Analyst 1.7.3 HotFix 1 Release Notes

Introduction

For information about a previous software version, refer to the document: *Release Notes* that came with that software version.

New in Analyst 1.7.3 HotFix 1

Enhancements

Note: The installation option to use the deployment tool to freshly install the Analyst 1.7.3 software that uses the AAC security database was not supported in the Analyst 1.7.3 software.

This HotFix includes the following enhancements:

- It supports the option to use the deployment tool to freshly install the Analyst 1.7.3 software that uses the AAC security database.

- Microsoft Office 2021 is supported.

- A new plate layout for the Shimadzu LC-40 autosamplers is now available.

  The Alpha Deep Well MTP 96 plate, a 96 deep well plate layout with alphanumeric numbering starting from the bottom left of the plate, horizontally, is supported for the Shimadzu LC-40 autosamplers. (AN-2758)

- A new plate layout is now available for the Shimadzu SIL-30AC and SIL-30ACMP autosamplers configured through the Integrated System Shimadzu LC Controller or the Integrated System Shimadzu LC-20/30 Controller, with or without RackChanger.

  The Alpha Deep Well MTP 96 plate, a 96 deep well plate layout with alphanumeric numbering starting from the bottom left of the plate, horizontally, is supported. (AN-2223)

- The SIL-30ACMP autosampler can now be controlled using a Shimadzu LC-40 controller (AN-2707)

- The ExionLC 2.0 system driver is updated to version 1.0.0.91 (AN-2759)

- The Analyst Administrator Console (AAC) 3.1 client is installed with the installation of Analyst 1.7.3 HotFix 1. (AN-2836)

- The ExionLC 2.0 system firmware has been updated.

  Contact sciex.com/request-support to update the device firmware.

  - Use firmware version 6.21 for ExionLC 2.0 column switching valves.

- Use firmware version 1.23 for ExionLC 2.0 autosamplers.

Fixed Issues

Shimadzu LC-40 systems: The Analyst software batch stops intermittently if none-default values for the autosampler rinse mode and rinse method are selected

If the Shimadzu LC-40 system is used with the Analyst 1.7.3 software, then the batch might stop if, in the LC method, `none-default` values are selected for the autosampler rinse mode and rinse method. (AN-2901)

Batch submission fails when a specified rack is selected in the acquisition method for Shimadzu 20/30 autosamplers that have a rackchanger configured for use

If a Shimadzu autosampler with a rackchanger that was configured for use through the Integrated Systems Shimadzu LC20/30 Controller is used, then the batch submission fails if the **Specify Rack** option is selected in the acquisition method. (AN-1806)

Batch submission might fail if a specified rack is selected in the acquisition method for Shimadzu 20/30 autosamplers that do not have a rackchanger configured

If a Shimadzu autosampler that does not have a rackchanger configured through the Integrated Systems Shimadzu LC20/30 Controller is used, then the batch submission fails if the **Specify Rack** option is selected and **Rack 1.5 mL 105 vial** or **Rack 1.5 mL 70 vials** is used in the acquisition method. (AN-2805)

If the Analyst Classic quantitation algorithm is used to quantitate poorly separated small peaks, then a smaller peak area than expected might be calculated when an atypically large value for the Separation Height or Separation Width is used for integration.

If the Analyst Classic quantitation algorithm is used to calculate the area of a small peak that is on the shoulder of a large peak eluted before or after the small peak, then the automatic integration using an atypically large value for the **Separation Height** parameter, such as `0.6` (default is `0.01`), or the **Separation Width** parameter, such as `4.0` (default is `0.2`) could cause the peak area to be calculated with a lower value than if the peak area is integrated manually.

This issue might only occur if peaks that are not well separated are integrated. The issue has been fixed for any Results Table that is created using the Analyst 1.7.3 HotFix 1 or later. If a Results Table was created using the Analyst software, version 1.7.3 or an earlier version, then opening or editing the Results Table or updating other integration parameters in Analyst 1.7.3 HotFix 1 or a later version will not trigger the new peak area calculation. To update the calculation for an analyte, in the Results Table, change the quantitation method by removing the analyte and then adding it back. Click **Tools** > **Results Table** > **Modify Method**. The peak area will be calculated for the newly added analyte. (AN-2844)

In the Analyst Administrator Console (AAC) users can add projects from multiple Project Roots but the Analyst software can only access projects from one Project Root

