

## C39 METALS/ANIONS/Cyanide IN SOIL (TCLP)

### 1.0 Sample Reception

- 1.1 The samples are provided as 2 x 125 mL concentrates for metals (C39-1 Metals and C39-2 Metals) and 2 x 125 mL concentrates for the other analytes (C39-1 NO<sub>3</sub>/F/CN and C39-2 NO<sub>3</sub>/F/CN). These are each to be leached separately. As well, two containers of blank sand (~800 g total) are provided.
- 1.2 All breakages and shortages must be reported within 24 hours of sample receipt.
- 1.3 Store samples at 4±2°C and in the dark upon receipt. Leach samples as soon as possible after receipt.
- 1.4 Check that all the parameters for which you are registered are correctly identified on the web data entry report page.
- 1.5 Inquiries regarding samples and their shipment may be directed to:

PT Non-conformances  
Phenova  
Tel: (866) 942-2978  
Fax: (866) 283-0269  
Email: TyG@phenova.com

cc: PT Canada, Program Administrator  
email: programadmin@PTcanada.org  
cc: Ken Middlebrook, PT Canada  
email: kmiddlebrook@PTcanada.org

Inquiries must be made by email only. Use the enclosed Nonconformance Form (see reverse) when notifying PT Canada of a problem with the samples. Please include your PT Canada laboratory number on all correspondence.

### 2.0 Sample Preparation

- 2.1 Each sample is provided as a concentrated solution to be spiked onto the provided blank soil prior to leaching. NOTE: There are two solutions for each sample, one for metals and one for Nitrate, Cyanide and Fluoride. These are each to be spiked and leached separately.
- 2.2 Add 50 mL of C39-1 Metals concentrate and 100 g of blank soil to your extraction vessel. Add 2000 mL of extraction fluid and leach immediately.
- 2.3 Repeat this process for C39-2 Metals, C39-1 NO<sub>3</sub>/F/CN and C39-2 NO<sub>3</sub>/F/CN.

### 3.0 Sample Analysis

- 3.1 Refer to PAR02 Catalogue for approximate concentration range.
- 3.2 Proceed with testing using the routine analytical method identified in your PT Canada application. Separation and particle size reduction is not required. Proceed under the assumption that the samples are 100% solids.

### 4.0 Reporting Results

- 4.1 Results must be reported by midnight of the study deadline (see the General Proficiency Testing Information sheet for details).
- 4.2 Report results using the units in the web-data-entry system.

### 5.0 Safety

- 5.1 The PT samples are designed for use by laboratory professionals familiar with environmental samples and potentially hazardous materials.

# PT SAMPLE NON-CONFORMANCE FORM

Attn: PT non-conformances

Study Number:

ENSURE THAT SAMPLES RECEIVED MATCH REPORT FORMS

## 1 - Laboratory Information

Contact Name:

Laboratory Name

Laboratory Address

Contact Telephone #

Contact Facsimile #

Contact e-mail:

## 2 - Sample Details

Date & Time of Arrival(YYYY,MM,DD,HH:MM):

Tracking Number:

Test Groups Received (e.g. C1, C2 etc.):

Number of Boxes:

## 3 - Description of Nonconformance

## 4 - Requested Action

## 5 - PT Provider Notes