



PATsmart™ REBEL® System
Standard Networking Guide

Software V1.2

26 Nov 2025

Storage Status Icons



Internal Storage Configured

PATsmart™ REBEL® is ready to run in this mode.



Network Storage Configured

REBEL is ready to run in this mode.



Files Syncing

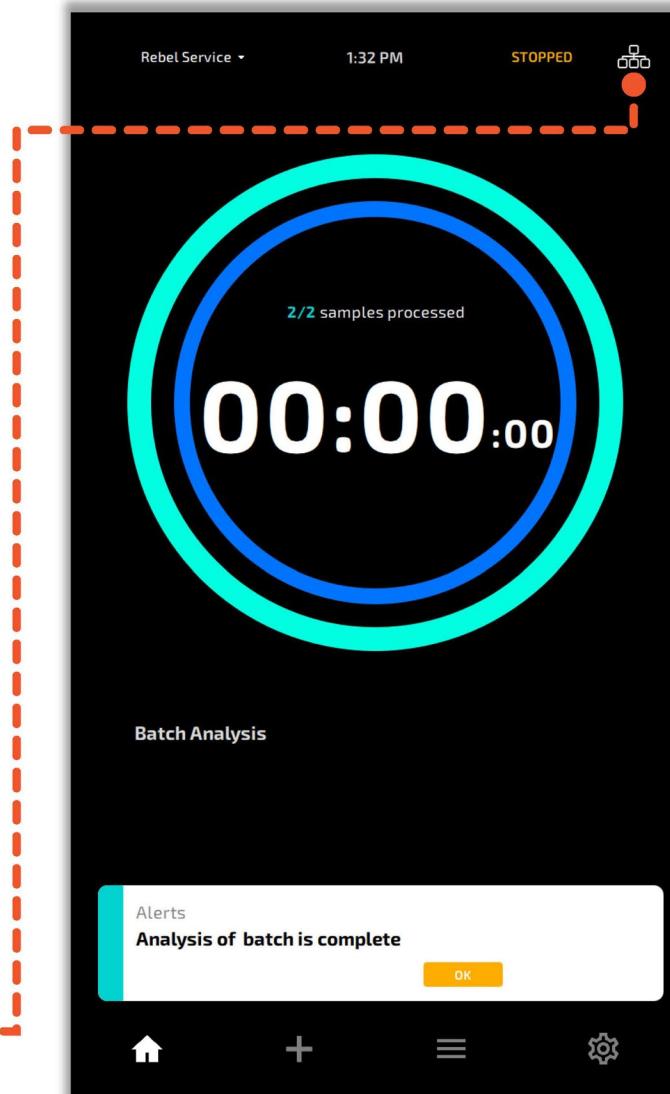
REBEL has files stored locally that are in the process of transferring to the network.



Network Locations Unreachable

REBEL is configured for network storage, but the read and/or write directories are not accessible.

If REBEL was running while the network connection was lost, output files will be stored internally and queued for export until the network connection is restored. **Please do not switch to USB mode if this icon appears as doing so can interfere with data transfer.**



Networking & Storage overview



REBEL is an embedded system running a captive application on a background Windows 10 Enterprise OS.

The system is able to run stand-alone or on a network (ethernet) connection.

No external internet connection is required.

This guide walks through network storage set up!

Network Configurations

1. None – stand alone with USB only data access
2. Static IP
3. DHCP

Storage Configurations

1. **Internal storage** – considered temporary for 21 CFR Part 11 purposes
2. **Network storage** – PREFERRED
 - Write Location: Path where data will be saved to
 - Read Location: Path where documents will be read from

Network Configs

Use DHCP

IP Address: 10.98.2.174

MAC Address: 54:B2:03:8B:D2:39

Netmask: 255.255.0.0

Gateway: 10.98.1.1

DNS Server 1: 10.98.1.107

DNS Server 2: DNS Server 2...

