

Domestic Well EQulS EDD Submittals

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EQulS Training Team



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Agenda

-  EQuIS Overview
-  EDP Overview and Key Terminology
-  Lab Data Import Format
-  Domestic Well Portal
-  Questions

EQuIS Overview

What is EQuIS?

Environmental Quality Information Systems

EQuIS™

An advanced environmental data management and decision support system

- ✓ Manage large amounts of environmental, chemical, biological, geological, geotechnical, hydrologic, limnological, air and compliance data
- ✓ Take advantage of the complete environmental data workflow to meet requirements and make decisions

Resources Page

EQulS Data Processor (EDP)

Enterprise EDP Purpose

Automatically upload and process EDDs (via ftp, email, or web).

Automatically receive acceptance and rejection notifications.

The screenshot displays the EDD Upload interface. At the top, there is a table titled "EDD Upload" with columns: Format, Reference Values *.rvf, Blank EDD Template, and EDD Description. The table lists four formats: EFWEDD, EQEDD, EDGE, and COLLECT_INSPECTION, each with a green status icon and a download icon.

Below the table is a "Format:" dropdown menu and a message: "Please select the EDD that you would like to upload:". A sidebar on the left contains navigation options: Open, Save As, Save, and Sign & Submit.

The main area shows a login form with fields for User Name (Trainee), Password (masked with asterisks), Facility (GKM), and Submit URL (https://academy.equ...). A dark green overlay with white text reads "EDD Submission Notifications".

On the right, the "EDP EDD Status" window is open, showing a table of submission records. The table has columns: Status, File Name, Date, and Facility. It lists several records, including one for "20170818 141612.GKM.EQEDD.zip" with a status of "Successfully Completed". A "Details" section for this record shows: File Name: 20170818_141612.GKM.EQEDD.zip, Facility: Gold King Mine, Format: EQEDD, and Submitter: maryann.parcher@earthsoft.com. Below the details is a table of process steps: File Monitor, File Validate, and File Process, all marked as "Successfully Completed".

At the bottom, a notification window from Emily Mulford is visible, dated Fri 1/4/2019 2:14 PM. The notification reads: "EDD File 20190104 131011.GKM.EQEDD.zip Accepted" and "Your EDD file '20190101 131911.GKM.EQEDD.zip has been accepted and no errors were found."

EFMD EQUIS Terminology

Reference Values

Lists of approved terminology used when submitting data

EQIS Enterprise
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EDP

CADDWDOMESTICTEST FACILITY

EDD Upload

Format	Reference Values *.rvf	Blank EDD Template	EDD Description
CA Domestic Well Data Correction			
CA Domestic Well Analytical Data			

Domestic_Well_Analytical_Data

Select the EDD that you would like to upload:

Drop files or click to upload

Browse

Name	C...	Date	Facility	Submitter	R...

Analytes

Substances analyzed for or quantified by analytical procedure

Many different names mean the same thing (chemical, parameter...)



CAS RNs

Chemical Abstracts Service Registry Number is a unique identifier that refers to a chemical substance

