Elemental Scientific

PerkinElmer Syngistix™
ICPMS Run List Generation

TRAXStation
Exporting

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

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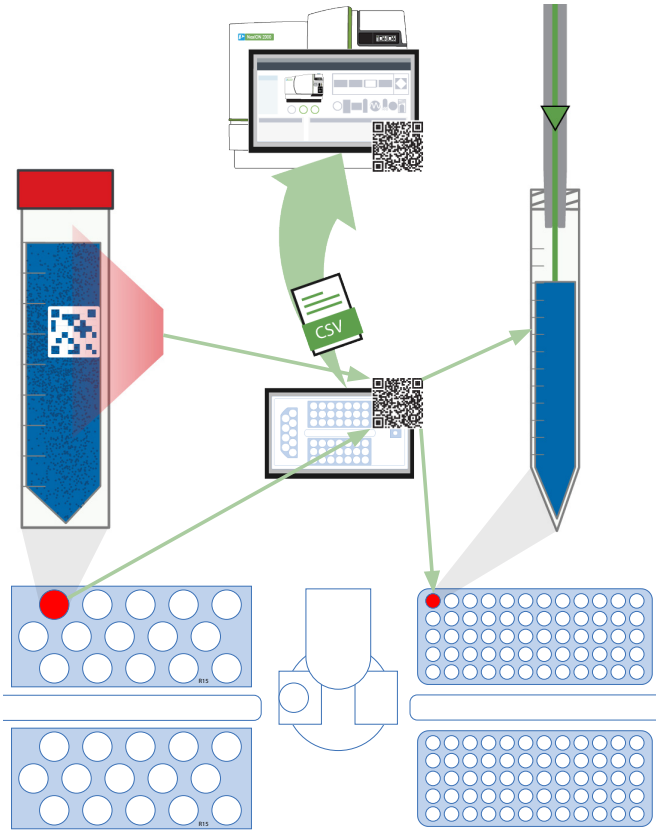
Data Transfer from TRAXStation™ Liquid Handling System to ICP/ICPMS Analysis Using LabSymphony™ Software

Synopsis

LabSymphony software simplifies laboratory workflows by streamlining the transfer of sample information from **TRAX**Station automated liquid handling to online analysis systems. For each prepared sample, LabSymphony records critical sample information such as barcode ID, rack location, and sample prepration method, including dilution factors. This information is exportable to LIMS systems and all major ICP/ICPMS instruments. To create the final run list, simply transfer the contents from the LabSymphony file, including original sample barcode association, directly into the instrument software. In this example, a sample run list is generated in PerkinElmer Syngistix.

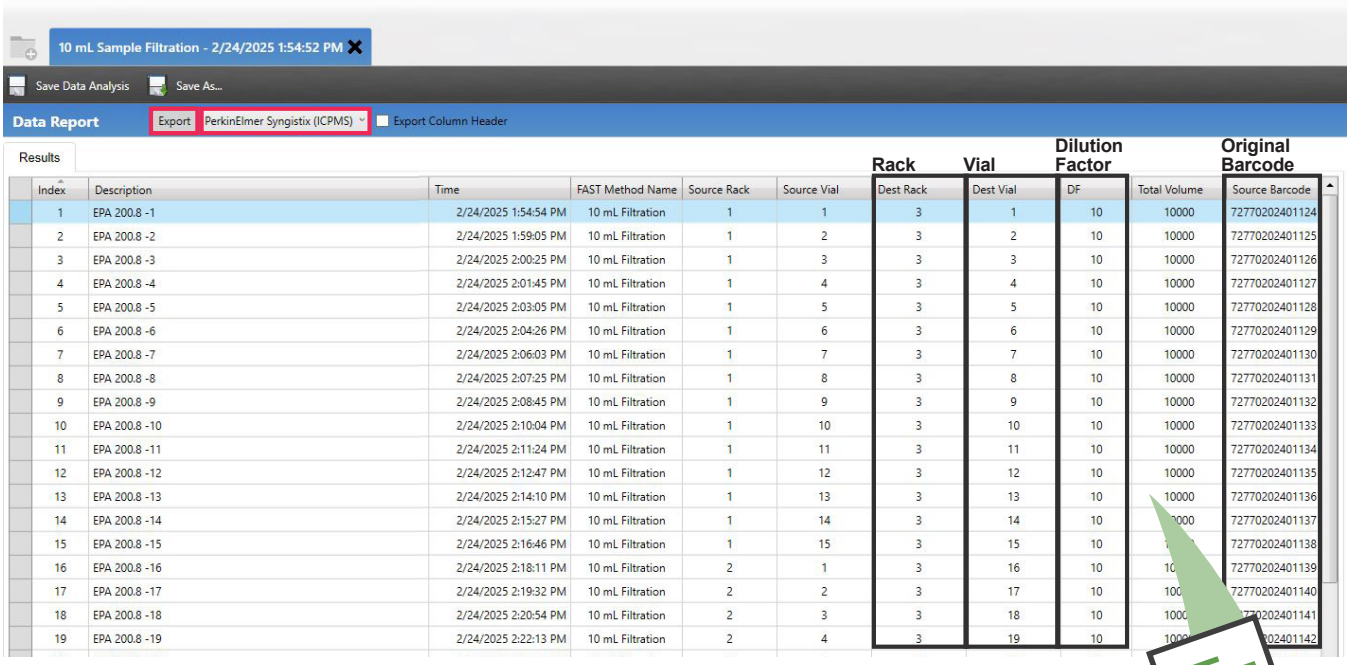


Tracking and Exporting: Critical sample preparation information is automatically tracked in LabSymphony software and is easily exportable to LIMS systems and all major ICP/ICPMS instruments.

