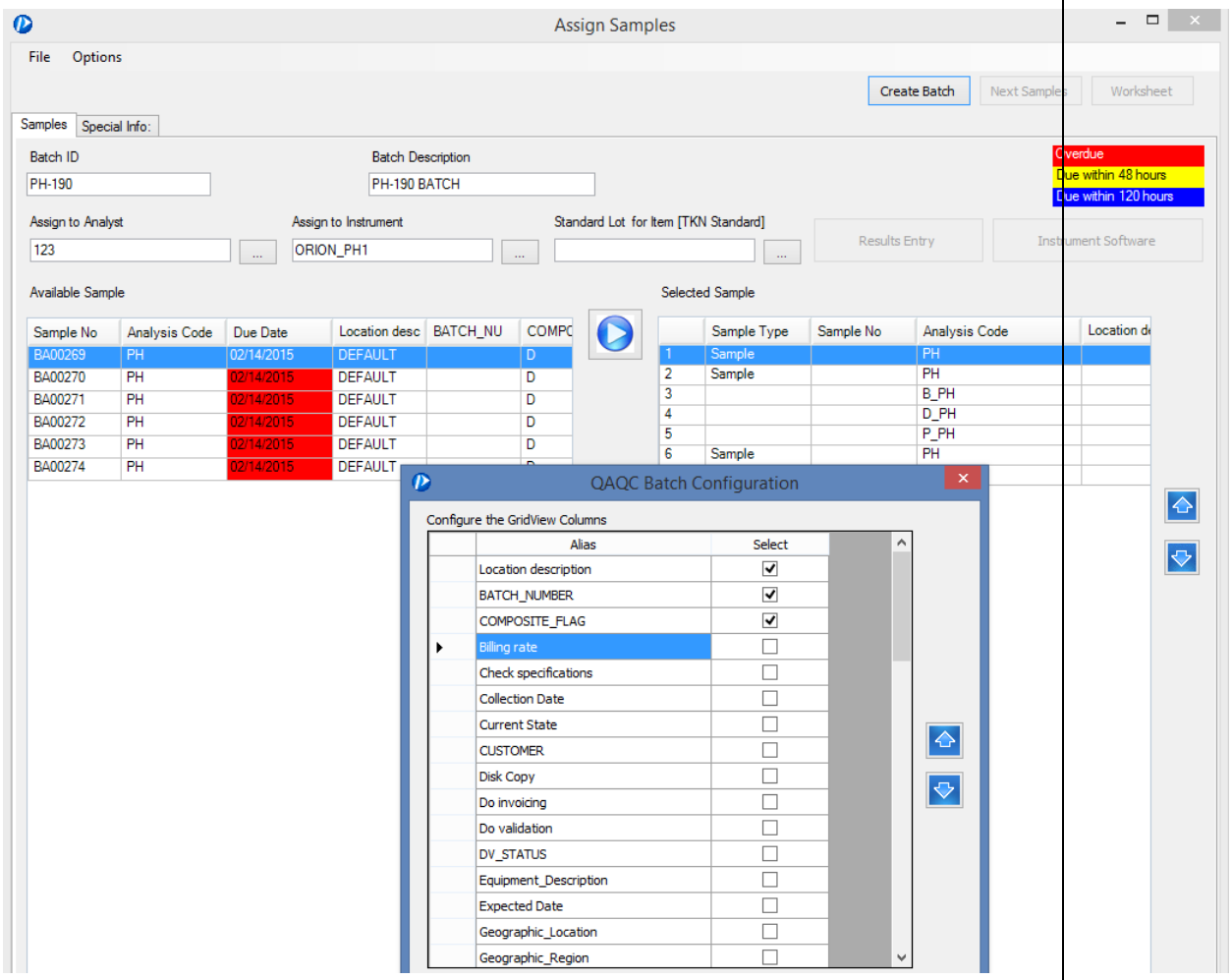
| Item: | QA/QC Batch Builder Improvements |
|---|---|
| Description: | User configurable Columns – Add User defined data |

