

OpenLAB/ ChemStation – Agilent

Compatible with LC, GC, CE, CE/MS, and LC/MS instruments systems

INTRODUCTION

The Lumetics LINK™ software platform scans network locations for new measurement data files, copies data directly to a centralized database, and provides a powerful user interface for rapid multi-measurement multi-technique data aggregation, visualization, analysis, and reporting. LINK employs a client/server-based architecture where the LINK server hardware is provided by the end user and resides on the end user's network. The LINK client is a portable web-based application that may be placed on any computer with network connectivity to the LINK server. For successful import, the LINK webserver requires read access to the folders where user data resides.

OpenLAB/ChemStation is a software compatible with Agilent LC, GC, CE, CE/MS, and LC/MS instruments systems. Method Scouting Wizard creates a sample sequence containing all possible combinations of available columns, solvents, a set of predefined gradients and a set of predefined temperatures.

DETAILS

LINK requires the TXT data file. A CSV export of the chromatogram data is optional. If a PDF instrument report is present, it needs to have the exact same name as the TXT report and it will be imported to LINK and be available as a Measurement Series Attachment.

The following raw curve data may be imported, in addition to all available instrument/analysis settings and parameters calculated by the instrument software:

- Absorbance (AU) vs. Time (min)

Notes:

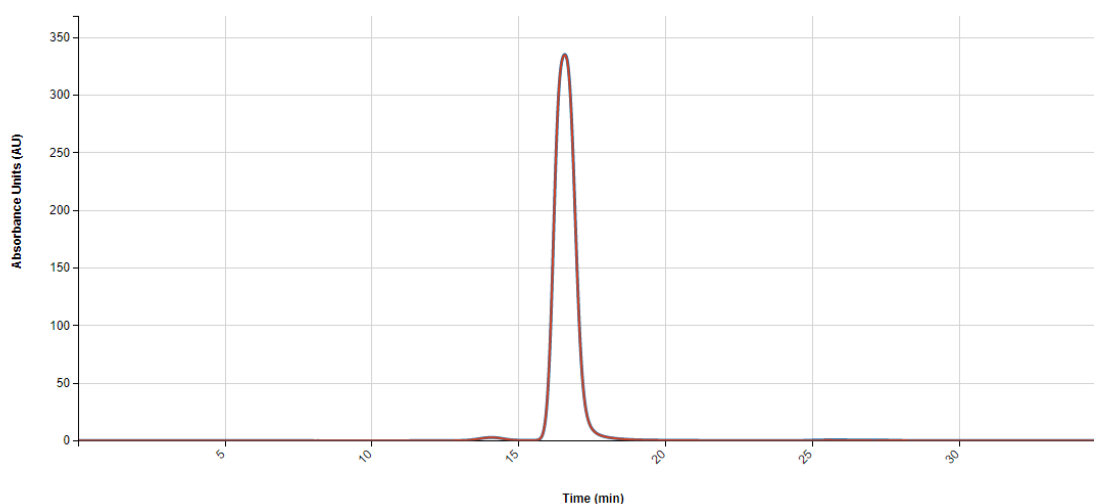
- The raw data chromatogram(s) must be exported from the OpenLAB/Chemstation software and saved as a .CSV format in the same folder as the TXT report inclusive of this measurement.
- The CSV file(s) *must* be named the same as the signal name (e.g. ***dad1a.csv***, case-insensitive).
- If the TXT report file contains a signal table with no peaks found, this signal/measurement will not be imported at all.
- The Hash Key requirements include: SampleName, Single/Channel, AnalysisDate

EXAMPLES

Included below is a sample dashboard from OpenLAB/ChemStation measurement files:

1. Line Chart plotting raw data curves for Absorbance vs. Time

Absorbance vs. Retention Time



2. Tabular Summary examples

Measurement Summary Table – Measurement Results

LINK Record ID #	Peak Count - AVG	Absorbance (AU) (Retention Time (min) >=1) - AVG	Absorbance (AU) (Time (min) <1) - AVG	Peak 1 Area (%) - AVG	Max Peak Width (min) - AVG	Max Peak Type	Max Peak RetTime (min) - AVG	Max Peak Height (mAU) - AVG	Max Peak Area (%) - AVG
1	1	0.00	0.00	100.00	0.75	BBA	16.43	302.26	100.00
2	4	0.00	0.00	0.98	0.76	BB	16.41	1734.26	98.88
3	1	0.00	0.00	100.00	0.79	BB	16.43	109.91	100.00
4	1	0.00	0.00	100.00	0.75	BBA	16.44	312.56	100.00
5	3	0.00	0.00	1.21	0.76	VB	16.42	1795.91	98.56
6	1	0.00	0.00	100.00	0.79	BB	16.44	113.81	100.00
7	1	0.00	0.00	100.00	0.75	BBA	16.43	340.56	100.00
8	3	0.00	0.00	0.94	0.76	BB	16.41	1946.15	99.02
9	1	0.00	0.00	100.00	0.78	BB	16.43	123.82	100.00
10	1	0.00	0.00	100.00	0.75	BBA	16.43	308.46	100.00

Measurement Summary Table – Instrument Settings

LINK Record ID #	File Name	Signal	Location	Seq. Line - AVG	Injection Date	Inj Volume	4 Ref - AVG
1	Report.TXT	DAD1 G	D2B-A1	59	11/8/2017 10:04:05 PM	5.000 µl	360
2	Report.TXT	LNG1 G	D2B-A1	59	11/8/2017 10:04:05 PM	5.000 µl	360
3	Report.TXT	SHT1 G	D2B-A1	59	11/8/2017 10:04:05 PM	5.000 µl	360
4	Report.TXT	DAD1 G	D2B-A2	60	11/8/2017 10:39:50 PM	5.000 µl	360
5	Report.TXT	LNG1 G	D2B-A2	60	11/8/2017 10:39:50 PM	5.000 µl	360
6	Report.TXT	SHT1 G	D2B-A2	60	11/8/2017 10:39:50 PM	5.000 µl	360
7	Report.TXT	DAD1 G	D2B-A3	61	11/8/2017 11:15:34 PM	5.000 µl	360
8	Report.TXT	LNG1 G	D2B-A3	61	11/8/2017 11:15:34 PM	5.000 µl	360
9	Report.TXT	SHT1 G	D2B-A3	61	11/8/2017 11:15:34 PM	5.000 µl	360
10	Report.TXT	DAD1 G	D2B-A4	62	11/8/2017 11:51:19 PM	5.000 µl	360

DASHBOARD DOWNLOAD

Included below is a link to downloadable dashboards for OpenLAB/ChemStation measurement files:
<http://lumetics.com/dashboards/ChemStation/ChemStation.zip>

CONTACT LUMETICS

For direct assistance, please contact Lumetics LINK™ Support:

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