APPLY

Internal Storage

Storage Location Internal storage should be considered temporary for record retention purposes

Apply Storage Location Settings

Network Storage

Storage Location Network Location

Write Location (UNC): \\clifford\ChemData\Rebel\data

The Write Location will be used to automatically save a copy of reports to the specified location

Read Location (UNC): \\clifford\ChemData\Rebel\batch files

The Read Location will be used as an additional location to import data from

Export data into sub folders

Test Permissions

Apply Storage Location Settings

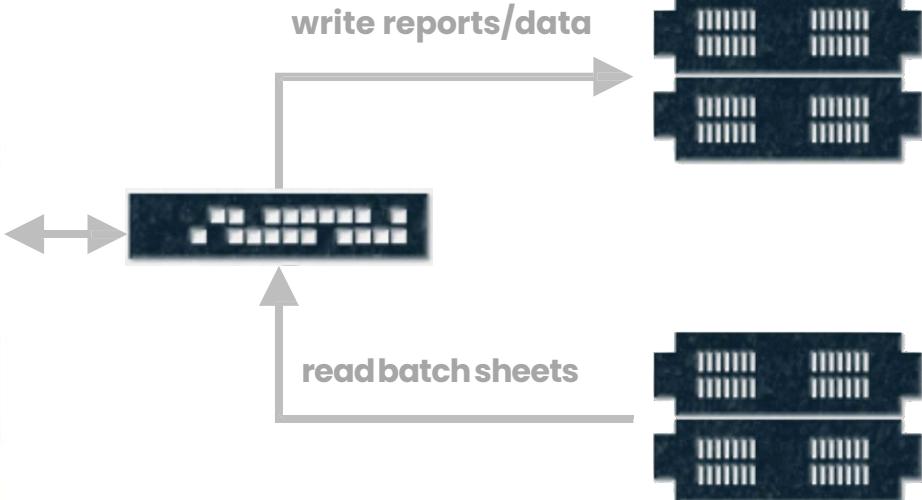
Network Configuration & File Types

REBEL



Write access:

Raw data files, CSV/PDF reports, diagnostic logs



Read access:

Batch sheets (single defined location; .csv or .xlsx),
Software updates (.exe)

Raw Data



Unprocessed analytical data
~25MB



Assay File for Repligen support of TEL files

Sample Results/Reports



Concentration of analyte and standard error



Concentration of analyte and standard error

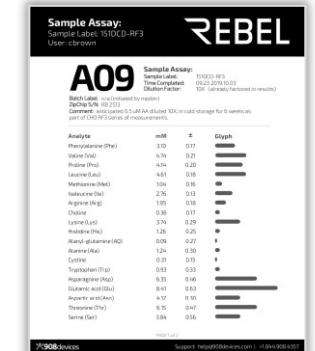
Diagnostic Log



Repligen support logs

	A	B	C	D	E
1	Sample Label: 151000-RF3				
2	Time Completed: 09.23.2019.10.03				
3	User chosen				
4	Dilution Factor: 10				
5	Batch ID: 151000-RF3 (generated by mjobgen)				
6	Rebel S/N: 131				
7	ZipChip S/N: 2513				
8	Comment: anticipated 0.5 μM AA diluted 10X, in cold storage				
9	Sample Type: 151000-RF3				
10	Phenylalanine Phe	3.30170727	0.16798296		
11	Valine Val	4.74020645	0.21489853		
12	Proline Pro	4.14209234	0.19888601		
13	Isoleucine Ile	4.68010004	0.15495798		
14	Methionine Met	0.10888883	0.15829769		
15	Isoleucine Ile	2.75970921	0.13022226		
16	Arginine Arg	1.84954067	0.17695674		
17	Alanine Ala	0.38230001	0.15937573		
18	Lysine Lys	3.71410436	0.28679451		
19	Histidine His	1.2599019	0.23827777		
20	Aspartic acid Asp	0.05000000	0.05000000		
21	Aspartic acid Asp	1.25151812	0.23277650		
22	Cysteine Cys	0.30873118	0.15497521		
23	Tryptophan Trp	0.93558189	0.32524578		
24	Threonine Thr	0.34100000	0.15494942		
25	Glutamic acid Glu	4.41139476	0.61181367		
26	Aspartic acid Asp	4.12119403	0.26660661		
27	Threonine Thr	6.13167936	0.24786521		
28	Alanine Ala	3.88100000	0.15938214		
29	Tyrosine Tyr	2.07485948	0.28471584		
30	Glycine Gly	0.90289096	0.56572635		

