

EIM Help – Result (Weight) Basis

Version 3.0
October 2025

Overview

EIM Result Basis refers to **weight basis**, the physical state in which labs report the analytical results of a sample.

- **Dry weight basis:** Solid, semi-solid, or tissue samples **corrected for moisture content** by using Percent Solids in calculations. Valid value = “Dry”
- **Wet weight basis:** Solid, semi-solid, or tissue samples analyzed wet (i.e., “as received”), **NOT corrected for moisture content**. Valid value = “Wet”
- **Percent Solids** is the percentage of solid material remaining after a lab dries a sample at a designated temperature. Labs use Percent Solids to calculate analytical results on a dry weight basis. Labs analyze Percent Solids “as received” or **Wet**. Labs sometimes report Percent Solids as Total Solids with units of %.

EIM Submittal

Summary

- **Fill out Result Basis** for:
 - [Sediment samples](#)
 - [Soil samples](#)
 - [Tissue chemistry samples](#)
- **Submit Percent Solids** results for samples reported on a dry weight basis.

- **Don't fill out Result Basis** for:
 - [Water samples](#)
 - Field measurements
- **Don't submit TOC-normalized data.** Labs sometimes adjust results based on the Total Organic Carbon (TOC) content of a sample. Report chemical concentrations and TOC content separately.

Note: Labs sometimes combine weight basis with result units (e.g., “ug/Kg dw”). In EIM, Result Basis (column AV) and Result Value Units (column AN) go into two separate fields.

Note: If the lab didn't report weight basis, consult them.

Sediment Samples

- Labs usually report sediment sample results on a **Dry** weight basis.
- Labs usually report grain size samples on a **Dry** weight basis.
- If you are submitting samples reported on a dry weight basis, also submit the Percent Solids data.

Common Result Parameter Name	Field Collection Type (Column D)	Result Basis (Column AV)
All chemistry sample parameters	Sample	Dry
Total Organic Carbon	Sample	Dry
Total Volatile Solids	Sample	Dry
Percent Solids	Sample	Wet
Particle/Grain Size parameters	Sample	Dry (both sieve and hydrometer) Wet , rarely
TCLP or SPLP leachate results	Sample	Leave Blank
All field measurement parameters	Measurement	Leave Blank

Soil Samples

- Labs usually report soil sample results on a **Dry** weight basis.
- Labs usually report grain size samples on a **Dry** weight basis.
- If you are submitting samples reported on a dry weight basis, also submit the Percent Solids data.

Common Result Parameters	Field Collection Type (Column D)	Result Basis (Column AV)
All chemistry sample parameters	Sample	Dry Wet , rarely
Percent Solids	Sample	Wet
TCLP or SPLC leachate results	Sample	Leave Blank
All field measurement parameters	Measurement	Leave Blank

Tissue Chemistry Samples

- Labs usually report tissue chemistry on a **Wet** weight basis.
- Labs report freeze-dried samples on a **Dry** weight basis.
- If you are submitting samples reported on a dry weight basis, also submit the Percent Solids data.

Common Result Parameters	Field Collection Type (Column D)	Result Basis (Column AV)
All chemistry sample parameters	Sample	Wet Dry , if freeze-dried
Percent Solids	Sample	Wet

Water Samples

- Leave Result Basis blank for all water data.

Result Parameter Name (Column AH)	Field Collection Type (Column D)	Result Basis (Column AV)
All parameters	Sample or Measurement	Leave Blank

Document Revision History

Revision Date	Revision No.	Summary of Changes	Reviser(s)
7/30/2009	1.0	Original Document	CN
10/01/2008	1.1	Updated references to spreadsheet column headings per data model change	CN
11/06/2009	1.2	Updated references to spreadsheet column headings per data model change	CN, CL
1/11/2010	1.3	Added info about ash-free dry weight	CN
8/1/2013	2.0	Name and functional changes from Measurement Basis to Result Basis	KC, CN
10/31/2025	3.0	Updated/clarified business rules and accessibility.	CN, KC, BF