In the AAC, the **Workgroup** > **Projects** node allows projects from multiple Project Roots to be added. However, in the Analyst software, only projects in the Project Root that was created first are accessible by the user. In the Analyst 1.7.3 HotFix 1 and later versions, the user can access projects from different Project Roots using the Root Selection dialog when the Analyst software is opened. (AN-2565)

The ExionLC 2.0 system modified buffer volume in the autosampler configuration user interface is not saved

When the ExionLC 2.0 device is configured in the hardware profile, any changes to the **Buffer Volume** field in the ExionLC 2.0 autosampler configuration are not saved. (AN-2734)

Opening the File Info pane when multiple data files are open in the Analyst software Explore mode might slow system performance

If different data files are open in Explore mode, if each of the data files has File Info open, and if the user clicks **Show Next Sample**, **Show Previous Sample**, or **Go To Sample** to move to a different sample for one of the datafile windows, then the system performance might be slow when the File Info pane is updated. (AN-2843)

Deactivating a hardware profile that includes the ExionLC 2.0 system might intermittently fail

Intermittently, when a user tries to deactivate a hardware profile that includes the ExionLC 2.0 system, the following error messages are shown: `The remote procedure call failed` or `The RPC server is unavailable`. To resolve this issue, close and then open the Analyst software. (AN-2766)

Analyst 1.7.3 Patch for Shimadzu LC30 & LC40 Plate Layout (AN-2771)

This patch is included in Hotfix 1. The patch enables support for a new plate layout for the Shimadzu SIL-30ACMP and Shimadzu SIL-30AC autosamplers configured through the Integrated System Shimadzu LC Controller or the Integrated System Shimadzu LC-20/30 Controller, and for supported Shimadzu LC-40 autosamplers (AN-2223, AN-2758).

- 96 deep well plate layout with alphanumeric numbering starting from the bottom left of the plate. The following Rack Codes are available in the Batch Editor:

  - Shimadzu SIL-30ACMP and SIL-30AC: Alpha Deep Well MTP 96

  - Shimadzu LC-40 autosamplers: Alpha DWP 96

The following are applicable when the new plate is selected for the Shimadzu SIL-30ACMP and Shimadzu SIL-30AC autosamplers, or for a supported Shimadzu LC-40 autosampler:

- The locations in the Batch Editor are assigned numeric values, arranged horizontally.

- The Batch Editor supports the "fill down" feature.

- The Batch Editor can export to txt and csv files.

- The Batch Editor can import from txt and csv files.

Notes on Use

Network acquisition: Special Acquisition Administrator Account

If the **Special Acquisition Administrator Account** option is not used for network acquisition, then the user logged on to the Analyst software must have **Delete** rights assigned to the `WIFF_CACHE_BACKUP` folder in the `D:\Analyst Data` folder. If the **Special Acquisition Administrator Account** option is selected for network acquisition, then the user logged on to the Analyst software does not need access rights to the `WIFF_CACHE_BACKUP` folder in `D:\Analyst Data` folder. However, the **Special Acquisition Administrator Account** must have, at a minimum, **Modify** rights with **Delete** rights included for the `WIFF_CACHE_BACKUP` folder. For more information about the **Modify** permission, refer to the following figure.

Figure 1 Advanced Permissions
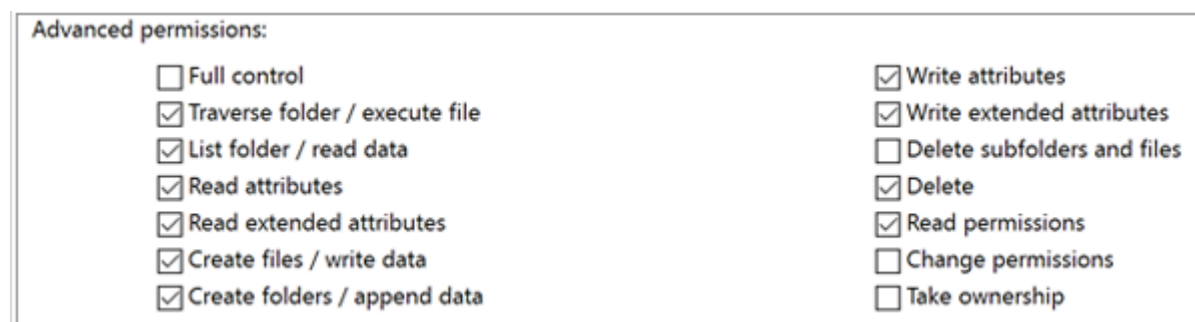
For more information about the **Special Acquisition Administrator Account**, refer to the Analyst 1.7.3 software document: *Laboratory Director Guide*.