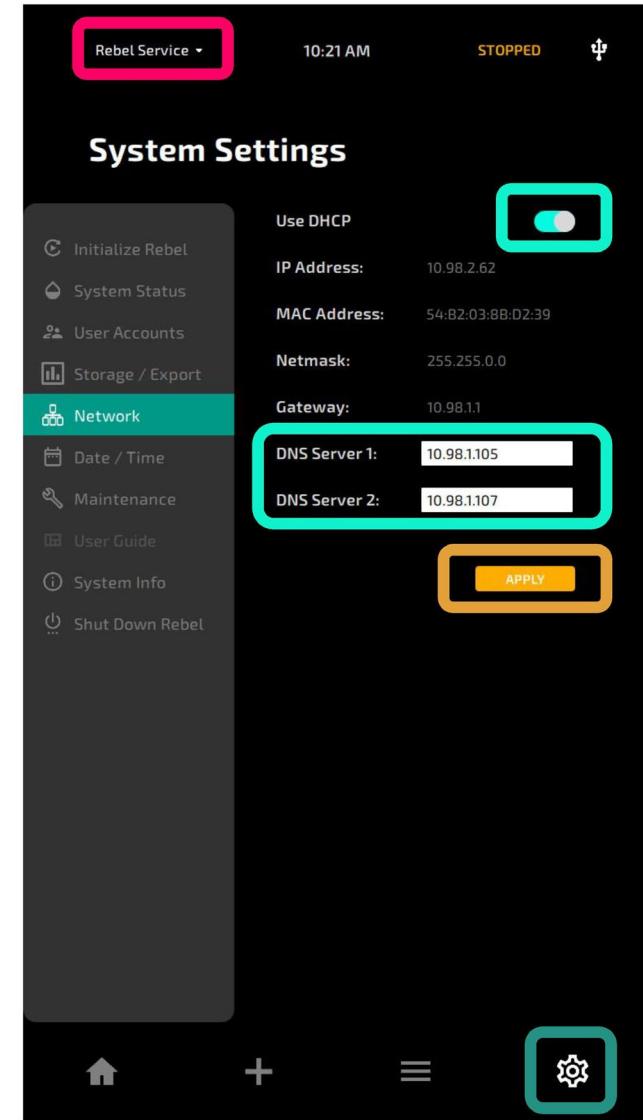
~ 0.5 kB



~ 1 MB

Network Configuration

1. **Login** with an Admin user profile
2. **Navigate** to **System Settings > Network**
3. **Configure** to use your DHP server or manually enter a static IP. Enter DNS Server Address
4. **Hit APPLY**