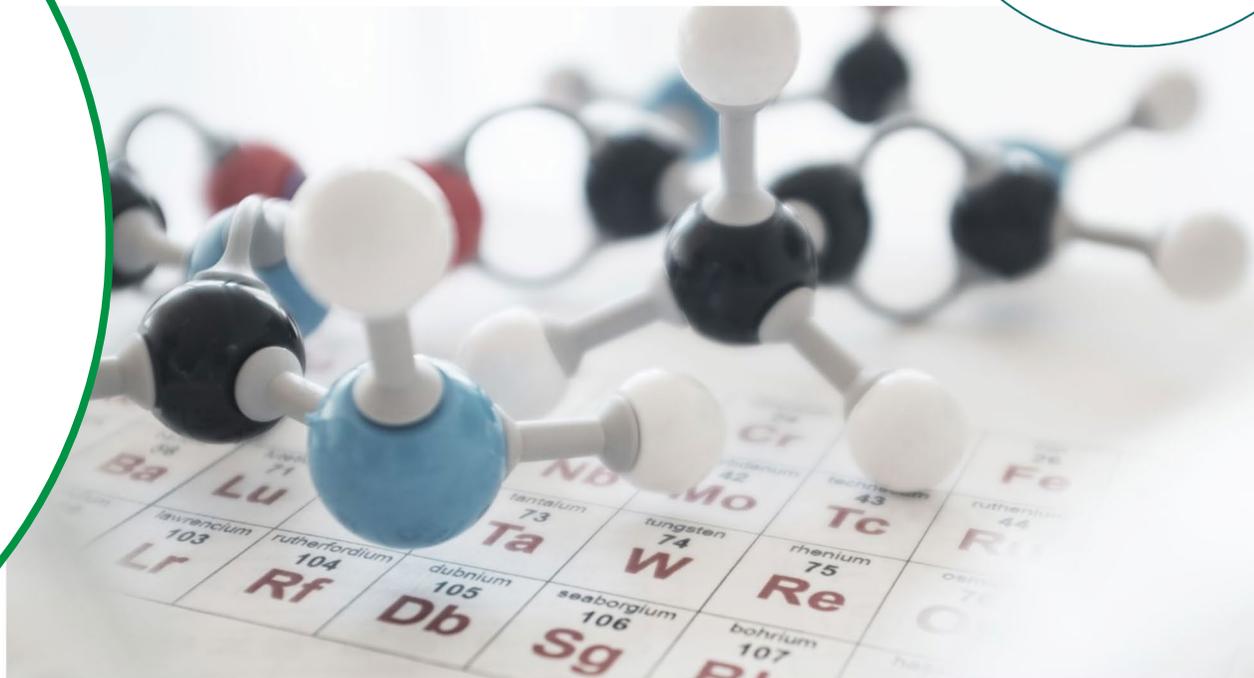
To find CAS numbers, visit

<http://www.cas.org>

<https://pubchem.ncbi.nlm.nih.gov/search/>

<http://www.chemfinder.com>

58-08-2
is the
CAS RN
for
Caffeine



Sample Types

The classification of samples based on the sampling purpose and procedure



RT	Routine Sample
FB	Field Blank
BS	Blank Spike
BD	Blank Spike Duplicate
TB	Trip Blank
MS	Lab Matrix Spike

EDP Terminology

Format File

Several files may comprise the format file set

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EDD Upload

Format	Reference Values *.rvf	Blank EDD Template	EDD Description
CA Domestic Well Data Correction			
CA Domestic Well Analytical Data			

Domestic_Well_Analytical_Data

Select the EDD that you would like to upload:

Drop files or click to upload

Browse

EDD Status

Status	File Name	C...	Date	Facility	Submitter	R...

No records to display

CA_Domestic_Well_Analytical_Data

EDDs

Electronic Data Deliverables are electronic tabular formats for sharing, manipulating and using data

	A	B	C	D
1	#sys sample code	lab anl method name	analysis date	total or dissolved
2	1508188-001A	2320B	2015/08/12 06:38:00	T
3	1508188-001A	2320B	2015/08/12 06:38:00	T
4	1508188-001A	2320B	2015/08/12 06:38:00	T
5	1508188-001A	2510B	2015/08/12 06:12:00	T
	1508188-001A	2540C	2015/08/11 14:20:00	T
	1508188-001A	2540D	2015/08/11 14:30:00	T
	1508188-001A	300.0	2015/08/12 17:07:00	T
	1508188-001A	300.0	2015/08/12 17:57:00	T
	1508188-001A	353.2	2015/08/11 17:29:46	T
	1508188-001A	4500H+B	2015/08/11 20:06:00	T
	1508188-001A	2510B	2015/08/12 06:12:00	T



EDD Examples

Access Databases

Excel Workbooks

Delimited Text Files

Primary Keys

A field or set of fields in a table that constitute a unique record within that table

<u>cas_rn</u>	chemical_name
7440-66-6	Zinc
75-35-4	Vinylidene Chloride
75-01-4	Vinyl Chloride
108-05-4	Vinyl Acetate
7440-62-2	Vanadium (Fume Or Dust)
75-69-4	Trichlorofluoromethane

Each chemical (cas_rn) is listed only once

The CA_Domestic_Well_Analytical_Data Format has six primary key fields

<u>#Lab ELAP CertID</u>	<u>Lab Sample ID</u>	<u>Originating County Source</u>	<u>Collection Date</u>	<u>Collection Time</u>	<u>Analyte Code</u>
#Numeric	Text(20)	Text(30)	Date	Time	Text(4)

EDDs

Conventions

First comment row defines the data you enter in each column.

Second comment row indicates the data type and length. This row also contains a tool tip with more detail on the column.

Red text typically indicates a required field.

Red and Underlined text indicates a Primary Field.

Blue text indicates a field linked to a reference table (also referred to as a “look-up” or valid value).

