



6390 Joyce Drive
#100
Golden, CO 80403

PHONE 303-940-0033
FAX 303-940-0043
www.wibby.com

Instructions for: **SOIL/HW California WET Metals (cat # PT-CAWETMET-SOIL)**

SCOPE AND APPLICATION

Wibby Environmental's SOIL/HW CA WET Metals Proficiency Testing Standard is designed to be extracted using USEPA Method 1311 followed by analysis for any or all of the metals listed on the data reporting sheets. If you have any questions about the use of this standard, please contact Wibby Environmental Customer Service at 1-866-WibbyPT (866-942-2978).

SAMPLE PREPARATION AND ANALYSIS

1. For best results, the PT standard should be stored and used at room temperature (near 20°C).
2. The California WET Metals standard includes two separate containers, a vial containing Blank Soil Matrix and a second vial containing the California WET Metals concentrate.
3. Open the Blank Soil Matrix vial and transfer 5 g of the matrix to your extraction vessel. Carefully open the vial containing the California WET Metals concentrate and transfer exactly 5.0 mL of the PT concentrate onto the Blank Soil Matrix in the Extraction vessel and mix thoroughly.
4. As specified in the California WET method add 50 mL (10X the sample size of 5 g) of extraction fluid into the extraction vessel.
5. The standard is now ready for extraction and analysis per the selected method(s).

REPORTING RESULTS

1. Report all results on line at www.wibby.com. Click on the "Online data entry link" and follow the instructions to enter your results.
2. Report results to three significant figures.
3. Report your results to three significant figures in mg/L of CA WET extraction fluid.

4. As an alternative, you may report your results using the Data Reporting Sheets enclosed with your standards. FAX your results to Wibby Environmental at 866-283-0269 or mail the results to Wibby Environmental, 6390 Joyce Drive, #100, Golden, CO, 80403.
5. Wibby Environmental must receive all results prior to the study closing date shown on the Data Reporting Sheets.

SAFETY

These standards are designed for use by laboratory professionals who are familiar with handling environmental reference materials as well as hazardous materials. If you have any questions about the safe handling of these standards or require a Material Safety Data Sheet (MSDS,) please contact Wibby Environmental at 303-940-0033.

QUESTIONS?

If you have any questions regarding these standards or reporting requirements, please call Wibby Environmental at 1-866-WibbyPT (866-942-2978).

Soil / Hazardous Waste PT Concentration Ranges and PTRLs

Definitions:

PTRL

NELAC Proficiency Testing Reporting Limits (PTRLs) are provided as guidance to laboratories analyzing NELAC PT samples. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRLs shown. (REF: NELAC PT FOT Tables)

NA

Not Applicable (NA) has been applied to analytes where a PTRL is not applicable and to state specific analytes that have not had a PTRL determined by the applicable accrediting agency.

California WET Metals (PT-CAWETMET-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
Additional State Specific Analytes				
1000	Aluminum	mg/L	2.00 - 40.0	NA
1005	Antimony	mg/L	0.900 - 10.0	NA
1010	Arsenic	mg/L	0.700 - 10.0	NA
1015	Barium	mg/L	1.00 - 25.0	NA
1020	Beryllium	mg/L	0.0500 - 10.0	NA
1025	Boron	mg/L	8.00 - 20.0	NA
1030	Cadmium	mg/L	0.0500 - 10.0	NA
1040	Chromium	mg/L	0.100 - 10.0	NA
1050	Cobalt	mg/L	0.200 - 10.0	NA
1055	Copper	mg/L	0.400 - 10.0	NA
1070	Iron	mg/L	2.00 - 40.0	NA
1075	Lead	mg/L	0.500 - 30.0	NA
1090	Manganese	mg/L	0.500 - 40.0	NA
1100	Molybdenum	mg/L	0.500 - 6.00	NA
1105	Nickel	mg/L	0.500 - 30.0	NA
1140	Selenium	mg/L	0.500 - 20.0	NA
1150	Silver	mg/L	0.200 - 6.00	NA
1160	Strontium	mg/L	0.300 - 3.00	NA
1165	Thallium	mg/L	0.500 - 10.0	NA
1185	Vanadium	mg/L	0.500 - 20.0	NA
1190	Zinc	mg/L	1.00 - 20.0	NA