

CEDEN 2.0 Data Submission Guide

August 2026
Version 1.0



CEDEN 2.0
CALIFORNIA ENVIRONMENTAL DATA EXCHANGE NETWORK



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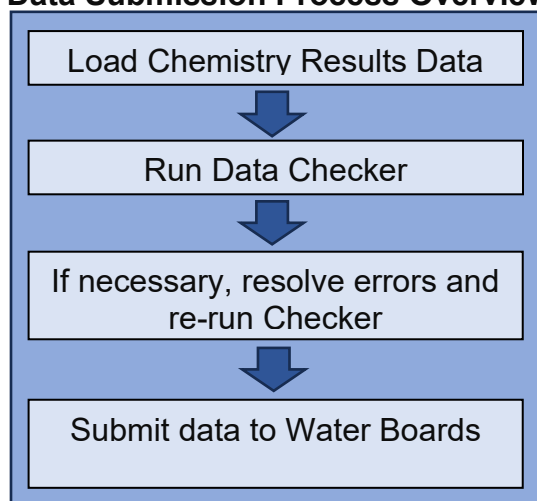
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Introduction

This document describes the steps for submitting results data to CEDEN 2.0. Currently, CEDEN 2.0 only accepts water and sediment quality chemistry and microbiology data and associated vocabulary. Other data types should continue to be submitted through the previously [existing CEDEN process](#). Additional data types, such as field, habitat, toxicity, tissue, and taxonomy, will be accommodated in CEDEN 2.0 in the future.

EQulS Enterprise (<https://ceden.equisonline.com/>) is the user interface through which users interact with CEDEN 2.0. For help getting started in EQulS, refer to the New User Guide on the [CEDEN 2.0 Data Submission webpage](#).

Data Submission Process Overview



CEDEN 2.0 Chemistry Results Data Submission

Note: Before submitting Chemistry Results Data, all necessary controlled vocabulary must be in CEDEN 2.0. To request the addition of new vocabulary to CEDEN 2.0, refer to the Vocabulary Request Guide on the [CEDEN 2.0 Data Submission webpage](#).

Chemistry results data are submitted using the Chemistry Data Checker. From the CEDEN 2.0 Main Menu, click on “Chemistry Data Checker” in the Navigation pane.

EQutS Enterprise
CEDEN 2.0 Main Menu

HOME PAGE

CEDEN 2.0

CALIFORNIA ENVIRONMENTAL DATA EXCHANGE NETWORK

Welcome to CEDEN 2.0

The CEDEN 2.0 data submission portal is for submitting water and sediment quality **CHEMISTRY** and **MICROBIOLOGY** data and associated vocabulary.

Other data types should continue to be submitted through the previously existing [CEDEN process](#). Additional data types (field, habitat, toxicity, tissue and taxonomy) will be added to CEDEN 2.0 in the future.

Helpful Resources

- [CEDEN Website](#)
- [CEDEN 2.0 Guidance Documents](#)
- [Contact CEDEN](#)

Navigation

PROJECT VOCABULARY

- View existing Project Vocabulary
- Request to add Project Vocabulary
 - Project, ParentProject, Program, QAPP
 - Agency
 - Stations
- Upload a Quality Assurance Project Plan (QAPP)

