GC Analysis for Virgin (Unused) Xylene
Preformed by the UIC Department of Chemistry

**Temperature**

101.3 °C

**Potential**

1.4 mV

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Experiment Specifications (GC 8700):

- Helium Pressure = 40 psi
- Attenuation = 2
- Column Temp = 95 (-140 °C)
- Detector Temp = High
- Polarity = Left (Carbowax)
- Amplification = 0-200mV

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**Temperature**

101.5 °C

**Potential**

1.4 mV
GC Analysis for Recycled Xylene
Preformed by the UIC Department of Chemistry

Experiment Specifications (GC 879):
- Helium Pressure = 40 psi
- Attenuation = 2
- Column Temp = 90 (140 C)
- Detector Temp = 450 C
- Pottery = Low (Catalyst)
- Amplification = 0.200mV

Temperature 102.6 °C
Potential 1.3 mV

(95.0, 97.2) (Δt:1.2 Δy:2.0)

Potential Integral: 453.7 s^2 mV

Temperature 102.6 °C
Potential 1.3 mV

(60.7, 156.7) (Δt:1.2 Δy:2.0)

Potential Integral: 2596 s^2 mV

GC Analysis for Waste Xylene
Preformed by the UIC Department of Chemistry

Experiment Specifications (GC 879):
- Helium Pressure = 40 psi
- Attenuation = 2
- Column Temp = 90 (140 C)
- Detector Temp = 450 C
- Pottery = Low (Catalyst)
- Amplification = 0.200mV

Temperature 101.5 °C
Potential 1.4 mV

Potential Integral: 444.4 s^2 mV

Temperature 101.3 °C
Potential 1.4 mV

(134.6, 135.5) (Δt:1.2 Δy:1.0)

Potential Integral: 2146 s^2 mV
NMR Analysis for Recycled Xylene
Preformed by the UIC Department of Pharmacy

- Waste Xylene
- Recycled Xylene
- Virgin (Unused) Xylene

UIC EHSO XYLENE RECYCLING PROGRAM