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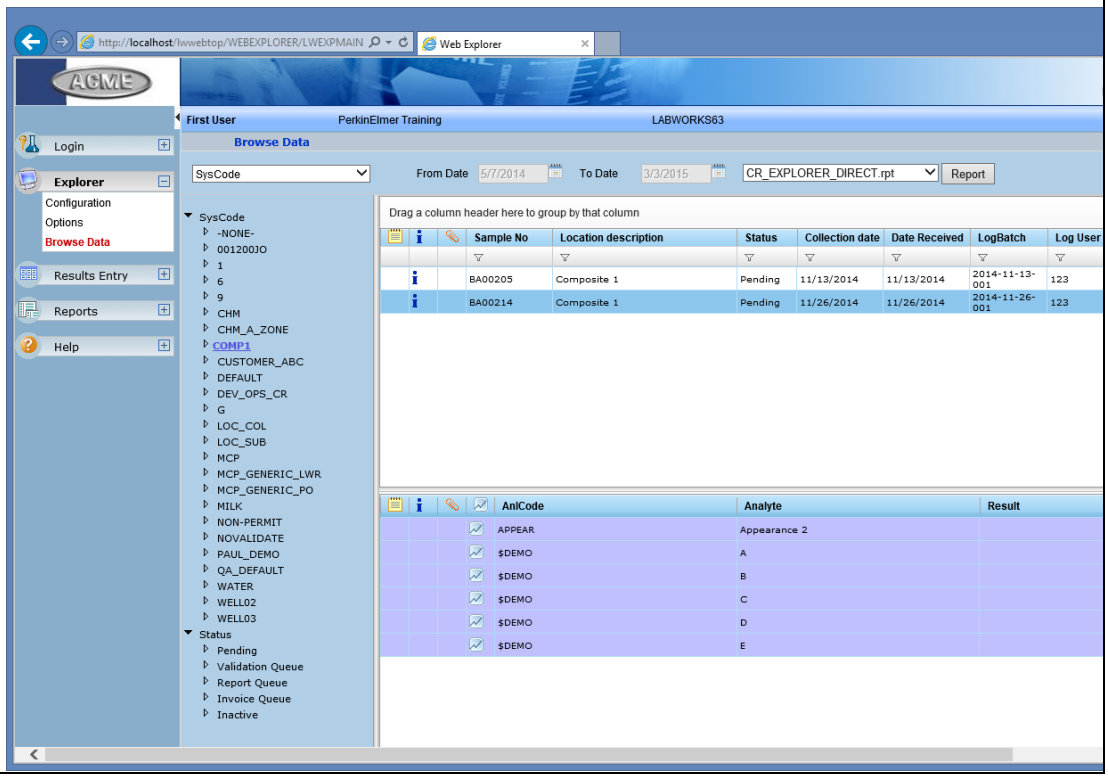
| Item: | WebTop Improvements |
|---|---|
| Description: | Enhanced to support newer browsers, better screen usage, easier access to reports.  |



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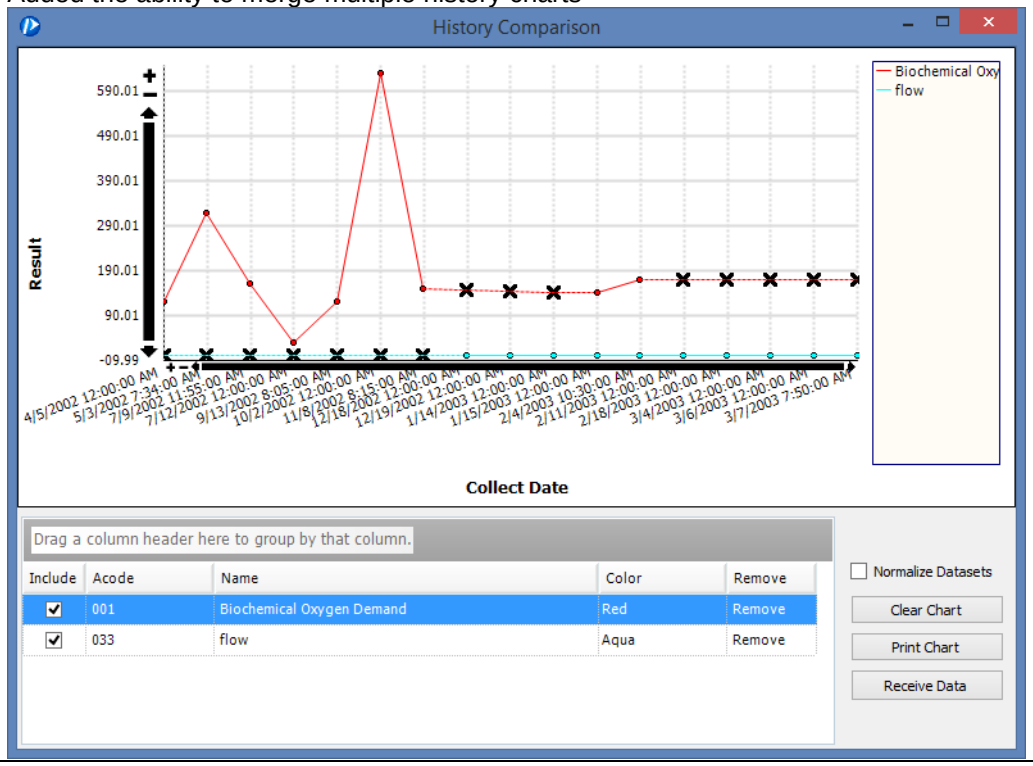
| Item: | Graphical Trend Viewer |
|---|---|
| Description: | Added the ability to merge multiple history charts |




