SCIEX OS 2.1.6 Release Notes Addendum

Introduction

This addendum is a supplement to the *Release Notes* for the SCIEX OS 2.1.6 software.

Requirements

In addition to the requirements specified in the *Software Installation Guide* for SCIEX OS 2.1.6, the following is required to support the ExionLC 2.0 system:

- VC++2008 SP1 MFC Security Redistributable
  If this Redistributable is not present, then the installation program will install it. Do not remove it. If it is removed, then SCIEX OS will not function properly when an ExionLC 2.0 system is used.

Note: The files in the C:\Program Files (x86)\Common Files\SCIEX\LLDriver folder are shared by the Analyst software and SCIEX OS. The files will not be removed upon uninstallation of either program. They will be removed only after both the Analyst software and SCIEX OS are uninstalled.

New Features and Enhancements in Version 2.1.6

- SCIEX OS 2.1.6 supports the ExionLC 2.0 system.

  For detailed instructions for using the ExionLC 2.0 system, refer to the document: *ExionLC 2.0 System Software User Guide*. The document is available at sciex.com/customer-documents.

Notes on Use and Known Issues

Notes on Use

The following notes apply when SCIEX OS is used with an ExionLC 2.0 system:

- If solvent levels monitoring is used, then make sure that the current volume is correct and that the proper warning level and shutdown level are set in the Device Control or Device Details dialog before each batch acquisition. If the current volume must be updated during sample acquisition because the mobile phase is being topped up, then update it in the Device Details dialog, in the Solvent Levels panel for the pump.
- When loading the sample trays, make sure to follow the plate layout in the software, or refer to the *Hardware User Guide*.
- A Diode Array Detector (DAD or DAD-HS) cannot be used for data acquisition at the same time as a Multiwavelength detector (MWD). Do not configure the LC system with both a DAD and an MWD.
- A sampling rate of only 10 Hz or lower is supported for the ExionLC 2.0 DAD (DAD or DAD-HS), and MWD. An LC method with a sampling rate greater than 10 Hz is not saved.
- When creating an LC method for a system with a DAD, make sure that the wavelength for 2D data channels and for the wavelength program are within the wavelength range defined for 3D data mode, even if the 3D data mode is not selected.
- If a batch contains an LC method with the pretreatment option set to **Use first destination vial**, then before the batch is run again or the same LC method is used in another batch, the first destination vial position must be reset. It is automatically reset when the system state changes to Standby and when the hardware profile is deactivated and activated. The user can also reset the first destination vial position in the following ways:

  - Click **Reset vials** () in the Autosampler pane of the LC Integrated System Detailed Status window. Then select **Reset destination vials**.
  - Submit a batch containing a single sample that uses a different first destination vial position.

  If **Use first destination vial** (FDV) is selected for pretreatment, then make sure that the last destination vial position (LDV) is valid for the rack type selected and the number of samples (n) to be included in the batch. Otherwise, batch acquisition will stop on the sample with an invalid destination vial number. The destination vial position is always equal to the destination vial position of the preceding sample, plus 1.

  For samples 1, 2, 3, and 4, respectively, the destination vial positions will be FDV, FDV+1, FDV+2, and FDV+3. If the number of samples to be included in the batch is 30, with vial positions 11 to 40, and FDV is 51 on a 2 × 48 vial rack, then the LDV = FDV + n – 1 = 51 + 30 – 1 = 80.

  Note: Make sure that a vial is present in every projected destination vial position.

ExionLC 2.0 System Issues

Issue	Notes
The **Rack Type** is not updated in the Plate Layout dialog if the user changes the **Rack Type** in the Batch workspace when the Plate Layout dialog is open. (ONYX-8760)	If the user changes the **Rack Type** in the batch grid while the Plate Layout dialog is open in the Batch workspace, then the visual representation of the vial layout in the Plate Layout dialog is updated, but the **Rack Type** field is not updated. However, all of the information in the batch, including **Rack Type** and **Vial Position**, is correct. To avoid this issue, change the **Rack Type** in the Plate Layout dialog or close the Plate Layout dialog before changing the **Rack Type** in the batch grid.
Multiple instances of the Device Details dialog can be open at the same time. (ONYX-9049)	If the Device Details dialog is open when the user changes the device configuration, then the Device Details dialog for the older configuration stays open, even after another instance of the Device Details dialog is opened for the new configuration. This issue does not affect usability. However, to avoid confusion, make sure to close any open Device Details dialogs before changing the device configuration.
The Solvent Levels panel is not updated immediately when changes are made. (ONYX-9093)	After changing a parameter in the solvent levels panel, wait 5 seconds for the status to be updated, before making additional changes.

Supported Device Models and Firmware Versions (ROM) for the ExionLC 2.0 System

SCIEX OS 2.1.6 supports all of the devices listed in the following table. For information about configuring the devices, refer to the *Devices Setup Guide*.

Table 5-1 Firmware Versions

Device	Model	Tested Firmware	Communication Cable Required
LPG Pump	LPGP-200	1.07	Ethernet
Binary Pump	BP-200	1.07	Ethernet
Binary Pump+	BP-200+	1.01	Ethernet

Table 5-1 Firmware Versions (continued)

Device	Model	Tested Firmware	Communication Cable Required
Autosampler	AS-200	1.22	Ethernet
Autosampler+	AS-200+	1.22	Ethernet
Column Switching (Valve drive)	DR-200	6.20	Ethernet
Column Oven	CO-200	2.02	Ethernet
Multiwavelength Detector	MWD-200	1.11	Ethernet
Diode Array Detector	DAD-200	1.11	Ethernet
Diode Array Detector - HS	DADHS-200	1.24	Ethernet
Wash System	WS-200	1.14	Ethernet

In most cases, more recent firmware versions from the device manufacturer will function with SCIEX OS 2.1.6. If an issue occurs, then use the device firmware listed in this table. For information about verifying and updating firmware, refer to the documentation provided by SCIEX.

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