CHEMISTRY VOCABULARY

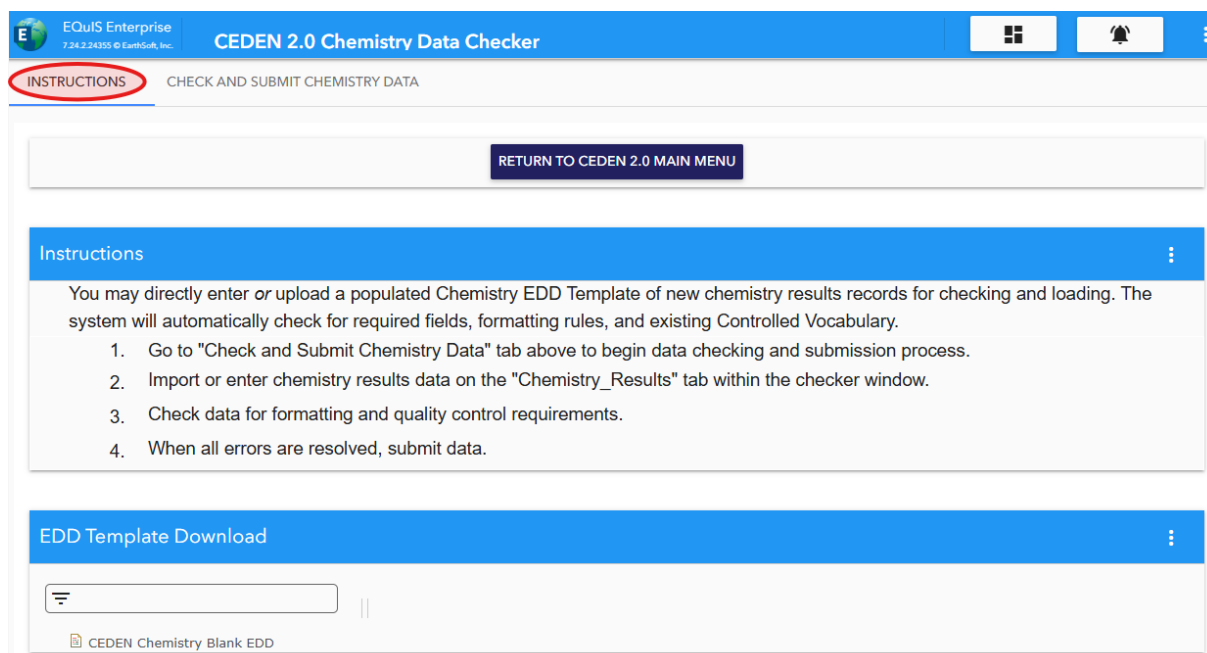
- View existing Chemistry Vocabulary
- Request to add Chemistry Vocabulary
 - Constituents (Analyte, Method, Matrix, Unit)
 - Advanced Vocabulary: PrepPreservation, DigestExtract, SampleType, Fraction, Quality Assurance (QA) Codes, Lab Agencies

CHEMISTRY DATA CHECKER

- Upload or enter data
- Check data
- Submit data

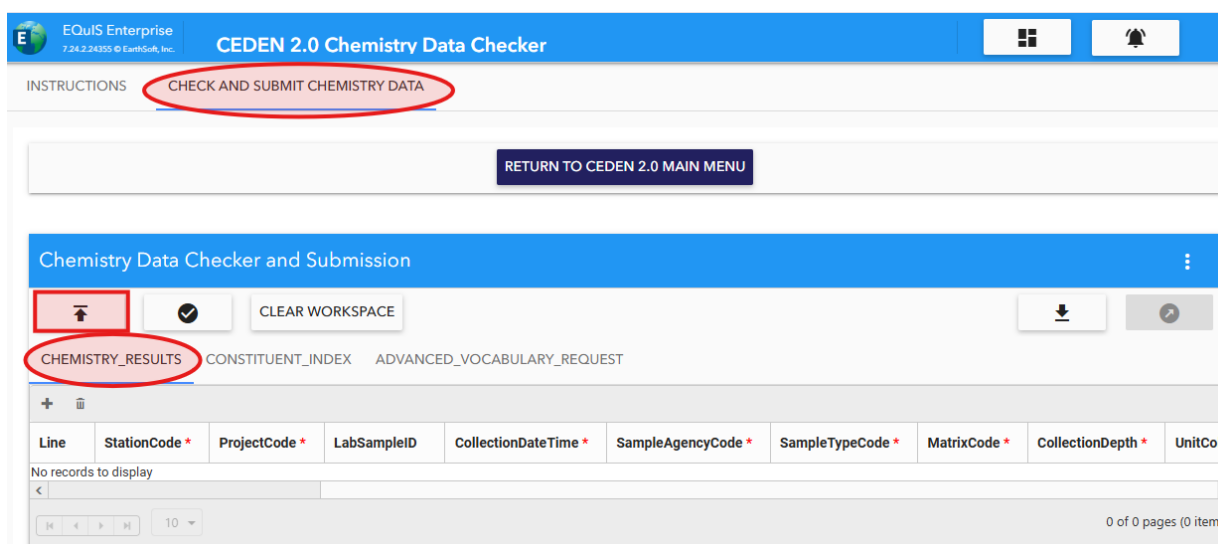
1. Load New Chemistry Results Data

In the Chemistry Data Checker module, you will first land on the Instructions tab. The Instructions tab contains abbreviated instructions, the option to download a blank Chemistry EDD Template used for data submission, and an icon key for various icons you will encounter.