## 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 7.0:**

| Sr. No | Configuration | Updated in | Default Value | Behaviour |
|---|---|---|---|---|
| 1. | ADD_TO_PROCESS_SCHEDULER | SYSMGR | 0 | Deprecated - Adds sample to process scheduler during login |
| 2. | ATTACH_OVER_MAXFILESIZE_AS_LINK | SYSMGR | -1 | Attachments over MAX file size limit ( SYSMGR setting ATTACHMENT_MAXFILESIZE) will be added as link, if the flag is set to True. |
| 3. | ATTACHMENT_MAXFILESIZE | SYSMGR | 10592256 | Maximum File size for the file uploaded through 'Copy' mode using document |

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| | | | | |
|---|---|---|---|---|
| | | | | attachment (Default Max file size is 10 MB i.e 10592256) |
| 4. | BULK_AUDIT | SYSMGR | 0 | Allow Result Entry to Audit in bulk |
| 5. | INVENTORY_AUTOCONSUME_NEGATIVE_QTY | SYSMGR | 0 | Allow Consumption of Item quantity such that negative Available Stock quantity is supported. |
| 6. | INVENTORY_GRADE_OVERRIDE_OPTIMISTIC | SYSMGR | -1 | Allow Inventory data fields to be overwritten with new values upon receiving the same Inventory Item again |
| 7. | MODIFY_ANALTENAME | SYSMGR | 0 | Support addition of Unspecified component in ResultEntry |
| 8. | OVERWRITENARRATIVERESULT | SYSMGR | -1 | If the setting is True, then Narrative Analysis result is overwritten. If the setting is false, the Narrative Analysis result is appended to previous result. |
| 9. | ROUND_EXCEL_CALC | SYSMGR | -1 | Apply rounding during Excel Calculation |
| 10. | ROUND_RESULT_BEFORE_SPEC_EVALUATION | SYSMGR | 0 | Round Result value before performing Spec evaluation on leave cell event in Results Entry application. |

## 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. 6.10.

The following issues were fixed in LABWORKS version 7.0:

| Sr.No | Item | Description |
|---|---|---|
| 1. | SL_VALID_DAYS_BACK & FORWARD ignored in LWSampleLogin and PSLogin | A bug has been fixed in Process Scheduler - Sample Login so that SL_VALID_DAYS_BACK & FORWARD is considered for collection date during PSLogin |
| 2. | Samples available for batching even if already batched | A bug has been fixed in QAQC Batch Builder such that already batched samples are not available for batching |
| 3. | Report will not update data for one Process | A bug has been fixed in Crystal Report for |

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| | | |
|---|---|---|
| | Scheduler department samples | Process Scheduler such that report is generated even if MODUSER field value is null |
| 4. | Leaving options for entering method reference off result templates can lose data | A bug has been fixed in Results Entry such that Analysis Method Reference is populated even if Method Reference is not configured in Results Entry Template |
| 5. | View Analysis Object from Validation Module | A bug has been fixed in Sample Analysis and Validation such that Analysis Object can be viewed from Validation Module |
| 6. | LWInventory Management, Paging of Inventory Library not working on Oracle Database. | A bug has been fixed in LW Inventory application such that paging of Inventory Library works fine on Oracle Database |
| 7. | Sample Validation Form - Left click on Analysis Ordered column behavior | A bug has been fixed in Sample Analysis and Validation Form such that nothing happens on left clicking on Analysis Ordered column |
| 8. | QC Batch Print Worksheet just says Print | A bug has been fixed in QA QC Batch Builder so that Print Worksheet button is enabled only if Crystal Report Template is assigned |
| 9. | eWorksheet Post Results Field INSTRUMENT not posting | A bug has been fixed in eWorksheet so that eWorksheet posts the INSTRUMENT field having field length upto 24 characters |
| 10. | Analysis List and Location List Maintenance Selecting Multiple Codes for State Change | A bug has been fixed in Analysis Maintenance and LocList Maintenance so that multiple Codes can be selected for State Change |
| 11. | Analysis List Maintenance - Ownership Fields Tab Order | A bug has been fixed in Analysis Maintenance application so that tab order of Ownership fields is maintained |
| 12. | Backlog export to excel produces a csv file instead of xls | A bug has been fixed in Backlog Export to correct the SYSMGR setting to EXCEL_EXTENSION instead of EXCEL_EXTENSTION |
| 13. | Results Entry Instrument Interfaces for XLS format / LABWORKS PR6 CSV / Labworks PR6 files from Backlog | A bug has been fixed in Results Entry and Backlog Report application so that Results Entry Instrument Interfaces support XLS format / LABWORKS PR6 CSV / Labworks PR6 files generated from Backlog Report |
| 14. | Can't add analysis to sample in Results Entry | A bug has been fixed in Results Entry so that user can right click on test that is not ordered on sample and add analysis |
| 15. | License count for login only not working for login only users | LW Desktop Configure License application has been enhanced to display a popup prompting the user to restart LWLicenseService so that the latest license allocation changes are applied |
| 16. | NGMigrationTool Crashing during Migration | A bug has been fixed in NGMigrationTool to resolve the application crashes |
| 17. | MOR report not displaying results | A bug has been fixed in MOR Report so that results are displayed correctly for selected date range |
| 18. | EXCEL CALC - Scientific Notation Result | A bug has been fixed in Results Entry so that in case of Excel Calculation, rounding is applied to the result based on SYSMGR setting ROUND_EXCEL_CALC |
| 19. | Sorting in Results Entry | A bug has been fixed in Results Entry so that data is sorted based on Results Entry |