Learn More

ICPMS Run List Generation via File Import

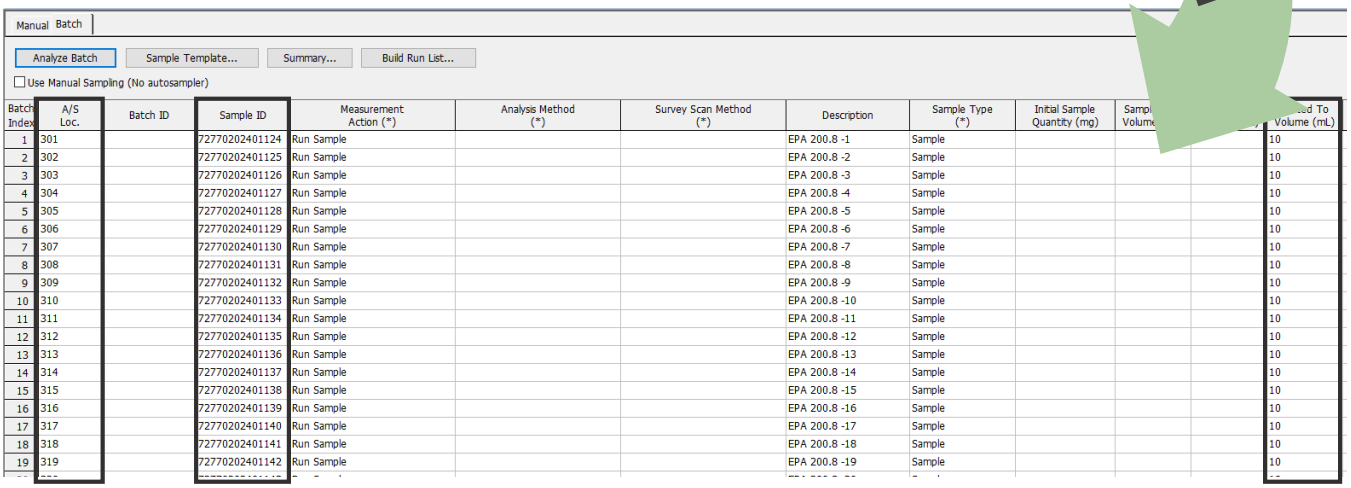
File Export from LabSymphony



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	[illegible]000	72770202401137
15	EPA 200.8 -15	2/24/2025 2:16:46 PM	10 mL Filtration	1	15	3	15	10	[illegible]	72770202401138
16	EPA 200.8 -16	2/24/2025 2:18:11 PM	10 mL Filtration	2	1	3	16	10	10[illegible]	72770202401139
17	EPA 200.8 -17	2/24/2025 2:19:32 PM	10 mL Filtration	2	2	3	17	10	100[illegible]	72770202401140
18	EPA 200.8 -18	2/24/2025 2:20:54 PM	10 mL Filtration	2	3	3	18	10	1000	[illegible]02401141
19	EPA 200.8 -19	2/24/2025 2:22:13 PM	10 mL Filtration	2	4	3	19	10	1000	[illegible]02401142

CSV

Generated Run List in PerkinElmer Syngistix



Batch Index	A/S Loc.	Batch ID	Sample ID	Measurement Action (*)	Analysis Method (*)	Survey Scan Method (*)	Description	Sample Type (*)	Initial Sample Quantity (mg)	Sample Volume	Dilution To Volume (mL)
1	301		72770202401124	Run Sample			EPA 200.8 -1	Sample			10
2	302		72770202401125	Run Sample			EPA 200.8 -2	Sample			10
3	303		72770202401126	Run Sample			EPA 200.8 -3	Sample			10
4	304		72770202401127	Run Sample			EPA 200.8 -4	Sample			10
5	305		72770202401128	Run Sample			EPA 200.8 -5	Sample			10
6	306		72770202401129	Run Sample			EPA 200.8 -6	Sample			10
7	307		72770202401130	Run Sample			EPA 200.8 -7	Sample			10
8	308		72770202401131	Run Sample			EPA 200.8 -8	Sample			10
9	309		72770202401132	Run Sample			EPA 200.8 -9	Sample			10
10	310		72770202401133	Run Sample			EPA 200.8 -10	Sample			10
11	311		72770202401134	Run Sample			EPA 200.8 -11	Sample			10
12	312		72770202401135	Run Sample			EPA 200.8 -12	Sample			10
13	313		72770202401136	Run Sample			EPA 200.8 -13	Sample			10
14	314		72770202401137	Run Sample			EPA 200.8 -14	Sample			10
15	315		72770202401138	Run Sample			EPA 200.8 -15	Sample			10
16	316		72770202401139	Run Sample			EPA 200.8 -16	Sample			10
17	317		72770202401140	Run Sample			EPA 200.8 -17	Sample			10
18	318		72770202401141	Run Sample			EPA 200.8 -18	Sample			10
19	319		72770202401142	Run Sample			EPA 200.8 -19	Sample			10

Prepared Sample Location (Rack/Vial)

Original Barcode

Dilution Factor

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