

Announcement for Inter-laboratory Comparison on Manganese and Permanganate Index in Water 2020

Introduction

We hereby announce the 2nd Inter-laboratory Comparison on Water Quality Analysis, which is focused on the analysis of manganese (Mn) and permanganate index (COD_{Mn}) in water 2020. This activity is open to academic, regulatory as well as commercial laboratories world-wide, especially those from developing and emerging countries. The organizer of this project is CAS-TWAS Centre of Excellence for Water and Environment (CEWE), an affiliation of the Research Center for Eco-Environmental Sciences (RCEES), Chinese Academy of Sciences (CAS). This project is supported by Certification and Accreditation Administration of People's Republic of China (CNCA).

A draft report will be available by mid-December 2020, and the final report will be available to the participants by January 2021. All participants who have contributed to the results will receive a Certificate of Proficiency Testing in the activity.

Participants

We encourage all laboratories working in this field to participate and assess their analytical performance. To do this, participants are requested to fill out the [Registration Form](#) and mark the desired samples that you intend to determine.

We also include standard solutions of all analytes that should be analysed as solutions of known concentration, which may be used to check your own calibration solutions.

Test Samples

The test samples for manganese (Mn) is in concentrations of 0.10-1.50 mg/L with 2% nitric acid as matrix.

The test samples for permanganate index (COD_{Mn}) is in concentrations of 1.0-4.0 mg/L with 2% nitric acid as matrix.

The samples will be distributed by an international courier service to the participating laboratories.

Please Note:

In order to avoid delay or retention of the samples at customs, please inform us if there are import restrictions in your country for any of the samples.

Instructions for Analysis and Reporting

Further detailed instructions and reporting forms will be sent by e-mail simultaneously with the dispatch of the samples in August 2020.

The participating laboratories should:

- use your own standard operation procedures for pre-treatment and instrumental determination
- use your own reference standards for identification and quantification
- report one single concentration for each testing sample in each water matrix
- report determination limits for all measured analytes

Time Schedule

Announcement	June 25 th , 2020
Return of registration form	August 10 th , 2020
Shipment of test material	August 2020
Confirmation of receipt of test material by participant	within 7 days after receipt
<i>Reporting of test results</i>	<i>within 30 days after receipt</i>
Publication of draft report on web-site	December 2020
Final report available to all participants	January 2021

Participation Fee

The participation fee for any combination of the analytes in one item **is free**.

As the inclusion of the matrix is new this year, all recipients of this invitation are encouraged to spread the words to possibly interested laboratories!

Co-ordinating Group

SI Ludan
cas_twas@rcees.ac.cn
Phone: +86 10 62849800

ZHENG Bei
szfxsys@126.com
Phone: +86 10 62849135

E-mail Address

For all enquiries, please send by e-mail: cas_twas@rcees.ac.cn.

Postal Address:

Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences
18# Shuangqing Road, Haidian District, Beijing 100085, P.R.China,