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| | | |
|---|---|---|
| | | Template configuration |
| 20. | Copy paste in Multisample login | A bug has been fixed in Multi Sample Login so that copy and paste of multiple rows and columns from Excel into Login template is supported |
| 21. | SAMPLE SELECTION - Analysis Validation Queue | A bug has been fixed in Sample Selection so that when selecting 'Analyses Awaiting Validation' prompt is displayed only if the number of samples is greater than the configured value |
| 22. | DMR Update requires new User Defined Field | Sampler_ID included in eDMR requires new User Defined field SAMPLER_ID |
| 23. | NGII - PR6 not posting/PS-UDF Field Data Missing | A bug has been fixed in Process Scheduler so that User Defined data is retained after being logged into Process Scheduler |
| 24. | You can't filter samples in process scheduler when the date is in the future using the new filter row. | A bug has been fixed in Process Scheduler so that samples can be filtered for future date |
| 25. | eWorksheet Copy Paste Text Import Wizard Missing | A bug has been fixed in eWorksheet by supporting additional eWorksheet Template configuration for Unprotected Excel Sheet Names and QA QC Batch Cell Name |
| 26. | PostResults6 fails to import MC results when number of unpopulated components plus number of results raws exceeds 61 for a given $ACODE | A bug has been fixed in PostResults6 so that it imports MC results when comments are blank for a given $ACODE |
| 27. | Standard Labworks Calcs not Executing for Multi-comp Tests | A bug has been fixed in Results Entry so that Standard Labworks Calculations are executed for Multi-Component Tests |
| 28. | 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 |
| 29. | Specification issue in NWA Quality Analyst | A bug has been fixed in SQC Charting so that "Target" value displayed in the chart, as per the configuration |
| 30. | LWSampleLogin Logbatch Template Prompt Group Issue | A bug has been fixed in LWSample Login - Log Batch Template so that the template can be edited to remove all the prompt group items |
| 31. | PQL is changed in result entry without reason for manually entered results | A bug has been fixed in Results Entry so that PQL is not changed automatically for manually entered results |
| 32. | Can't enter results when the user is marked as user and not analyst in the new LWtraininandMaintenance.exe | A bug has been fixed in LWTrainingAndMaintenance application so performance is improved when user edits the data in result entry cell and ANLYST_BY settings are false |
| 33. | eWorksheet Not Allowing Data Entry Past Column Z | A bug has been fixed in eWorksheet so that data entry into empty cells past column Z will be allowed |
| 34. | RESULT ENTRY - LW Calculations not firing | A bug has been fixed in Results Entry so that LW Calculations are fired appropriately |
| 35. | Process Scheduler assigns collection dates to samples that are ready to collect | A bug has been fixed in Process Scheduler so that collection dates are not assigned to samples that are logged in at ready to collect state |