The ExionLC 2.0 software driver is not reverted to the version installed by the Analyst 1.7.3 software after the Analyst 1.7.3 HotFix 1 is removed

When the Analyst 1.7.3 HotFix 1 is removed, the ExionLC 2.0 software driver version 1.0.0.91 stays. The driver is not reverted to version 1.0.0.83, which was installed with the Analyst 1.7.3 software. If the ExionLC 2.0 system is to be used with the Analyst 1.7.3 software, then remove Analyst 1.7.3 software first, and then install the Analyst 1.7.3 software. (AN-2910)

Acquisition methods containing four pumps and created in a version earlier than the Analyst 1.7 with HotFix 3 cannot be opened in newer versions of the Analyst software

If an acquisition method uses four pumps and is created in a version earlier than the Analyst 1.7 with HotFix 3, then this method cannot be opened in Analyst 1.7 software with HotFix 3 or in newer versions of the Analyst software. The method must be created again using the new hardware profile created in the Analyst 1.7 software with HotFix 3 or a later Analyst software version. (AN-2818).

If pressure traces from Agilent or ADD are enabled, then they are shown under Show Auxiliary Traces

In version 1.7.3 of the Analyst software, the pressure traces from Agilent or ADD, if enabled, are shown under **Explore** > **Show** > **Show Auxiliary Traces**.

Acquire each sample to a different data file if an ExionLC PDA or a Shimadzu PDA is used

We recommend that each sample be acquired to a separate data file if an ExionLC PDA or a Shimadzu PDA is used. Doing so can prevent intermittent batch stoppages caused when large amounts of data are written to a single file. (AN-1823, AN-2920, AN-2901)

The expected RT is not automatically updated when integration parameters are changed during quantitation peak review in the Analyst software

From the Analyst software version 1.7 and later, the expected RT is not automatically updated when integration parameters are changed during quantitation peak review in the Analyst software. The expected RT entered or selected by the user is kept. (AN-861, AN-869)

Where to Get Help

- *Analyst 1.7.3 Software Release Notes*
- *Analyst 1.7.3 Software Installation Guide*

Known Issues and Limitations

- N/A

Analyst 1.7.3 HotFix 1 Installation

Use this procedure if the Analyst 1.7.3 software is installed and a deployment tool is not used to install the HotFix.

Install the HotFix

Prerequisites
• The Analyst 1.7.3 software is installed.

1. Log on to the computer as a user with Administrator privileges.
2. Stop any acquisitions that are in progress and then deactivate the hardware profile.
3. Close the Analyst software.
4. Download **Analyst 1.7.3 HotFix 1** from sciex.com/software-support/software-downloads.

> **Tip!** To prevent potential installation issues, save the file to a location other than the computer desktop and then disconnect any external USB storage devices before starting the installation.

5. After the download is complete, right-click the `Analyst1.7.3HF1.zip` file.

6. Click **Extract All**, browse to and select the destination folder, and then click **Extract**.

7. After the extraction is complete, browse to the extracted folder, and then double-click the `setup.exe` file.

8. Follow the on-screen instructions to complete the installation.

9. Open the Analyst software and then activate the hardware profile. Refer to the documentation for the Analyst software.

Analyst 1.7.3 HotFix 1 Installation Using a Deployment Tool

Use this procedure if the Analyst 1.7.3 software is installed and a deployment tool is used to install the HotFix.

Install the HotFix Using a Deployment Tool

Prerequisites
• The Analyst 1.7.3 software is installed.

The Analyst 1.7.3 HotFix 1 can be installed with a deployment tool, such as Microsoft Endpoint Configuration Manager (MECM), using either a Windows administrator account or a non-administrator SYSTEM account.

1. Create the `AnalystTemp` folder on the `C:\` drive using the deployment tool.

   The software installation log file will be saved in this folder.

2. Use the deployment tool to install the software by running the following silent install command from the installation files location:

   ```
   setup.exe /s /v/qn /v"/l* "c:\AnalystTemp\analyst173HF1.txt"" /v/
   norestart
   ```

3. Before opening the Analyst software, restart the computers on which the Analyst software was installed.

Systems using the AAC Security Database: Fresh Installation of the Analyst 1.7.3 Software Using a Deployment Tool

Use this procedure to install the Analyst 1.7.3 software if the Analyst software will use the AAC security database.

Install the Analyst 1.7.3 Software Using a Deployment Tool

Note: This installation option was not supported in the Analyst1.7.3 software release.