B	C	D	G	H	
<u>Lab Sample ID</u>	<u>Composite_YN</u>	Composite_Description	<u>Originating County Source</u>	<u>Assessor_Parcel_Number</u>	Cou
<i>Text(20)</i>	<i>Text(1)</i>	<i>Text(255)</i>	<i>Text(30)</i>	<i>Text(20)</i>	
ASDF-123	N				

CA_Domestic_Well_Analytical_Data Format Checks

EDP and Lab Format Checks

- ✓ Required Fields
- ✓ Field Lengths
- ✓ Data Types
- ✓ Valid Dates
- ✓ Reference Values
- ✓ Duplicate Rows (Primary Keys, Uniqueness)
- ✓ Range Checking

EDP and Lab Format Check Examples

- The EDD Submitter must have a valid ELAP Certification ID (refer to reference values).
- Date/Time fields must be valid, cannot be a date in the future.
 - Lab_Receipt_Date cannot be before Collection_Date.
- If numeric fields are populated, then units are required. And vice-versa.

EDP and Lab Format Check Examples

- For the selected Analyte_Code, the Analysis_Method_Code and Units must be valid (refer to reference values).
- Result and Reporting Level values must be numeric and cannot be in scientific notation.
- A single Lab_Sample_ID can only be used with a single APN in a single EDD.
- If Less_Than_Indicator=Y, then Result and Result_units should be null.

Upload Data in the Domestic Well Portal

Access Web Portal (Enterprise)



Your email
Username or Email

Password *

Stay signed in **SIGN IN**

[Forgot your password?](#)
[Create New Account](#)

 Sign in with Microsoft



Get Started and Create an Account:

1. If you haven't already, fill out the [Electronic Subscriber Agreement Form](#) and mail it to the address indicated on the form.
2. After the form has been mailed, create your user account by clicking 'Create New Account' hyperlink to the left.
3. Create your username and enter your email address on the Create New Account registration form.
4. A confirmation code will be emailed to the email address provided. Copy and paste the confirmation code from the email into the resulting popup on the Create New Account registration form.
5. Fill out the rest of the Create New Account registration form and press Register. Your account has been created and is waiting to be activated.
6. Your account request will be reviewed by DDW and if approved, will be active by the next day.
7. Navigate back to this page and log in to the account using the username and password you created. You can start submitting data.

Helpful Links and Contact Information
[Division of Drinking Water \(DDW\) CLIP Information](#)
[DDW-CLIP Download Page](#)
[Request Format Keys](#)
[Email the DDW-CLIP Inbox](#)

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Domestic Wells Dashboard

 EQUS Enterprise
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EDP

 CADDWDOMESTICTEST FACILITY

EDD Upload

Format	Reference Values *.rvf	Blank EDD Template	EDD Description
CA_Domestic_Well_Data_Correction			
CA_Domestic_Well_Analytical_Data			

CA_Domestic_Well_Analytical_Data ▾

Please select the EDD that you would like to upload:

Drop files or click to upload

EDP EDD Status

Status	File Name	C...	Date	Facility	Submitter	R...
<input type="text"/>						

No records to display



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Choose the Correct County for your Data



*Originating County Source

Drag and Drop the EDD to the EDD Upload Widget

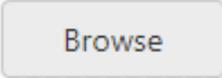
EDD Upload

Format	Reference Values *.rvf	Blank EDD Template	EDD Description
CA Domestic Well Data Correction			
CA Domestic Well Analytical Data			

CA_Domestic_Well_Analytical_Data ▾

Please select the EDD that you would like to upload:

Drop files or click to upload

Check EDD Status – Blue is In Process

EDP EDD Status		
	Status	File Name
	<input type="text"/>	<input type="text"/>
▶		CA Domestic Well Analytical Data EDD Errors.CADDWV
▶		DomesticWellTestEDD AM 20211210 KG.CADDWDOME

Check EDD Status – Green is Good!

