

The logo for AGAT Laboratories features the letters 'AGAT' in a large, bold, yellow font with a black outline. To the right of 'AGAT', the word 'Laboratories' is written in a smaller, black, serif font. On the far left, there is a partial view of a golden globe with a grid pattern.

Technical Bulletin on the Amendments to Ontario Regulation 153/04

AGAT Laboratories has actively participated in the Ontario Regulation 153/04 Analytical Technical Advisory Group, in concert with other Ontario-based analytical service providers and the Ontario Ministry of the Environment. This group has worked successfully with the Ontario Ministry of the Environment to ensure a higher level of consistency in laboratory approaches and in providing guidance on detection limits related to the proposed amendments to the regulation.

These amendments were passed into law on December 29th, 2009 and come into effect on July 1st, 2011. The amendments provide updated standards for approximately 120 chemicals. Should clients choose to adopt these standards now or at any time prior to the required date, below are some important items to be aware of when selecting the updated standard for analysis:

- Hexane, Trichlorofluoromethane and Dichlorodifluoromethane have been added to our standard Regulation 153 Volatile Organic Compounds (VOC) package at no additional charge. These three parameters will be reported as part of our routine VOC scan using Purge-and-Trap GC/MS in Full Scan Mode.
- 1,4-Dioxane is available as a custom VOC analysis by isotope dilution using GC/MS.
- Increases in the VOC standards for Table 1 will, in most cases, eliminate the requirement to perform direct purge Purge-and-Trap GC/MS analysis for low level detection limits. VOC analysis will, in most cases be performed on methanol extracts, however, it should be noted that low-level direct purge analysis will still be available upon request
- Uranium has been added to our standard Regulation 153 Metals package at no additional charge. This parameter will be analyzed by ICP-MS and reported as part of our routine metals scan.



**For other locations across Canada, please visit our website at www.agatlabs.com*





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- Total boron has been added to our Regulation 153 Metals package at no additional charge. This parameter will be analyzed by ICP-MS and reported with our routine metals scan.

Recommended sampling containers are available upon request to meet the requirements of the revised Analytical Protocol, which include:

- One additional 1-Litre amber glass bottle with Teflon-lined cap will be provided for Polycyclic Aromatic Hydrocarbons (PAHs) to provide the Qualified Person the option of submitting an additional sample for laboratory filtration prior to benzo(a)pyrene analysis.
- Two additional 43-ml amber glass vials with Teflon-septums will be provided for 1,4-Dioxane analysis.
- The collection of soil samples in vials that contain methanol has been suggested by some as a combined preservation and extraction procedure prior to subsequent VOC analysis by Purge-and-Trap GC/MS. To minimize the impact of holding time on VOC analyses, pre-loaded methanol amber glass sampling containers are available by request.

Enhanced Certificates of Analysis – All new standards are available for inclusion on Certificates of Analysis. AGAT Laboratories offers clients the option of including up to four standards (including standards from current, future or historical regulations) with automatic flagging (bold and italic) of exceedances. Required Reporting Limits will be present on all Certificates of Analysis that utilize the recently amended standards.

Enhanced Sample Integrity Report Program – AGAT Laboratories' Sample Integrity Report Program has been expanded to include a standard set of comments in the case narrative for Certificates of Analysis. For a standard set of comments and the pre-requisites for them to appear on the Certificates of Analysis, please contact your Client Project Manager. Sample Integrity Reporting forms a key component to the quarterly management reporting that is available to clients.

Technical Information Seminars – AGAT Laboratories mission statement is “*Service Beyond Analysis*”. AGAT Laboratories is pleased to provide technical information seminars at our state-of-the-art training facility or directly at the client's office. A Technical Information Seminar on the amendments to Ontario Regulation 153/04 is currently available for presentation by AGAT Laboratories. Important to note is that the presenter will be an AGAT Laboratories' representative that participated in the Ontario Regulation 153/04 Analytical Technical Advisory Group.