Use this procedure to install the Analyst 1.7.3 software if the Analyst software will use the AAC security database.

The Analyst software can be installed with a deployment tool, such as Microsoft Endpoint Configuration Manager (MECM), using either a Windows administrator account or a non-administrator SYSTEM account.

If the SYSTEM account is used, then the users on the workstations where the Analyst software will be installed do not need to have administrator rights in Windows.

This procedure applies to new installations that use the Analyst Administrator Console (AAC) security database.

1. Create the `AnalystTemp` folder on the `C:\` drive using the deployment tool.

   The software installation log file will be saved in this folder.

2. (Omit this step if only the AAC security database will be used to log on to the Analyst software workstations, and if users will never switch between the local security database and the AAC security database when logging on to the Analyst software workstations.) If the SYSTEM account is being used, then create the **SDBInfo** registry key and deploy it using the deployment tool.

   Note: The **SDBInfo** registry key is not required if a Windows administrator account is used to deploy the software.

   All **Value Name** entries must use the **String Value** type. At least one of **User** or **Group** must be specified. Refer to the table: Table 1. For an example **SBDInfo** registry key, refer to the following figure.

   Figure 2 Example SBDInfo Registry Key

   ```
   [HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\SciexSccm\Analyst\SDBinfo
   ]
   "UseMixedMode"="Yes"
   ```

```
"Domain"="DomainName"
"UserName"="First.Last"
"UserType"="Administrator"
"GroupName"="SharedAccounts"
"GroupType"="Operator"
```

Table 1 SBDInfo String Value Requirements

String Value		Comment
Value Name	**Value Data (Example)**	
UseMixedMode	Yes	**Yes**: Mixed Mode will be used in the Analyst software **No**: Integrated Mode will be used in the Analyst software **Note:** This Value String is optional. If not present, then Integrated Mode will be used in the Analyst software.
Domain	DomainName	The name of the domain that the user name and group name are on. This Value String is mandatory.
UserName	FirstName.LastName	The name of the domain user who will log on to Windows on the computers where the Analyst software will be installed.
UserType	Administrator	The Role type for the user in the Analyst software security configuration. The default roles include Administrator, Analyst, Operator, End User, QA Reviewer, and Supervisor.
GroupName	ShareAccounts	Group name on the defined domain.

Table 1 SBDInfo String Value Requirements (continued)

String Value		Comment
Value Name	**Value Data (Example)**	
GroupType	Operator	The Role type for the group in the Analyst software security configuration. The default roles include Administrator, Analyst, Operator, End User, QA Reviewer, and Supervisor.

3. Use the deployment tool to install the software by running the following silent install command from the installation files location:

```
setup.exe /s /v/qn /v"/l* "c:\AnalystTemp\analyst.txt"" /v/norestart
```

4. Use the software deployment tool to install the Analyst 1.7.3 HotFix 1. Refer to the section: Install the HotFix Using a Deployment Tool.

5. Create the **AnalystAdminConsole** registry key and then deploy it using the deployment tool.

   All **Value Name** entries must use the **String Value** type. Refer to the table: Table 2. For an example **AnalystAdminConsole** registry key, refer to the following figure.

Figure 3 Example AnalystAdminConsole Registry Key

```
[HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\PE
Sciex\Analyst\AnalystAdminConsole]
"Default Workgroup"="WorkgroupName"
"Server"="ServerName"
"Use Project Security"="Yes"
"Use Security Server"="Yes"
```

Table 2 AnalystAdminConsole String Value Requirments

Value Name	Value Data (Example)
Default Workgroup	WorkgroupName
Server	ServerName
Use Project Security	Yes
Use Security Server	Yes

6. To connect to the AAC server 3.0, log on to the AAC 3.1 client as an AAC administrator from any workstation where Analyst 1.7.3 HotFix 1 has been installed.

    Note: Before the AAC server 3.1 is available, the AAC administrator cannot add a workstation directly from the AAC server 3.0 computer.

7. Add the Analyst software workstations to the workstation pool for all the workstations where the Analyst 1.7.3 software has been freshly installed and the AAC security database is to be used.

8. Add the workstations to the **Workgroup** defined for the **Default Workgroup** in the **AnalystAdminConsole** registry key in step 5.