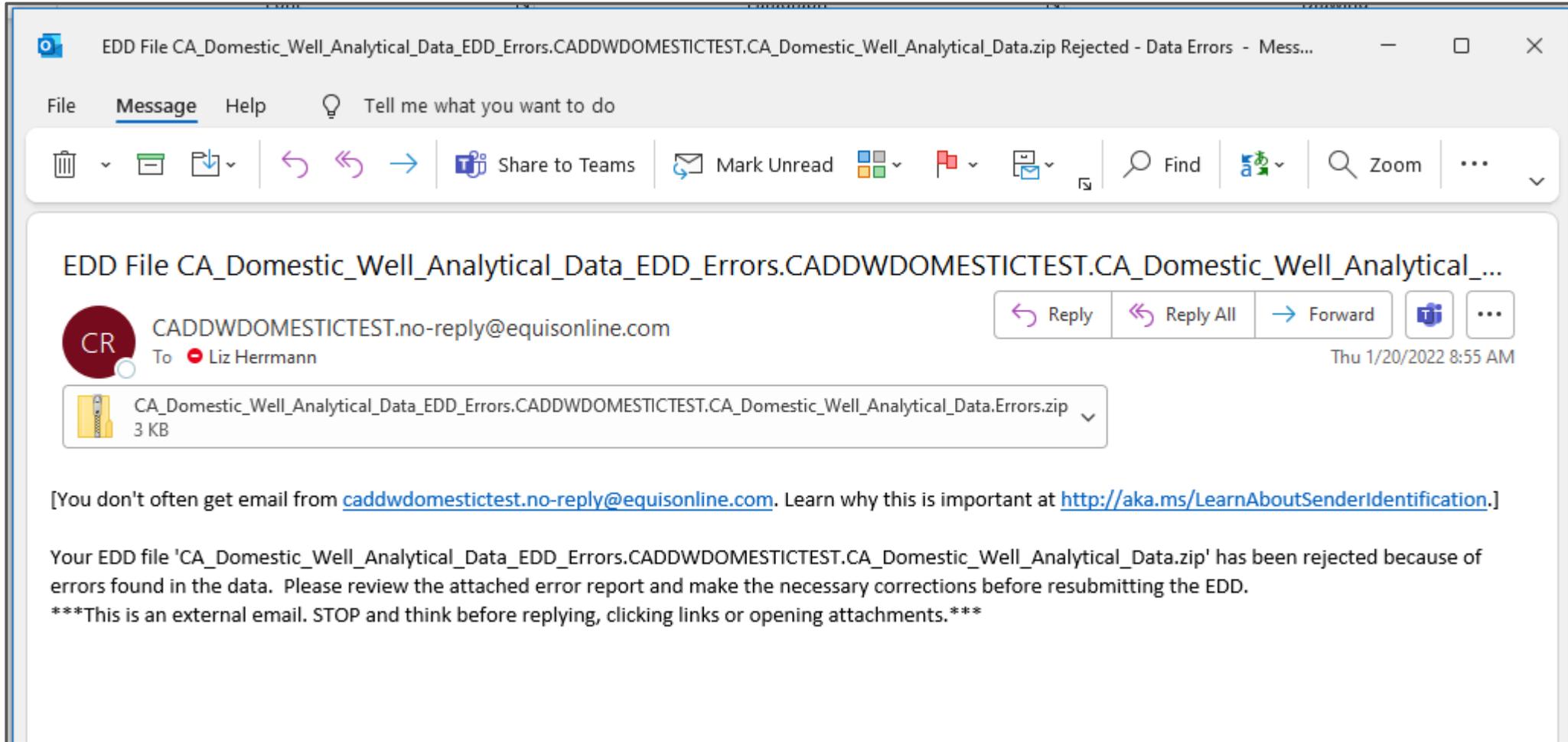
EDP EDD Status	
Status	File Name
<input type="text"/>	<input type="text"/>
▶ ●	DomesticWellTestEDD_AM_20211210_KG.CADDWDOMESTICTEST.CA_Domestic_Well_Data_Correction.zip
▶ ●	DomesticWellTestEDD_AM_20211210_KG.CADDWDOMESTICTEST.CA_Domestic_Well_Analytical_Data.zip
▶ ●	DomesticWellTestEDD_20211208_AM.CADDWDOMESTICTEST.CA_Domestic_Well_Analytical_Data.zip
▶ ●	DomesticWellTestEDD_20211207_AM.CADDWDOMESTICTEST.CA_Domestic_Well_Data_Correction.zip
▶ ●	DomesticWellTestEDD_20211207_AM.CADDWDOMESTICTEST.CA_Domestic_Well_Data_Correction.zip
▶ ●	DomesticWellTestEDD_20211207_AM.CADDWDOMESTICTEST.CA_Domestic_Well_Analytical_Data.zip
▶ ●	CA_Domestic_Well_Analytical_Data_Dummy_Data_EDD_JA_112221.CADDWDOMESTICTEST.CA_Domestic_Well_Analytical_Data.zip
▶ ●	DomesticWellTestEDD_AM_20211116_AM.CADDWDOMESTICTEST.CA_Domestic_Well_Analytical_Data.zip