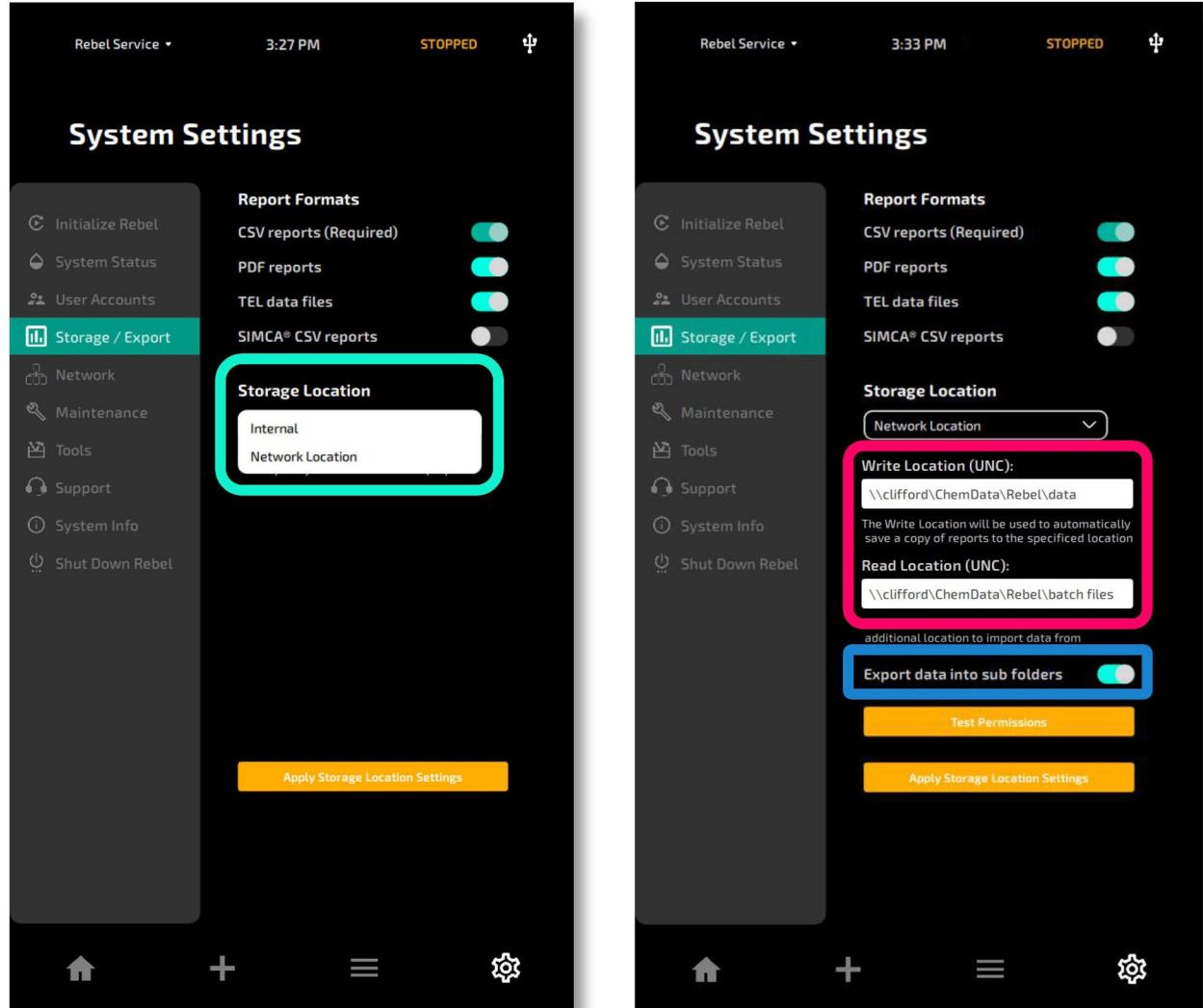


Network Configuration cont.

5. **Navigate to System Settings > Storage/Export > Storage location**
6. **Select 'Network Location' from the drop-down menu**
7. **Configure BOTH read and write locations!**

These can be the same path or unique locations. If separate, you can set different read I write permissions for folders on your server.

*We recommend having separate folders for read and write locations as well as **exporting to subfolders**.*



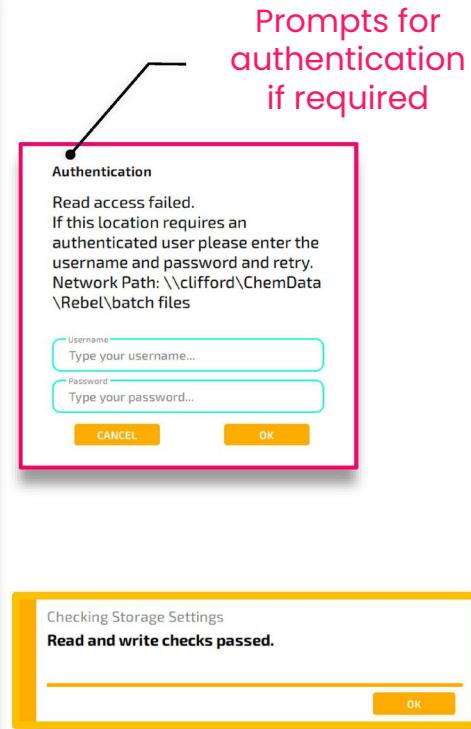
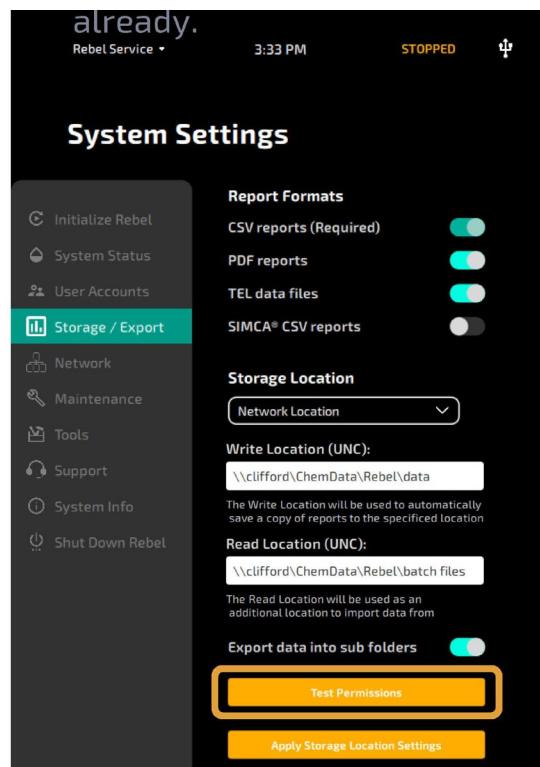
Network Configuration cont.