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| | | |
|---|---|---|
| 36. | Column sorting in Web Explorer does not save properly | A bug has been fixed in Web Explorer so that column sorting is saved properly |
| 37. | Multicomponent calculation not following non-numeric result rule | A bug has been fixed in Results Entry so that Multicomponent calculation follows non-numeric result rule and returns result as Zero |
| 38. | Result time and date not imported using CSV import | A bug has been fixed in Results Entry import so that Analysis Start and End Date Times are imported using CSV import |
| 39. | POST RESULTS 6/LW MULTI-COMPONENT TRANSFER - Default Values | A bug has been fixed in LWMultiComponent Transfer so that while processing the input file, default values for MDL,UNIT,AREF are populated for analysis as well as analytes |
| 40. | eWORKSHEETS - Not auditing all changes | A bug has been fixed in eWorksheet application so that values pasted or filled down are audited |
| 41. | eWorksheets - Autofill issues | A bug has been fixed in eWorksheet application so that Autofill completes and remove samples from available list |
| 42. | DESKMENU - New executables to be added by default | A bug has been fixed in LWDesktop so that new executables/modules are automatically added to the default Desk Menu |
| 43. | ProcessScheduler - Overflow error in schedule edit | A bug has been fixed in Process Scheduler so that overflow error does not occur in Schedule Edit |
| 44. | MULTI-COMPONENT TRANSFER- Analysis Date/Time Stamps | A bug has been fixed in Legacy MultiComponent Transfer so that analysis start date/time is picked up from the GRF file |
| 45. | QAQC Template & Batch builders not working "Object reference not set to an instance of an object." error | A bug has been fixed in QAQC Template Builder so that the application launches successfully without Document Scanner issue |
| 46. | Access Reports limited to 5000 samples | Access Reports - Increased number of samples that can be reported from 5000 to 10000 |
| 47. | Missing sample information when printing narrative text result from result entry | A bug has been fixed in Results Entry so that sample information is displayed properly when printing narrative text result |
| 48. | Process Scheduler Cut/Paste Issue | Process Scheduler has been enhanced with "Change Request Date" option on Sample View screen. |
| 49. | Units do not display for $tests in Web Explorer | A bug has been fixed in Web Explorer so that units are displayed for multi-component analytes |
| 50. | LW Multi-Component Transfer - ANLABBR PR6 field not working | A bug has been fixed in LWMultiComponent Transfer so that ANLABBR fields used in PR6 data files get uploaded. |
| 51. | LWSampleLogin PreLoginGroup Assigning Test to Container | A bug has been fixed in LWSampleLogin so that Analysis assigned to Containers are saved in case of movement of analysis from 'NO CONTAINER' to a selected Container |
| 52. | MULTI-SAMPLE LOGIN - Missing Pasted Data | A bug has been fixed in Multi-sample login so that data pasted from Excel into Multi-sample login is not lost |
| 53. | Bulk Audit prevents saving results | A bug has been fixed in Results Entry so that result changes are saved even after turning on bulk audit trail. |

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| | | |
|---|---|---|
| 54. | Object Scan Missing Error Handler | A bug has been fixed in Results Entry so that error handling is enhanced in Document Scanner |
| 55. | Select Pre-Login Groups From File (PR2) Not Saving To Database | A bug has been fixed so that all Pre-Login Groups from PR2 File are saved to Database |
| 56. | LWDataservice Bartender label printing doesn't wait for print job to finish, causing errors on multiple print jobs | A bug has been fixed in LWDataService Bartender Label printing so that it support multiple print jobs |
| 57. | Calculation not functioning properly after 6.10 upgrade from 6.5 | A bug has been fixed in Results Entry so that calculation functions properly after LABWORKS upgrade |
| 58. | LABWORKS Explorer comment icon displays whether comments are present or not. | A bug has been fixed in LWExplorer so that Explorer comment icon is displayed only if comments are present. |
| 59. | eWorksheets - Unable to edit cells | A bug has been fixed in eWorksheet so that user can configure EndCellColumnName, so that all the cells upto EndCell, can be made available for editing. |
| 60. | QAQC Batching - eWorksheets do not launch | A bug has been fixed in eWorksheet so that eWorksheets are launched from QA QC Batch Builder |
| 61. | eWorksheets Copy/Paste raw data hang up | A bug has been fixed in eWorksheet so that Unprotected Sheets are considered as Not Audited and copy paste operation does not cause the application to hang |
| 62. | Null MDL values get converted to 0.000 when a dilution factor is applied. | A bug has been fixed in Results Entry so that Null MDL values are not converted to 0.000 when dilution factor is applied. |
| 63. | When narrative results are modified in eWorksheet, the result concatenates to prior results instead of overwriting | A bug has been fixed in eWorksheet so that narrative results are appended or overwritten based on SYSMGR setting 'OVERWRITENARRATIVERESULT ' |
| 64. | Inventory - Only permits creation on nodes with children | A bug has been fixed in LWInventoryManagement so that storage locations with names upto 150 characters can be created. |
| 65. | LWSampleLogin mouse selects the entire record raw instead of the cell(s) | A bug has been fixed in LWSampleLogin so that individual column cells can be dragged |
| 66. | ANALYSIS LIST/STATE MANAGEMENT-Blank Analysis Definition | A bug was fixed in Analysis List Maintenance such that duplicate entry of state transition from DRAFT to ACTIVE with transition modes as Manual and Automatic is handled properly |
| 67. | LABOBJMAILLIST records being deleted by LWQAQCBatchBuilder | A bug has been fixed in LW QA QC Batch Builder such that LABOBJMAILLIST records are not removed from the samples when a batch is created |
| 68. | Lost Desktop Toolbar and Web Menu after upgrading | A bug has been fixed in LW Desktop so that default WebMenu is always loaded after upgrade |
| 69. | eWorksheet - Complete eWorksheet Message Box | A bug has been fixed in eWorksheet application so that Complete eWorksheet Message Box does not appear on clicking "Complete eWorksheet" button |
| 70. | LWWSystem - Save Ownership Error | A bug has been fixed in SYSMGR so that Ownership changes are saved |