1 10

Check EDD Status – Red Means Errors

EDP EDD Status				
Status	File Name	Channel	Date	
All				
	CA_Domestic_Well_Analytical_Data_EDD_Errors.CADDWDOMESTICTEST.CA_Domestic_Well_Analytical_Data.zip EDD File CA_Domestic_Well_Analytical_Data_EDD_Errors.CADDWDOMESTICTEST.CA_Domestic_Well_Analytical_Data.zip Rejected - Data Errors	WEB	2022-01-20 08:45:00	
223719	2022-01-20 08:44:30	File Monitor	Successful	
223720	2022-01-20 08:44:30	File Validate	Successful	
223721	2022-01-20 08:44:30	File Process	 EDD File CA_Domestic_Well_Analytical_Data_EDD_Errors.CADDWDOMESTICTEST.CA_Domestic_Well_Analytical_Data.zip Rejected - Data Errors Your EDD file 'CA_Domestic_Well_Analytical_Data_EDD_Errors.CADDWDOMESTICTEST.CA_Domestic_Well_Analytical_Data.zip' has been rejected. Please review the attached error report and make the necessary corrections before resubmitting the EDD. CA_Domestic_Well_Analytical_Data_EDD_Errors.CADDWDOMESTICTEST.CA_Domestic_Well_Analytical_Data.Errors.zip	

Check EDD Status – Red Means Errors



EDD File CA_Domestic_Well_Analytical_Data_EDD_Errors.CADDWDOMESTICTEST.CA_Domestic_Well_Analytical_Data.zip Rejected - Data Errors - Mess...

File Message Help Tell me what you want to do

Share to Teams Mark Unread Find Zoom

EDD File CA_Domestic_Well_Analytical_Data_EDD_Errors.CADDWDOMESTICTEST.CA_Domestic_Well_Analytical_...

 CADDWDOMESTICTEST.no-reply@equisonline.com
To Liz Herrmann Thu 1/20/2022 8:55 AM

 CA_Domestic_Well_Analytical_Data_EDD_Errors.CADDWDOMESTICTEST.CA_Domestic_Well_Analytical_Data.Errors.zip
3 KB

[You don't often get email from caddwdomestictest.no-reply@equisonline.com. Learn why this is important at <http://aka.ms/LearnAboutSenderIdentification>.]

Your EDD file 'CA_Domestic_Well_Analytical_Data_EDD_Errors.CADDWDOMESTICTEST.CA_Domestic_Well_Analytical_Data.zip' has been rejected because of errors found in the data. Please review the attached error report and make the necessary corrections before resubmitting the EDD.

This is an external email. STOP and think before replying, clicking links or opening attachments.

Check EDD Status – Resolving EDD Errors

EDP Error Log

User Name:liz.herrmann@earthsoft.com

Format Name:CA_Domestic_Well_Analytical_Data

Format Version:1.00.2

EDD File(s):

D:\local\Temp\06d116a8-5de8-4fce-b1e0-64e5fada2ab8.CA_Domestic_Well_Analytical_Data_EDD_Errors.xlsx

Reference Values File: Database

Run Date: 1/20/2022 3:54:05 PM

13 total errors:

Table	Line	Column	Value	Message	Type
Lab_Analytical_Data	3	Lab_ELAP_CertID	123456789	This certification ID cannot be found in CASWRCB DDW's database. Please contact DDW to add this certification number.	ERROR
Lab_Analytical_Data	3	Lab_ELAP_CertID	123456789	Value exceeds field length	ERROR
Lab_Analytical_Data	3	Sample_Point_Descriptor	[NULL]	Missing required field	ERROR
Lab_Analytical_Data	3	Collection_Time	120::	Invalid data type	ERROR
Lab_Analytical_Data	3	Sample_Type	[NULL]	Missing required field	ERROR
Lab_Analytical_Data	3	Lab_Receipt_Date	[NULL]	Missing required field	ERROR
Lab_Analytical_Data	3	Analyte_Code	[NULL]	Missing required field	ERROR
Lab_Analytical_Data	3	Analysis_Start_Date	[NULL]	Missing required field	ERROR
Lab_Analytical_Data	3	Analysis_Start_Time	[NULL]	Missing required field	ERROR

Check EDD Status – Resolving EDD Errors

EDD Upload			
Format	Reference Values *.rvf	Blank EDD Template	EDD Description
CA Domestic Well Data Correction			
CA Domestic Well Analytical Data			

CA_Domestic_Well_Analytical_Data ▾

Please select the EDD that you would like to upload:

Drop files or click to upload

More Helpful Hints Available Here 

Next Steps

Questions?