

UV-Vis Spectrophotometer – Shimadzu

UV-1900, UV-1900i, UV-1800

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.

The UV-1900i provides the perfect balance of performance and usability, with high resolution, low stray light, an ultra-fast scan function, and an easy-to-use interface. Measurement modes include photometric, spectrum, quantitation, kinetics, time course and bio-methods.

DETAILS

LINK requires the TXT data file to import Shimadzu UV-VIS results. Required data files may need to be exported from the Shimadzu UV-VIS software.

The Shimadzu TXT data file example is as follows:

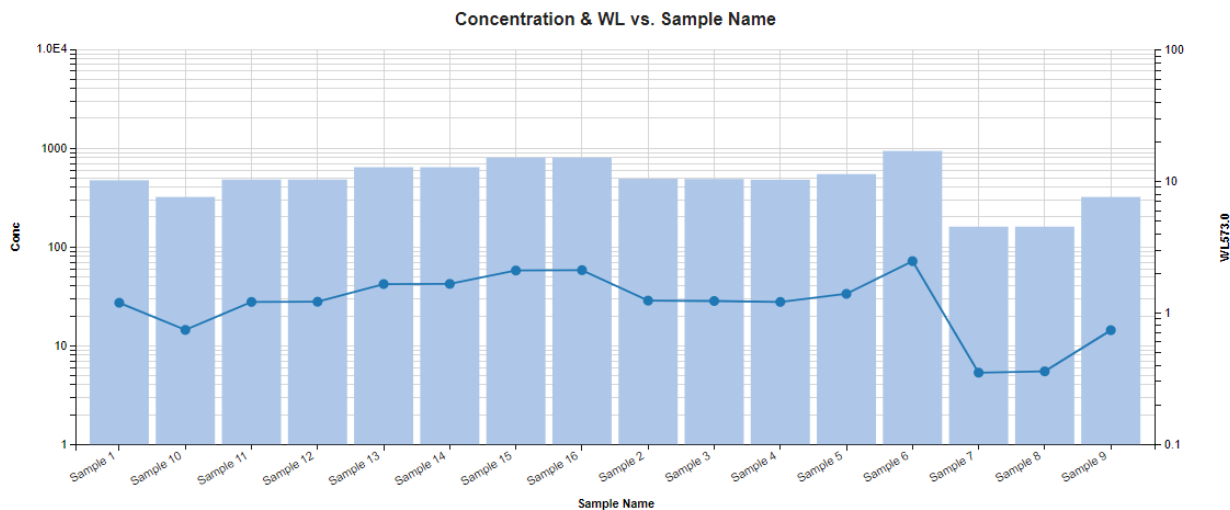
```

1 "Sample ID","Type","Date","Time","Conc","WL573.0","Comments"
2 "Sample_Bl_1","Unknown","08/30/2018","01:47:03 PM",484.001,1.226,""
3 "Sample_Bl_2","Unknown","08/30/2018","01:47:19 PM",485.629,1.230,""
4 "Sample_Bl_3","Unknown","08/30/2018","01:47:33 PM",487.573,1.236,""
5 "Sample_Bl_4","Unknown","08/30/2018","01:47:49 PM",491.347,1.246,""
6 "Sample_Bl_5","Unknown","08/30/2018","01:48:04 PM",488.666,1.239,""
7 "Sample_Bl_6","Unknown","08/30/2018","01:48:18 PM",487.569,1.236,""
8 "Sample_Bl_7","Unknown","08/30/2018","01:48:32 PM",487.104,1.234,""
    
```

EXAMPLES

Included below is a sample dashboard from Shimadzu UV-Vis measurement files:

1. Column Chart plotting measurement results for Concentration & WL 573 vs. Sample Name



2. Tabular Summary examples

Measurement Summary Table – Measurement Results

LINK Record ID #	InstrumentName	Sample Name	WL573.0 - AVG	Wgt.Factor - AVG	Volume Analyzed (ml) - AVG	Conc - AVG
1	Shimadzu UV-VIS	Sample 1	1.23	1	5	484.00
31	Shimadzu UV-VIS	Sample 1	1.16	1	5	460.61
52	Shimadzu UV-VIS	Sample 2	1.24	1	5	488.69
53	Shimadzu UV-VIS	Sample 3	1.23	1	3	486.05
61	Shimadzu UV-VIS	Sample 4	1.20	1	3	474.60
62	Shimadzu UV-VIS	Sample 4	1.22	1	3	482.50
63	Shimadzu UV-VIS	Sample 5	1.40	1	3	545.31
64	Shimadzu UV-VIS	Sample 6	2.47	1	5	935.93
65	Shimadzu UV-VIS	Sample 7	0.35	1	5	160.00
66	Shimadzu UV-VIS	Sample 9	0.74	1	3	320.00
67	Shimadzu UV-VIS	Sample 11	1.21	1	3	480.00
68	Shimadzu UV-VIS	Sample 13	1.66	1	3	640.00
69	Shimadzu UV-VIS	Sample 15	2.10	1	2	800.00
70	Shimadzu UV-VIS	Sample 8	0.36	1	2	160.00
71	Shimadzu UV-VIS	Sample 10	0.74	1	2	320.00
72	Shimadzu UV-VIS	Sample 12	1.22	1	2	480.00
73	Shimadzu UV-VIS	Sample 14	1.66	1	2	640.00
74	Shimadzu UV-VIS	Sample 16	2.11	1	2	800.00

Measurement Summary Table – Instrument Settings

LINK Record ID #	Sample Name	InstrumentName	File Name	Analysis Date	Type	Time	Sample ID
74	Sample 16	Shimadzu UV-VIS	for lumetics standard.txt	2018-08-30 15:00:01	Standard	03:00:01 PM	STD800_2
69	Sample 15	Shimadzu UV-VIS	for lumetics standard.txt	2018-08-30 13:46:18	Standard	01:46:18 PM	STD800_1
73	Sample 14	Shimadzu UV-VIS	for lumetics standard.txt	2018-08-30 14:59:48	Standard	02:59:48 PM	STD640_2
68	Sample 13	Shimadzu UV-VIS	for lumetics standard.txt	2018-08-30 13:46:01	Standard	01:46:01 PM	STD640_1
72	Sample 12	Shimadzu UV-VIS	for lumetics standard.txt	2018-08-30 14:59:35	Standard	02:59:35 PM	STD480_2
67	Sample 11	Shimadzu UV-VIS	for lumetics standard.txt	2018-08-30 13:45:45	Standard	01:45:45 PM	STD480_1
71	Sample 10	Shimadzu UV-VIS	for lumetics standard.txt	2018-08-30 14:59:23	Standard	02:59:23 PM	STD320_2
66	Sample 9	Shimadzu UV-VIS	for lumetics standard.txt	2018-08-30 13:45:20	Standard	01:45:20 PM	STD320_1
70	Sample 8	Shimadzu UV-VIS	for lumetics standard.txt	2018-08-30 14:59:10	Standard	02:59:10 PM	STD160_2
65	Sample 7	Shimadzu UV-VIS	for lumetics standard.txt	2018-08-30 13:45:02	Standard	01:45:02 PM	STD160_1
61	Sample 4	Shimadzu UV-VIS	for lumetics samples.txt	2018-08-30 14:58:01	Unknown	02:58:01 PM	sievedCaPhos_500ppm
53	Sample 3	Shimadzu UV-VIS	for lumetics samples.txt	2018-08-30 14:56:18	Unknown	02:56:18 PM	CaPhos1X_B9_8
52	Sample 2	Shimadzu UV-VIS	for lumetics samples.txt	2018-08-30 14:56:03	Unknown	02:56:03 PM	CaPhos1X_B9_4
31	Sample 1	Shimadzu UV-VIS	for lumetics samples.txt	2018-08-30 14:36:43	Unknown	02:36:43 PM	CaPhos1X_B6_1
1	Sample 1	Shimadzu UV-VIS	for lumetics samples.txt	2018-08-30 13:47:03	Unknown	01:47:03 PM	CaPhos1X_B1_1
64	Sample 6	Shimadzu UV-VIS	for lumetics samples.txt	2018-08-30 14:58:48	Unknown	02:58:48 PM	B7Top
63	Sample 5	Shimadzu UV-VIS	for lumetics samples.txt	2018-08-30 14:58:33	Unknown	02:58:33 PM	B5Top
62	Sample 4	Shimadzu UV-VIS	for lumetics samples.txt	2018-08-30 14:58:19	Unknown	02:58:19 PM	B2Top

SHIMADZU DASHBOARDS

LINK contains an extensive built-in dashboard library from LINK version 2.4.0.210401 and later. This function contains specific pre-created dashboards for all instruments and application groups.

CONTACT LUMETICS

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