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| | | |
|---|---|---|
| 71. | Bottle code does not have result of done entered after login | A bug has been fixed in LWSampleLogin so that the result is automatically marked as DONE for the container after sample login. |
| 72. | LWSampleLogin doesn't assign Analysis Attributes when using #GROUP | A bug has been fixed in LW Sample Login such that AREF, Replicate Configuration values are displayed in Analysis Edit irrespective of USE_CONTAINER flag setting |
| 73. | 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. |
| 74. | 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 |
| 75. | Can't change status of inventory item | A bug has been fixed in LW Inventory Management so that status of an Inventory Item can be changed |
| 76. | SigPlus.ocx not registered during client install | A bug has been fixed in LW Installer such that there are no OCX errors during installation and un-installation |
| 77. | MOR Reporting Exporting Only Partial Data in Select Conditions | A bug has been fixed in MOR Report such that all MOR mapped fields are exported to spreadsheet |
| 78. | LWSampleLogin - Copy Paste Row 1 to Row 2 doesn't work | A bug has been fixed in LW Sample Login such that Copy Paste Row 1 to Row 2 works |
| 79. | Tab Order Issue in Instrument Maintenance Application | A bug has been fixed in Instrument Maintenance application so that tab order in the "Instrument Detail" dialog box flows consecutively |
| 80. | MOR - Missing Data | A bug has been fixed in MOR Report such that missing MOR data is displayed correctly |
| 81. | ResultsEntry - Missing right click add analysis and AuditComment displays when no previous comment | A bug has been fixed in Results Entry so that "Add analysis" option is available and AuditComment pop-up is displayed only when there is previous comment |
| 82. | LW Inventory Management - Filter Alert Home Page by Storage Location | A bug has been fixed in LW Inventory Management so that Filter Alert Home Page by Storage Location works properly |
| 83. | LWSysCfg issues: LWSyscfg Workstation List not populated via LWLicenseService, crashes double clicking items, readonly auth tab | LWSysCfg Application has been enhanced so that authentication type (Domain/LABWORKS) can be configured at workstation level |
| 84. | TLS 1.2 and Microsoft OLEDB Provider | LABWORKS application has been enhanced to support Microsoft OLE DB driver supporting TLS 1.2 |
| 85. | LW Login/Process Scheduler - Missing UDF Data | A bug has been fixed in Process Scheduler so that the user defined data is displayed in Process Scheduler for the samples logged-in via LW Sample Login |
| 86. | Audit Trail Viewer Object ID picklist fails to populate for large AuditTrail table | A bug has been fixed in Audit Trail Viewer such that the filter for all the entered fields is considered while loading Object ID picklist and the picklist will not be populated if it contains more than 1000 items |
| 87. | Access Reports Sample Comments Line 1-x | A bug has been fixed so that in Access |

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| | | |
|---|---|---|
| | Issue | Reports, Sample Comments for lines 2-x are displayed properly. |
| 88. | DMR - Calculating Geometric Mean and Max when 1 result and equal to the MDL | A bug has been fixed in DMR application so that Geometric Mean and Max values are calculated when result value is "1" and it is equal to the MDL |
| 89. | LWSampleLogin - SEQUENTIAL_ANALYSIS_DUEDATE_RECALC issue | A bug has been fixed in LWSample Login so that SEQUENTIAL_ANALYSIS_DUEDATE_RECALC flag is no longer applicable, as the due dates are not calculated based on the "Prerequisite Analysis Code" due dates. |
| 90. | DataViewer Copy/Paste no longer available | A bug has been fixed in LWDataviewer so that user can copy the selected information from the DataViewer Grid and paste it in notepad or excel |
| 91. | INI file editor USER/DATA copies | A bug has been fixed in INI file editor so that if user tries to load a non-existent User or Data INI file then a new INI file is created |
| 92. | Right button click issue in Process Scheduler | A bug has been fixed in Process Scheduler so that data grid on "Shelf Life" tab is not refreshed when right click operation is performed |
| 93. | QCBatch order to eWorksheet order issue | A bug has been fixed in eWorksheet application so that QAQC Batch order is maintained in eWorksheet list |
| 94. | Double login of samples on Process Scheduler groups | A bug has been fixed in Process Scheduler so that samples are not logged-in twice for one group |
| 95. | Process Scheduler Sample Sorting/Selection Issue | A bug has been fixed in Process Scheduler so that sorted list of samples is maintained after launching programs (e.g. results entry and reporting) from those sample selections |
| 96. | Doesn't show any available stock to add since 1 < 250 even though there is open stock for 1000uL (1mL) of component | A bug has been fixed in LW Inventory application such that available quantity and consumption quantity is compared based on their units |
| 97. | Oracle 19 Client incompatible with 6.9/6.10 eWorksheets | A bug has been fixed in eWorksheet application so that it is compatible with Oracle 19 client |
| 98. | Customer Reported Issue: MOR template issue | A bug has been fixed in MOR Reports so that result data is displayed appropriately in the reports |
| 99. | ResultsEntry does not load all samples | A bug has been fixed in Results Entry so that data for all samples is loaded even if the samples have large number of replicates |
| 100. | Cannot Change Batch Status in LWQAQCBatchBuilder | A bug has been fixed in LW QAQC Batch Builder so that batch status can be changed for existing batches using Context Menu |
| 101. | Certain Batches cannot have statuses updated with Main LWQAQCBatchBuilder Edit Form | A bug has been fixed in LW QAQC Batch Builder so that batch status can be changed from Main Edit Form |
| 102. | IGTabs40.ocx or one of its dependencies not correctly registered: a file is missing or invalid | A bug has been fixed in LW Client Installer so that IGTabs40.ocx, THREED32.OCX, PVXPLORE8.ocx and its dependencies are correctly registered |

