



TRAXStation Exporting

Critical sample data, including barcode ID, is exported to a LIMS system or ICPMS software to automatically generate a sample run list with minimal user intervention



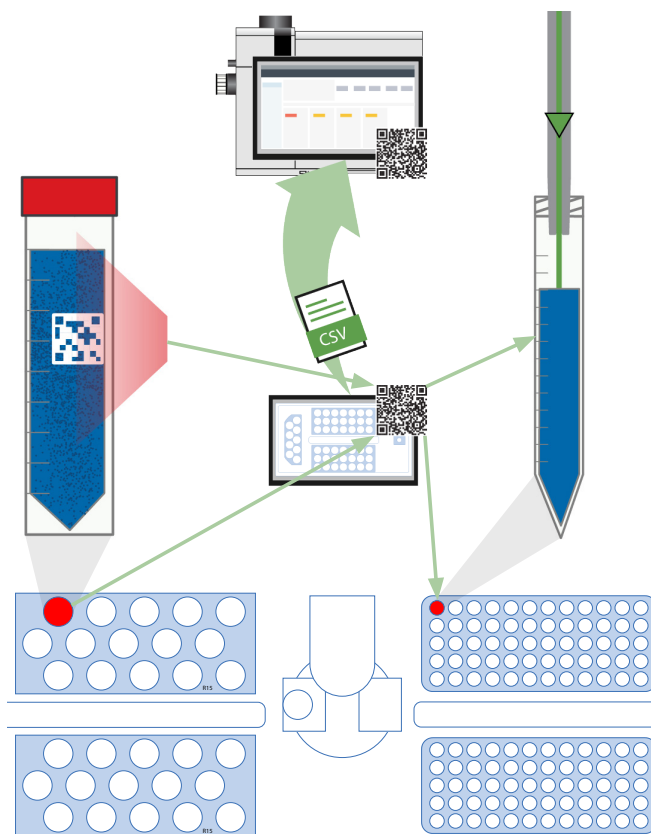
TRAXStation

Author: Scott Neihardt

Automated Data Transfer from LabStation Liquid Handling to ICP/ICPMS Analysis Using LabSymphony Software

Synopsis

LabSymphony software simplifies laboratory workflows by streamlining the transfer of sample information from LabStation automated liquid handling to online analysis systems. For each prepared sample, LabSymphony records critical sample information such as barcode ID, rack location, and sample preparation method, including dilution factors. This information is exportable to LIMS systems and all major ICP/ICPMS instruments. Upon importing the file into instrument softwares, the sample analysis run list, including original sample barcode association, is generated automatically. In this example, a sample run list is automatically generated in Agilent Masshunter.



Tracking and Exporting: Critical sample preparation information is automatically tracked in LabSymphony software and is easily exportable to LIMS systems and all major ICP/ICPMS instruments.



Automatic ICPMS Run List Generation via File Import

File Export from LabSymphony

Index	Description	Time	FAST Method Name	Source Rack	Source Vial	Dest Rack	Dest Vial	DF	Total Volume	Source Barcode
1	EPA 200.8 -1	2/24/2025 1:54:54 PM	10 mL Filtration	1	1	3	1	10	10000	72770202401124
2	EPA 200.8 -2	2/24/2025 1:59:05 PM	10 mL Filtration	1	2	3	2	10	10000	72770202401125
3	EPA 200.8 -3	2/24/2025 2:00:25 PM	10 mL Filtration	1	3	3	3	10	10000	72770202401126
4	EPA 200.8 -4	2/24/2025 2:01:45 PM	10 mL Filtration	1	4	3	4	10	10000	72770202401127
5	EPA 200.8 -5	2/24/2025 2:03:05 PM	10 mL Filtration	1	5	3	5	10	10000	72770202401128
6	EPA 200.8 -6	2/24/2025 2:04:26 PM	10 mL Filtration	1	6	3	6	10	10000	72770202401129
7	EPA 200.8 -7	2/24/2025 2:06:03 PM	10 mL Filtration	1	7	3	7	10	10000	72770202401130
8	EPA 200.8 -8	2/24/2025 2:07:25 PM	10 mL Filtration	1	8	3	8	10	10000	72770202401131
9	EPA 200.8 -9	2/24/2025 2:08:45 PM	10 mL Filtration	1	9	3	9	10	10000	72770202401132
10	EPA 200.8 -10	2/24/2025 2:10:04 PM	10 mL Filtration	1	10	3	10	10	10000	72770202401133
11	EPA 200.8 -11	2/24/2025 2:11:24 PM	10 mL Filtration	1	11	3	11	10	10000	72770202401134
12	EPA 200.8 -12	2/24/2025 2:12:47 PM	10 mL Filtration	1	12	3	12	10	10000	72770202401135
13	EPA 200.8 -13	2/24/2025 2:14:10 PM	10 mL Filtration	1	13	3	13	10	10000	72770202401136
14	EPA 200.8 -14	2/24/2025 2:15:27 PM	10 mL Filtration	1	14	3	14	10	10000	72770202401137
15	EPA 200.8 -15	2/24/2025 2:16:46 PM	10 mL Filtration	1	15	3	15	10	10000	72770202401138
16	EPA 200.8 -16	2/24/2025 2:18:11 PM	10 mL Filtration	2	1	3	16	10	10000	72770202401139
17	EPA 200.8 -17	2/24/2025 2:19:32 PM	10 mL Filtration	2	2	3	17	10	10000	72770202401140
18	EPA 200.8 -18	2/24/2025 2:20:54 PM	10 mL Filtration	2	3	3	18	10	10000	72770202401141
19	EPA 200.8 -19	2/24/2025 2:22:13 PM	10 mL Filtration	2	4	3	19	10	10000	72770202401142
20	EPA 200.8 -20	2/24/2025 2:23:36 PM	10 mL Filtration	2	5	3	20	10	10000	72770202401143

Auto-generated Run List in Agilent MassHunter

	Skip	Sample Type	Sample Name	Comment	Vial#	Replicates	Total Dil.
1	<input type="checkbox"/>	Sample	72770202401124	EPA 200.8 -1	301	3	10.0000
2	<input type="checkbox"/>	Sample	72770202401125	EPA 200.8 -2	302	3	10.0000
3	<input type="checkbox"/>	Sample	72770202401126	EPA 200.8 -3	303	3	10.0000
4	<input type="checkbox"/>	Sample	72770202401127	EPA 200.8 -4	304	3	10.0000
5	<input type="checkbox"/>	Sample	72770202401128	EPA 200.8 -5	305	3	10.0000
6	<input type="checkbox"/>	Sample	72770202401129	EPA 200.8 -6	306	3	10.0000
7	<input type="checkbox"/>	Sample	72770202401130	EPA 200.8 -7	307	3	10.0000
8	<input type="checkbox"/>	Sample	72770202401131	EPA 200.8 -8	308	3	10.0000

In this example, the original barcode from the unprepared sample was used as the sample name in MassHunter's run list, alongside dilution factors and the sample preparation procedure allowing for easy tracking in the LIMS system.



© Elemental Scientific | sales@icpms.com | www.icpms.com