To advance to the Chemistry Data Checker, click on the “Check and Submit Chemistry Data” tab. In the “Chemistry Data Checker and Submission” window, ensure the “Chemistry_Results” tab is selected.

You can upload a completed EDD (CE DEN_Chemistry) by clicking the upload button  at the top left of the window.



You can also manually enter data by typing directly in the table within the “Chemistry Data Checker and Submission” window by clicking the plus sign  at the top left of the table to add a row of data.

Note: You can mouse over the table field headings in the window for the data type, character limit, and a brief description of the field and helpful tips.

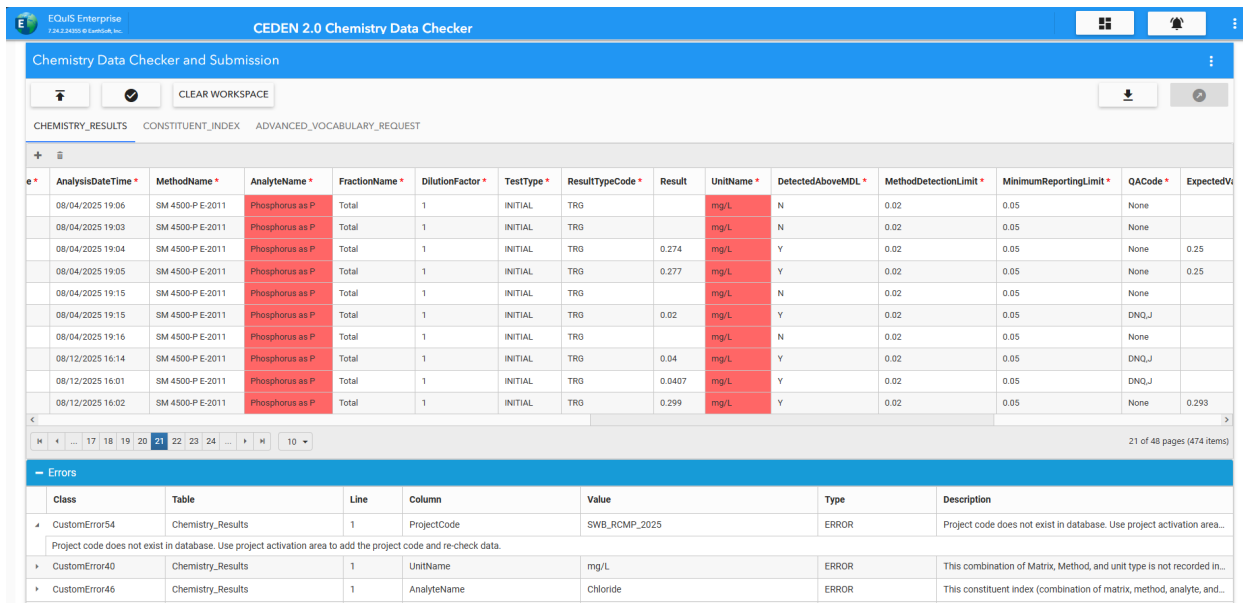
2. Run the Data Checker

Once you have uploaded your data to the window, run the Data Checker by clicking the check button  at the top left of the window. The data check process will differ slightly depending on how many records you have submitted for checking.

2.1. Under 500 Records

If your dataset is under 500 records in length, the Data Checker will assess it while you wait, checking for required fields, formatting rules, controlled vocabulary, and quality control acceptance criteria.