8. Confirm: Hit 'Test Permissions'

NOTE: Intranet settings may prohibit a ping

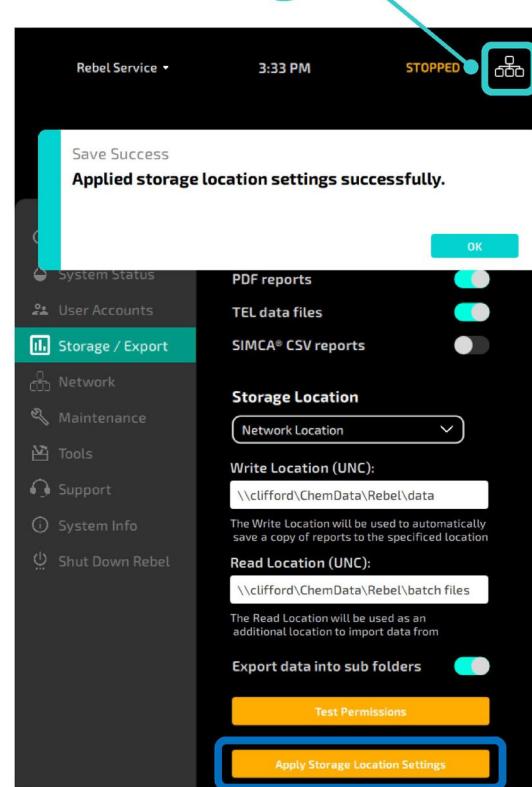
9. Credential login (if needed)

NOTE: A password may need to be created if none exists



10. Required: Click 'Apply Storage Location Settings'

11. Is network configured? REBEL is ready!

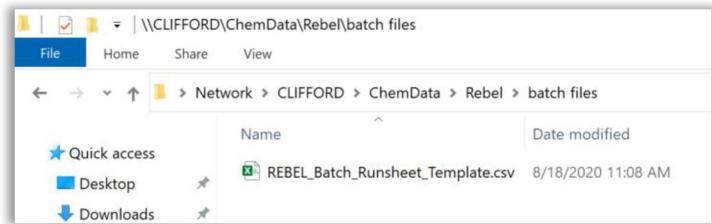


Full Validation of 'Read' Settings

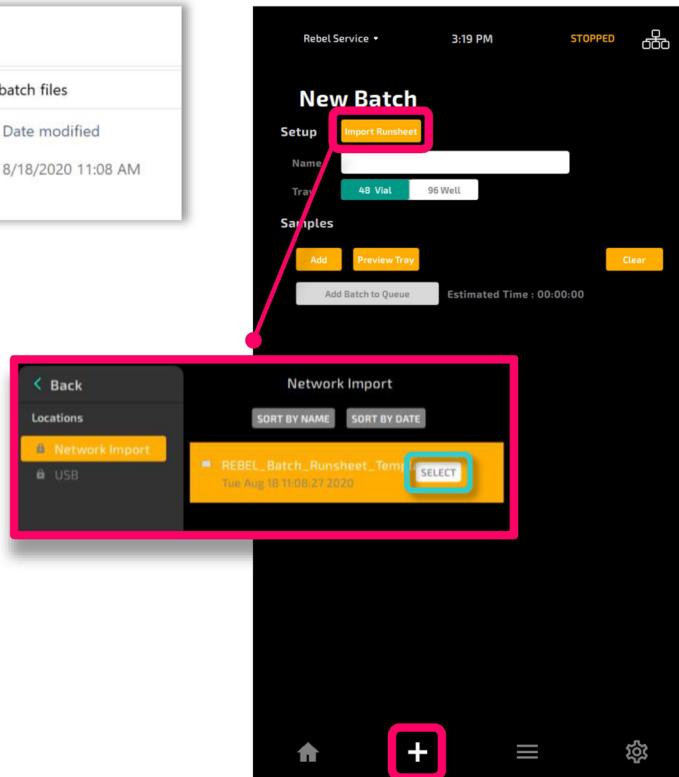
To fully validate network configuration, run a sample