9. Before opening the Analyst software, restart the computers on which the Analyst software was installed.

Remove the HotFix

1. Deactivate the hardware profile and then close the Analyst software.

2. Open the **Programs and Features** control panel.

3. Select **Analyst 1.7.3 HotFix 1** from the list and then click **Uninstall**.
    The HotFix is removed from the program list. After the HotFix is removed, the software is reverted to the Analyst 1.7.3 software. However, the ExionLC 2.0 software driver is not reverted to the previous version.

Updated Files

The Analyst 1.7.3 HotFix 1 makes the following changes to the `Analyst` folder.

Note: On 64-bit systems, this folder is in the `C:\Program Files (x86)\` folder.

`Analyst\Bin` (All files, excluding one, are updated)

- `AdminConsole.dll`

- `Analyst.exe`

- `AnalystLauncher.exe`

- `AutosamplerDB.adb`

- `AutosamplerDB_SIL40_SIL30AC_SIL30ACM_AlphaDWP96.adb` **(added)**

- `AutosamplerDBServer.adb`

- `BatchDir.dll`

- `CSISShimLC40.dll`

- `DDISExion2LC.dll`

- `DDISSSciexLC.dll`

- `DDISShimadzu.dll`

- `ExploreDir.dll`

- `LCPumpMethodSvr.dll`

- `QuantFullMethodEditor.ocx`

- `QuantIntegration.dll`

- `QuantMethod.dll`

- `QuantRT.ocx`

- `QuantWizard.dll`

- `SecurityConfigDir.dll`

- `StatusSvr.dll`

`Analyst\BinEx` **(All files are updated)**

- `MimicInstrumentHost.exe`

- `ShimadzuLCMimic.Interop.Common.dll`

- `ShimadzuLCMimic.Interop.Defines.dll`

- `ShimadzuLCMimic.Interop.Interfaces.dll`

- `ShimadzuLCMimic.Interop.LCMimic2Defines.dll`

- `ShimadzuLCMimic.Interop.ShimLCConfig.dll`

- `ShimadzuLCMimic.Interop.ShimLCControler.dll`

- `ShimadzuLCMimic.Interop.ShimLCCore.dll`

- `ShimadzuLCMimic.Interop.ShimLCMethod.dll`

- `ShimadzuLCMimic.Interop.ShimLCSetup.dll`

- `ShimadzuLCMimic.Interop.ShimLCStatus.dll`

- `ShimadzuLCMimic.ServerCommon.dll`

- `ShimadzuLCMimic.ServiceInterfaces.dll`

- `VDISSciexLC.exe`

`Analyst\BinEx2` (All files are updated)

- `ExionInterop.Common.dll`

- `ExionInterop.Interfaces.dll`

- `ExionInterop.LCController.dll`

- `ExionInterop.LCCore.dll`

- `ExionInterop.LCDefines.dll`

- `ExionInterop.LCSetup.dll`

- `ExionInterop.LCStatus.dll`

- `IntegratedLCSystemDriver.DriverCore.Base.dll`

- `IntegratedLCSystemDriver.DriverCore.ClientComponents.dll`

- `IntegratedLCSystemDriver.DriverCore.ServerComponents.dll`

- `LCMimicDmo.exe`

- `de-DE subfolder`

- `en-US subfolder`

`Analyst\Help` (All files are updated)

- `Administrator_Console.chm`

Contact Us

Customer Training

- In North America: NA.CustomerTraining@sciex.com

- In Europe: Europe.CustomerTraining@sciex.com

- Outside the EU and North America, visit sciex.com/education for contact information.

Online Learning Center

- SCIEX Now Learning Hub

SCIEX Support

SCIEX and its representatives maintain a staff of fully-trained service and technical specialists located throughout the world. They can answer questions about the system or any technical issues that might arise. For more information, visit the SCIEX website at sciex.com or contact us in one of the following ways:

- sciex.com/contact-us
- sciex.com/request-support

CyberSecurity

For the latest guidance on cybersecurity for SCIEX products, visit sciex.com/productsecurity.

Documentation

This version of the document supercedes all previous versions of this document.

To view this document electronically, Adobe Acrobat Reader is required. To download the latest version, go to https://get.adobe.com/reader.

To find software product documentation, refer to the release notes or software installation guide that comes with the software.

To find hardware product documentation, refer to the documentation DVD for the system or component.

The latest versions of the documentation are available on the SCIEX website, at sciex.com/customer-documents.

Note: To request a free, printed version of this document, contact sciex.com/contact-us.

AB Sciex Pte. Ltd.
Blk33, #04-06 Marsiling Industrial Estate Road 3
Woodlands Central Industrial Estate, Singapore 739256