

How to Download ORSANCO's Clean Metals Program Data from EPA's Water Quality Portal

- Go to <https://www.waterqualitydata.us/#advanced=true>
- Click 'Advanced'
- Under 'Select Location Parameters'
 - ORSANCO's Organization IDs
 - 31ORWUNT_WQX
 - 31ORWUNT
 - Use the other fields to search by location if you do not want all 17 bimonthly site locations.

Basic **Advanced**

Select Location Parameters

Specify location parameters to describe the spatial extent of the desired dataset. All fields are optional.

Country ⓘ All Countries ▼	Point Location ⓘ Within <input type="text"/> miles of Latitude <input type="text"/>	Bounding Box ⓘ North: <input type="text"/> South: <input type="text"/> East: <input type="text"/> West: <input type="text"/>	Site Type ⓘ All Site Types ▼
State ⓘ All States ▼	Longitude <input type="text"/>		Organization ID ⓘ 31ORWUNT - O... ▼ 31ORWUNT_W... ▼
County ⓘ All Counties ▼	<input type="text"/>		Site ID ⓘ All Site IDs ▼
	<input type="text"/>		HUC ⓘ All HUCs

- Under 'Filter Results'
 - Clean Metals Project ID – CLEAN-01
 - Sample Media – Water
 - Change the date range to the desired dates.
 - This site has data 1998 to present

Filter Results

Specify data source, date range, and sampling filters to apply to the desired dataset. All fields are optional.

Sample Media [?]

All Sample Media

Parameter Code(NWIS ONLY) [?]

All Parameter Codes

Date Range [?]

Dates should be entered as mm-dd-yyyy, mm-yyyy, or yyyy from:

01-01-2015

to:

01-01-2018

Characteristic Group [?]

All Characteristic Groups

Biological Parameters Assemblage [?]

All Assemblages

Characteristics [?]

All Characteristics

Taxonomic Name [?]

All Taxonomic Names

Minimum Sampling Activities Per Site [?]

1

Project ID [?]

CLEAN-01 (STORET)

Minimum Results Per Site [?]

1

- Narrow down results by selecting Characteristic Group you want or certain Characteristics. Characteristics available in the Clean Metals sampling program are below:

WQX Characteristic Name (In Config File)	Sample Fraction Required
Magnesium	Total/Dissolved
Cadmium	Total/Dissolved
Copper	Total/Dissolved
Iron	Total/Dissolved
Lead	Total/Dissolved
Manganese	Total/Dissolved
Mercury	Total/Dissolved
Zinc	Total/Dissolved
Arsenic	Total/Dissolved
Aluminum	Total/Dissolved
Barium	Total/Dissolved
Chromium	Total/Dissolved
Nickel	Total/Dissolved
Selenium	Total/Dissolved
Silver	Total/Dissolved
Antimony	Total/Dissolved
Calcium	Total/Dissolved
Thallium	Total/Dissolved
Hardness, carbonate	Total/Dissolved
Beryllium	Total/Dissolved

Potassium	Total/Dissolved
Sodium	Total/Dissolved
Strontium	Total/Dissolved
Total Suspended Solids	TSS
Fixed Suspended Solids	FSS
Volatile Suspended Solids	VSS

- Under 'Download the Data'
 - Check all data sources
 - Check desired file format
 - Data Profiles -> 'Sample Results (physical/chemical metadata)' to get the Bimonthly program results

Download the Data —

Data Source ⓘ

NWIS (USGS)

STEWARDS (ARS)

WQX (EPA)

File Format ⓘ

Comma-Separated

Tab-Separated

MS Excel 2007+

Data Profiles ⓘ

Organization Data

Site Data Only

Project Data

Project Monitoring Location Weighting Data

Sample Results (physical/chemical metadata)

Sample Results (biological metadata)

Sample Results (narrow)

Sampling Activity

Sampling Activity Metrics

Result Detection Quantitation Limit Data

Biological Habitat Metrics

- Scroll down and Click 'Download'

Results Metadata

**The Bimonthly program and the Clean Metals program are sampled at the same time and location which makes the Activity ID's in WQX the same for both programs. The Clean Metals program has different Activity Type labels for the data to upload into WQX. **

- Activity Type
 - Sample-Other = TSS samples
 - Sample-Field Split = Dissolved clean metals sample results

- Result Sample Fraction row will always say Filtered, Field or Dissolved
- Sample-Routine Resample = Total Recoverable clean metals sample results
 - Result Sample Fraction row will always say Unfiltered, Field or Total
- Quality Control Sample-Field Blank = Blank sample
- Quality Control Sample-Field Replicate = Duplicate sample
 - If Result Sample Fraction row = Unfiltered, Field then the sample is Total duplicate sample
 - If Result Sample Fraction row = Filtered, Field then the same is Dissolved duplicate sample