YEAR 2022 CCIL CORRELATION

EXTRACTION AND GRADATION TEST (Alberta and Yukon)

One sample of hot mix asphalt identified as Material **I-III-V-EXT-x** and one sample of hot mix asphalt identified as Material **II-IV-VI-EXT-x** have been provided.

TESTING

On receipt of the Material I-III-V-EXT-x and Material II-IV-VI-EXT-x the two materials shall be tested (use complete sample) as per ASTM D2172 "Quantitative Extraction of Bitumen from Bituminous Paving Mixtures", using solvent (See **Note 1**). Sieve analysis of the resulting aggregate shall be carried out using ASTM D5444 "Mechanical Size Analysis of Extracted Aggregate", with the exception that reference to 75um sieve will be replaced with 0.080mm sieve.

Note 1: All solvents are reported to be toxic to some extent. Attention should be paid to the safety precautions and the use of proper safety equipment such as gloves, goggles, respiration masks and fume hoods.

The extracted aggregate shall be dried of all solvent, followed by water washing, drying and sieving. Laboratories shall report data calculated on the basis of total dried aggregate mass corrected for mineral fines in the extracts using in-house equipment.

The cumulative percentage of sample <u>passing</u> each of the required sieves shall be reported. The asphalt content for each sample shall be calculated and reported on the same form.

Note 2: Please identify the Extraction Method and Solvent Used by selecting from the dropdown feature on the Reporting Form.

All test results shall be reported online and submitted by Friday January 7 2022.

An example of a completed report form is shown on page 2.

Important Change for 2022: Your lab's worksheets must be submitted through the portal with your proficiency report. Please combine all worksheets for each portal report into a single pdf prior to uploading. You are required to keep all original worksheet hard copies in a secure dedicated location such as a sealed envelope that is available to CCIL upon request. Do not courier/mail/fax/e-mail the worksheets to CCIL.

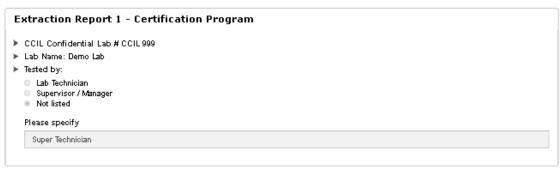
DO NOT send reports and worksheets by fax.

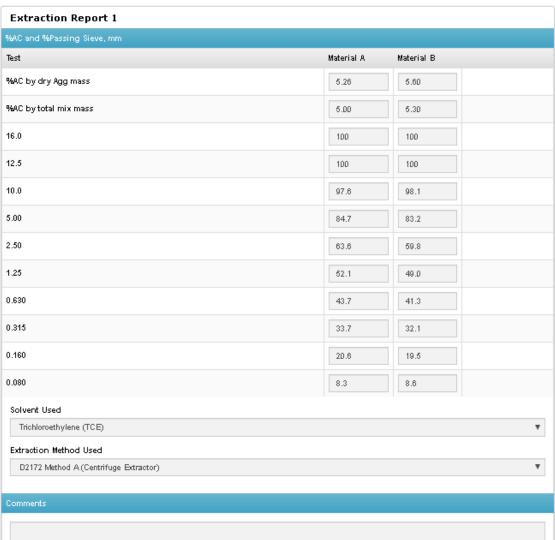
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2020 Asphalt Reporting Form Extraction





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