This test should only be performed by personnel who have completed REBEL training

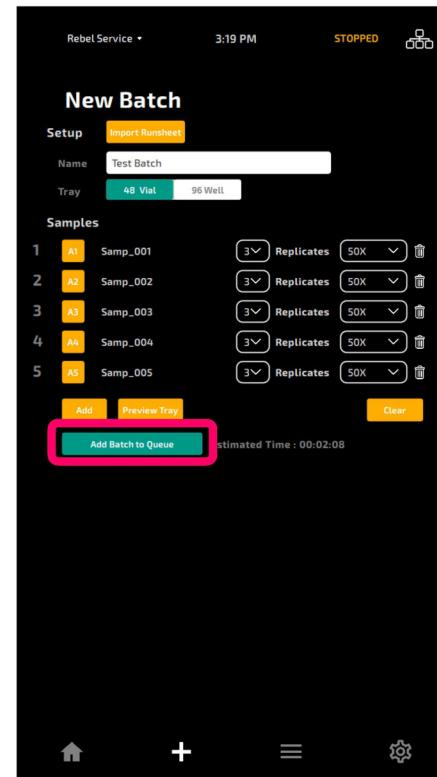
1. Save batch sheet in 'Read Location (UNC)' folder



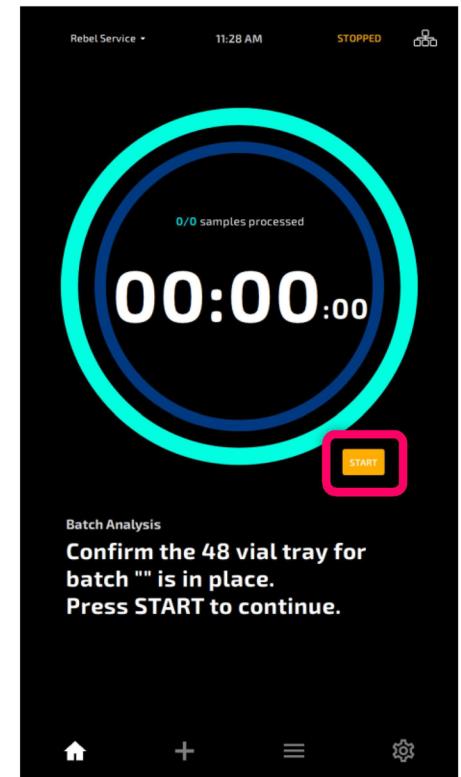
2. Press+, Import Runsheet, Network Import, select Batch



