

**Reporting Title:** Toluene as Hippuric Acid, Occup, U**Performing Location:** Medtox Laboratories, Inc.**Specimen Requirements:**

10 mL aliquot of random or spot urine collected at end of shift. Send specimen refrigerated. Tubes should be filled to prevent loss of volatile compound into headspace.

**Specimen Minimum Volume:**

1.2 mL

Specimen Type	Temperature	Time	Special Container
Urine	Refrigerated (preferred)	14 days	
	Frozen	180 days	

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
Z1863	Creatinine	Alphanumeric		2161-8
Z1060	Hippuric Acid	Alphanumeric		6709-0
Z1061	Hippuric Acid	Alphanumeric		13754-7

LOINC and CPT codes are provided by the performing laboratory.

**Supplemental Report:**

No

**CPT Code Information:**

83921/Organic acid, single, quantitative

82570/Creatinine, other source

**Reference Values:**

Creatinine: >50 mg/cL

Hippuric Acid is a metabolite of toluene and benzyl alcohol.

Normal (unexposed population):

Average 0.8 g/L

Exposed:

Biological Exposure Index (BEI):

1.6 g/g creatinine

(toluene exposure: end of shift)

Toxic:

Not established