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| | | |
|---|---|---|
| 103. | McSelect does not remove single components | MCSelect application check box title was changed to "Include Single Component Tests - Display Only" to indicate that Single Component information cannot be changed |
| 104. | USERHEAD Encrypt Password Data Migration Not Working | A bug has been fixed in LWMigrationUtility so that USERHEAD information is migrated successfully |
| 105. | User defined fields missing in PS Sample Edit | A bug has been fixed in Process Scheduler so that all configured User Defined fields are displayed in PS Sample Edit |
| 106. | PAM Filter of Analytes where the Analyte contains a comma has filtering issues | A bug has been fixed in QA QC Batch Builder so that analytes that contain a Comma are also included in\ the filtering process. |
| 107. | Bartender Creates Log file after each print | A bug has been fixed in Bartender application such that Bartender does not create Log file after each print |
| 108. | MOR REPORTS - Missing Special Info Data | A bug has been fixed in MOR Reports so that Special Info Data is loaded in the report based on report configuration |
| 109. | QC Batching - minor issues spelling and department filter | A bug has been fixed in QA QC Batch Builder so that filter for department can be reset if it does not return records |
| 110. | eWorksheet - unable to reopen after initial creation | A bug has been fixed in QA QC Batch Builder so that previously created eWorksheet can be opened from QA QC Batch |
| 111. | PS and SampleLogin Issues error with Section field (Project Acct Code) | A bug has been fixed in Process Scheduler and LW Sample Login so that samples are logged-in with Section field (Project Acct Code) |
| 112. | Multi-Component Transfer- Default Units | A bug has been fixed in LWMultiComponent Transfer so that default value of Analysis Units is displayed in Multi-component Transfer when using a PR6 file |
| 113. | CEF Export and LWEXP6.EXE | A bug has been fixed in LWEXP6 so that a CEF created with LABWORKS 6.8.5 will work in LWEXP6 (old Explorer) |
| 114. | ResultsEntry - Import Review for Single component crash | A bug has been fixed in Results Entry application so that Preview Results does not crash on edit of MDL |
| 115. | Access Chain of Custody in Chinese fails on file read depending on double byte character offset | A bug has been fixed in Reporting so that Chain Of Custody - Access supports export of Chinese Characters |
| 116. | 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 |
| 117. | 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 |
| 118. | FIPS Migration Utility Throwing Out of Memory Error | A bug has been fixed in LWMigration Utility so that migration can be done for "User Head", "Result" and "Audit trail" data separately and performance is improved |
| 119. | Backlog Export to XLS, CSV etc. not exporting correct field names | A bug has been fixed in Backlog Report Export so that correct header field names are exported |
| 120. | Backlog report failing to export | A bug has been fixed in Backlog Report - CSV |