- If errors are found, an error report will appear beneath the data grid in the Errors window.
 - Data cannot be submitted until errors are resolved.
 - Warnings do not prevent data submission; if possible, they should be addressed but some are intended to be informative only.
- Click on the small triangle in the left side of the error report to expand the error and see its full description, as well as guidance on how to resolve it.
- Highlighted cell(s) in the data grid may also appear that indicate the specific cells that contain an error.
 - Mouse over the highlighted cell(s) for a brief error description.



AnalysisDate	MethodName	AnalyteName	FractionName	DilutionFactor	TestType	ResultTypeCode	Result	UnitName	DetectedAboveMDL	MethodDetectionLimit	MinimumReportingLimit	QACode	ExpectedValue
08/04/2025 19:06	SM 4500-P E-2011	Phosphorus as P	Total	1	INITIAL	TRG		mg/L	N	0.02	0.05	None	
08/04/2025 19:03	SM 4500-P E-2011	Phosphorus as P	Total	1	INITIAL	TRG		mg/L	N	0.02	0.05	None	
08/04/2025 19:04	SM 4500-P E-2011	Phosphorus as P	Total	1	INITIAL	TRG	0.274	mg/L	Y	0.02	0.05	None	0.25
08/04/2025 19:05	SM 4500-P E-2011	Phosphorus as P	Total	1	INITIAL	TRG	0.277	mg/L	Y	0.02	0.05	None	0.25
08/04/2025 19:15	SM 4500-P E-2011	Phosphorus as P	Total	1	INITIAL	TRG		mg/L	N	0.02	0.05	None	
08/04/2025 19:15	SM 4500-P E-2011	Phosphorus as P	Total	1	INITIAL	TRG	0.02	mg/L	Y	0.02	0.05	DNQJ	
08/04/2025 19:16	SM 4500-P E-2011	Phosphorus as P	Total	1	INITIAL	TRG		mg/L	N	0.02	0.05	None	
08/12/2025 16:14	SM 4500-P E-2011	Phosphorus as P	Total	1	INITIAL	TRG	0.04	mg/L	Y	0.02	0.05	DNQJ	
08/12/2025 16:01	SM 4500-P E-2011	Phosphorus as P	Total	1	INITIAL	TRG	0.0407	mg/L	Y	0.02	0.05	DNQJ	
08/12/2025 16:02	SM 4500-P E-2011	Phosphorus as P	Total	1	INITIAL	TRG	0.299	mg/L	Y	0.02	0.05	None	0.293

Class	Table	Line	Column	Value	Type	Description
CustomError54	Chemistry_Results	1	ProjectCode	SWB RCMP_2025	ERROR	Project code does not exist in database. Use project activation area...
CustomError40	Chemistry_Results	1	UnitName	mg/L	ERROR	This combination of Matrix, Method, and unit type is not recorded in...
CustomError46	Chemistry_Results	1	AnalyteName	Chloride	ERROR	This constituent index (combination of matrix, method, analyte, and...

- Resolve any errors that are found and rerun the Checker.
- Once the file is free of errors, the submit button  in the top right of the window

will no longer be grayed out. You are now ready to submit your data (see step 3- Submit Data).

2.2. Over 500 Records

If your dataset is over 500 records in length, the Data Checker will check the data in background processing mode to avoid extended wait times for the user. The same checks are conducted as in the process for under 500 records, but the user may check and submit additional files while the background check continues to run.

To check another file, select “Clear Workspace” and upload a different file.

The status of data files in background processing is displayed in the Background EDD Processing window below the data grid.

Note: Be careful not to confuse this status window with the Chemistry File Status window below it (see step 3 for information on the Chemistry File Status window).

The screenshot displays the CEDEN 2.0 Chemistry Data Checker interface. The main window shows a table of chemistry data with columns: Line, StationCode, ProjectCode, LabSampleID, CollectionDateTime, SampleAgencyCode, SampleTypeCode, MatrixCode, CollectionDepth, UnitCollectionDepth, SampleComments, PrepPreservationName, PrepPreservationDateTime, and DigestExtractMethod. Below this is a 'Background EDD Processing' window, which is highlighted with a red box. This window contains a table with columns: Status, EDD Name, File Name, Submission Date, Timing, Progress / Results, and Actions. The Actions column includes icons for download, load, view report, and open file.