3. Select 'Add Batch to Queue'

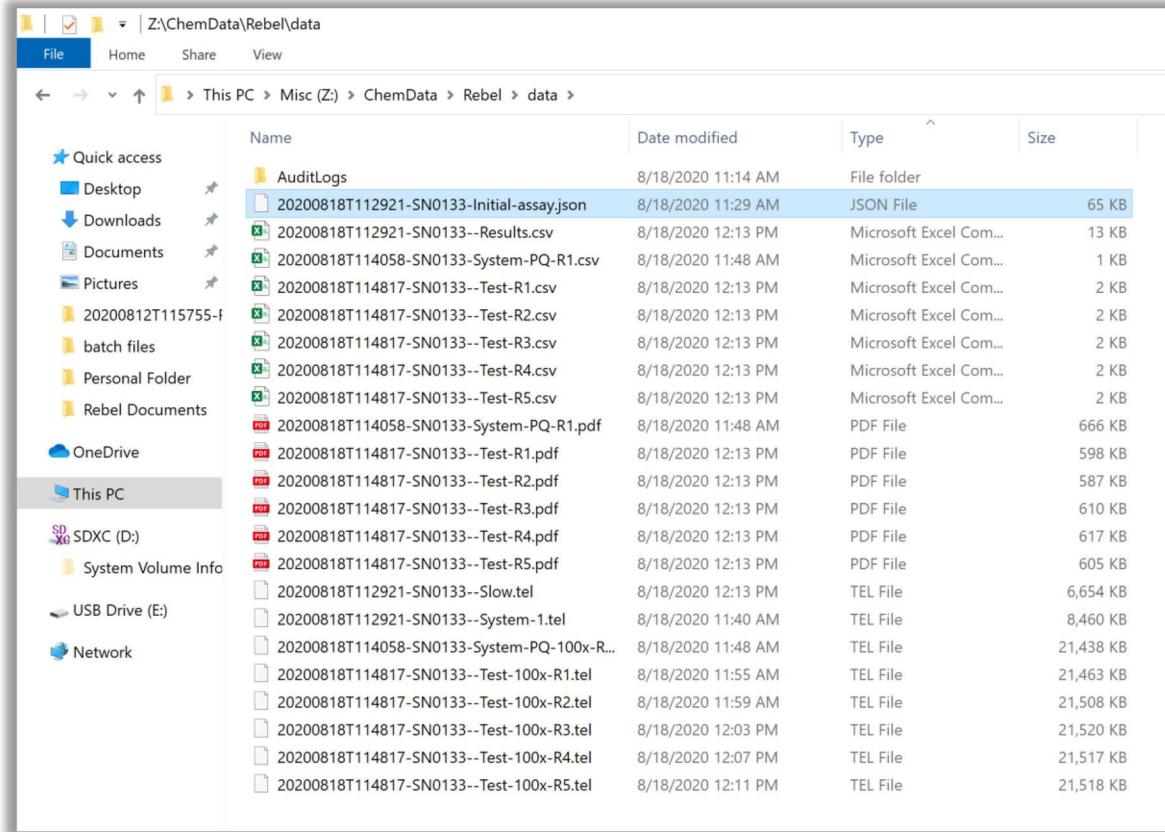


4. START run!



Full Validation of 'Write Settings'

When batch analysis is complete, verify output in 'write' location (e.g., CSV /PDF reports, logs, and TEL)



	Name	Date modified	Type	Size
	AuditLogs	8/18/2020 11:14 AM	File folder	
	20200818T112921-SN0133-Initial-assay.json	8/18/2020 11:29 AM	JSON File	65 KB
	20200818T112921-SN0133--Results.csv	8/18/2020 12:13 PM	Microsoft Excel Com...	13 KB
	20200818T114058-SN0133-System-PQ-R1.csv	8/18/2020 11:48 AM	Microsoft Excel Com...	1 KB
	20200818T114817-SN0133--Test-R1.csv	8/18/2020 12:13 PM	Microsoft Excel Com...	2 KB
	20200818T114817-SN0133--Test-R2.csv	8/18/2020 12:13 PM	Microsoft Excel Com...	2 KB
	20200818T114817-SN0133--Test-R3.csv	8/18/2020 12:13 PM	Microsoft Excel Com...	2 KB
	20200818T114817-SN0133--Test-R4.csv	8/18/2020 12:13 PM	Microsoft Excel Com...	2 KB
	20200818T114817-SN0133--Test-R5.csv	8/18/2020 12:13 PM	Microsoft Excel Com...	2 KB
	20200818T114058-SN0133-System-PQ-R1.pdf	8/18/2020 11:48 AM	PDF File	666 KB
	20200818T114817-SN0133--Test-R1.pdf	8/18/2020 12:13 PM	PDF File	598 KB
	20200818T114817-SN0133--Test-R2.pdf	8/18/2020 12:13 PM	PDF File	587 KB
	20200818T114817-SN0133--Test-R3.pdf	8/18/2020 12:13 PM	PDF File	610 KB
	20200818T114817-SN0133--Test-R4.pdf	8/18/2020 12:13 PM	PDF File	617 KB
	20200818T114817-SN0133--Test-R5.pdf	8/18/2020 12:13 PM	PDF File	605 KB
	20200818T112921-SN0133--Slow.tel	8/18/2020 12:13 PM	TEL File	6,654 KB
	20200818T112921-SN0133--System-1.tel	8/18/2020 11:40 AM	TEL File	8,460 KB
	20200818T114058-SN0133-System-PQ-100x-R...	8/18/2020 11:48 AM	TEL File	21,438 KB
	20200818T114817-SN0133--Test-100x-R1.tel	8/18/2020 11:55 AM	TEL File	21,463 KB
	20200818T114817-SN0133--Test-100x-R2.tel	8/18/2020 11:59 AM	TEL File	21,508 KB
	20200818T114817-SN0133--Test-100x-R3.tel	8/18/2020 12:03 PM	TEL File	21,520 KB
	20200818T114817-SN0133--Test-100x-R4.tel	8/18/2020 12:07 PM	TEL File	21,517 KB
	20200818T114817-SN0133--Test-100x-R5.tel	8/18/2020 12:11 PM	TEL File	21,518 KB



Thank you

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