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| | $multicomponent Analyte Names | export so that ANALYTE NAME field can be selected for export |
| 121. | LWDataviewer should work with Readonly License | A bug has been fixed in LWDataViewer so that Graphical Trend Viewer works with Readonly license |
| 122. | MCSelect6 Overflow Error | A bug has been fixed in MCSelect application so that overflow error does not occur in case large number analytes are associated with the sample |
| 123. | Replicates not getting correct result | A bug has been fixed in Results Entry so that correct replicate results are stored |
| 124. | Progress Report Swapping Value Display of Dilution Factor and Qualifier Fields | A bug has been fixed in Progress Report so that Dilution Factor and Qualifier Field values are displayed under respective column headers |
| 125. | Backlog Reports Showing Incorrect Due Date Warnings in Certain Column Configurations | A bug has been fixed in Backlog Report so that Due Date Warnings are not displayed incorrectly for certain Column Configurations |
| 126. | LWWebTop - Explorer and Explorer Configuration Not working | A bug has been fixed in LWWebTop so that Explorer Configuration and Explorer- Browse Data display data properly |
| 127. | LWQuickTrack Issue with moving containers | A bug has been fixed in LWQuickTrack application so that only the moved containers are displayed in the list after clicking "Move Container" button |
| 128. | LABWORKS License Manager not displaying new optional licenses | A bug has been fixed in LABWORKS License Manager so that new optional licenses are displayed |
| 129. | LWSampleLogin - Populate ANALYSIS.SGACODE when logging in samples/tests for # groups | A bug has been fixed in LWSampleLogin so that ANALYSIS.SGACODE is populated while logging in samples/tests for # groups |
| 130. | License issue with login only license | A bug has been fixed in CRGEN so that the application works with LOGIN only license |
| 131. | LWInventory introducing "grades" to selectively allow material, batch or bottle level granularity to support negative stock | LWInventory Management has been enhanced so that if items from multiple batches do not have sufficient quantity for Auto-consumption then system will deduct the consumption quantity from the FIFO batch and shall show Negative stock |
| 132. | LWSampleLogin Ctl-C Ctl-V Not Working | A bug has been fixed in LWSampleLogin so that Ctl-C Ctl-V works for the grid |
| 133. | QAQC Batch Builder Optional Field Display Issue | A bug has been fixed in QA QC Batch Builder so that configured optional fields are continued to be displayed, even after returning selected samples for the batch to the pending list |
| 134. | COA Lot Number lookup fails when multiple lots | A bug has been fixed in COA application so that Lot Number lookup displays appropriate data even if there are multiple lots |
| 135. | LWAutoScratch not running - command line case sensitive | A bug has been fixed in LWAutoScratch application so that the program processes command line from ResultsEntry without being case sensitive |
| 136. | ResultsEntry User not qualified if number of analysts > 500 | A bug has been fixed in Results Entry so that user qualification works correctly even if Number of Analysts is greater than 500 |

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| 137. | LWSyscfg when used in TLS 1.2 configuration can't connect to labworks database to update users | A bug has been fixed in LWSYSCFG so that LWSYSCFG can connect to LABWORKS database to update users, when used in TLS 1.2 configuration |
| 138. | Location Code Default Comments Null | A bug has been fixed in Location List Maintenance so that Null comments are not added by default |
| 139. | Inventory Mgmt Printing Labels Some Print Some Don't | A bug has been fixed in LW Inventory Management so that all labels are printed |
| 140. | ResultsEntry - Narrative Text - Form doesn't load for entry if user doesn't have METHODEDIT privilege | A bug has been fixed in Results Entry so that form is loaded for entry for Narrative text even if user doesn't have METHODEDIT privilege |
| 141. | PAM Groups not saving or applying at login | A bug has been fixed in LWSample Login so that PAM Groups are applied to Acodes at login |
| 142. | BACKLOG - Recently logged in samples showing as overdue | A bug has been fixed in BackLog Report so that recently logged in samples are not shown as overdue |
| 143. | LW Sample Login - Not adding samples to database | A bug has been fixed in LW Sample Login so that an error message is logged if samles cannot be logged as there is schema difference between USERFLDS and SUSERFLDS tables |
| 144. | Installation creates ClientApp.config file with wrong server name | A bug has been fixed in LWInstaller so that it automatically runs with administrative privilege and installation updates ClientApp.config file with correct Server Name |
| 145. | Multi Component Transfer does not process PR6 files generated by backlog search | A bug has been fixed in LWMultiComponent Transfer so that it processes PR6 files generated by Backlog Search |
| 146. | Process Scheduler CTRL click to deselect | A bug has been fixed in Process Scheduler so that user can perform CTRL click to deselect samples |
| 147. | Access Report for COC does not update with new samples | A bug has been fixed in Access Report for COC so that new samples are displayed in the report |
| 148. | Fix assigning analysts/instruments when multiple analyses are selected for the operation. | A bug has been fixed so that the list of analysts/instruments for assigning to a multiple selection includes only those analysts/instruments that can be assigned to each individual analysis. In other words, there should be an intersection of analysts/instruments by analyses in the list. |
| 149. | Issues in loading some data in ProcessScheduler app | A bug has been fixed related to loading DUEDATE, SAMPCOL, OKTOCOLLECT, PAUSED, Qbatched in Process Scheduler. |
| 150. | Exclude PSANLDONETIME sample property from the database | A bug has been fixed so that Analysis complete date is calculated as the maximum analysis start date of all the sample analyses in LWSampleLogin, ProcessScheduler6, LWPSService applications |
| 151. | Remove SAMPLE.SPARETIME from the database. | A bug has been fixed for the logic of using SPARETIME property in LWSampleLogin, ProcessScheduler6, LWPSService applications |

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## 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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