STATUS DECISION OF CONTROLLED AND NON-CONTROLLED SUBSTANCE(S)

Substance: *p*-Xylene

Based on the current information available to the Office of Controlled Substances, it appears that the above substance is:

- Controlled ☐
- Not Controlled X

under the schedules of the *Controlled Drugs and Substances Act* (CDSA) for the following reason(s):

- The substance is not structurally similar to any of the substances included in the schedules to the CDSA.

Prepared by: __________________________________________ Date: ______________

Vincent Marleau

Verified by: __________________________________________ Date: ______________

Mark Kozlowski

Approved by: ________________________________________ Date: ______________

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: “third party information removed as per agreement with applicant”
Drug:  *p*-Xylene

**Drug Name Status:** *p*-Xylene is the common name.

**Chemical Name:** Benzene, 1,4-dimethyl-

**Other Names:** ,4-Dimethylbenzene; 1,4-Xylene; 4-Xylene; p-Dimethylbenzene; p-Methyltoluene.

**Chemical structure:**

![Chemical structure of *p*-Xylene](image_url)

**Molecular Formula:** $C_8H_{10}$

**CAS-RN:** 106-42-3

**Pharmacological class / Application:** Fine Chemical

**International status:**

US: *p*-Xylene is not listed specifically in the Schedules to the US *Controlled Substances Act* and is not mentioned anywhere on the DEA website.

United Nations: The substance is not listed on the Yellow List - List of Narcotic Drugs under International Control, the Green List - List of Psychotropic Substances under International Control, nor the Red List - List of Precursors and Chemicals Frequently Used in the Illicit Manufacture of Narcotic Drugs and Psychotropic Substances under International Control.

Canadian Status: *p*-Xylene is not listed in the schedules to the CDSA. The substance is used as a solvent in printing, paint thinner, plastic, pesticides, etc. and is similar in structure to toluene, which is listed as Item 6 in Part 2 of Schedule VI to the CDSA, however the analogues of toluene are not included in the listing. Accordingly, *p*-xylene cannot be included under Item 6 in Part 2 of Schedule VI to the CDSA. The substance is not structurally similar to any other substances listed in the schedules to the CDSA.

**Recommendation:** *p*-Xylene is not included in the schedules to the CDSA and is not a controlled substance.

**Date:** May 10th, 2012.