When the background processing is completed for a file, you will receive an alert email that will also inform you of any errors or warnings found in an attached error report.

Note the Actions column of the Background EDD Processing window. From there you can do the following:

- Download a copy of the file
- Load the file to the data grid
- View the error report
- Open the file in your browser

Resolve all errors and run it through the Data Checker again.

Once the file is free of errors, the submit button  in the top right of the window will no longer be grayed out. You are now ready to submit your data (see step 3-Submit Data).

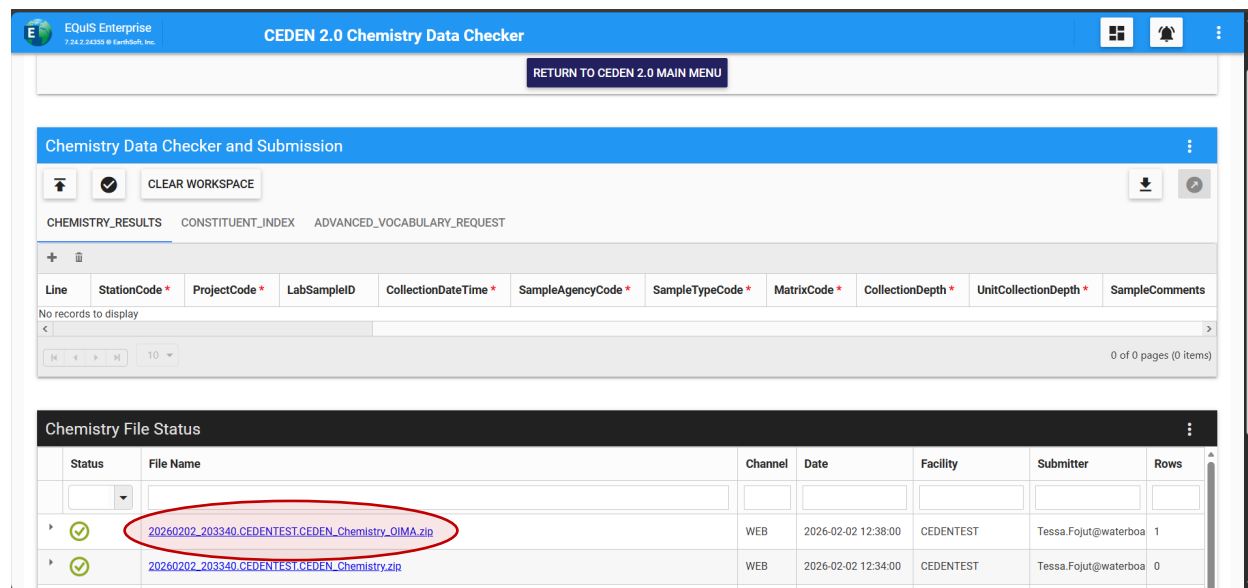
Note: To submit data, it must be currently loaded to the data grid. If you receive an email stating that your data are error free, but you do not see the data in the data grid, you must locate the file in the Background EDD Processing window and click the corresponding Load button , located in the Actions column. This will load the data to the data grid and will activate the submit button .

3. Submit Data

Once the checker approves your data, it is time to submit it to CEDEN 2.0. Click the submit button  at the top right of the window to submit your data.

Note: If the button is grayed out, your dataset has not successfully passed the Data Checker.

Record of your submission will display in the “Chemistry File Status” window below the “Chemistry Data Checker and Submission” window (the table may need to be refreshed for your submission to appear). You will receive a status update email and a final confirmation email when the process is complete. For small data files, the status update and final confirmation emails may arrive simultaneously.



Status	File Name	Channel	Date	Facility	Submitter	Rows
✓	20260202_203340.CEDENTEST.CEDEN_Chemistry_OIMA.zip	WEB	2026-02-02 12:38:00	CEDENTEST	Tessa.Fojut@waterboa	1
✓	20260202_203340.CEDENTEST.CEDEN_Chemistry.zip	WEB	2026-02-02 12:34:00	CEDENTEST	Tessa.Fojut@waterboa	0