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EXAMINER _____

VIRGINIA

Cations Conditions Sheet

DEPARTMENT

Dionex ICS-5000 Series Ion Chromatograph with an AS-AP autosampler

Sample Loop: 25 μ L

OF

Columns: IonPac[®] CG12A Guard Column 2 mm i.d. x 50 mm

IonPac[®] CS12A Analytical Column 2 mm i.d. x 250 mm

FORENSIC SCIENCE

Column Packing: Carboxylic/phosphonic acid functionalized cation
exchanger on a divinylbenzene/ethylvinylbenzene
polymer substrate.

ICS-5000 EG Eluent Generator

ICS-5000 CD Conductivity Detector

Suppressor: Dionex Cation Self-Regenerating Suppressor CSRS 300 / CERS 500

Eluent Concentration Conditions:

<u>Time (min)</u>	<u>Concentration of Methanesulfonic acid (mM)</u>
0.0	20.0
15.0	20.0

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