

**Chemical Information:**

Name: 2-Chloroanthraquinone  
CAS No.: 131-09-9 Supplier: Sigma Aldrich  
Tox21\_ID No.: Tox21\_202964 Lot No.: 03704AI  
NTP\_CID No.: 6589 MW: 242.66 g/mol

Date of Analysis: 16 March 2017

**Purity and Identity Results:**

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
2-Chloroanthraquinone	28.56	98.71
Unknown	29.24	1.29

<sup>a</sup> Peaks comprising ≥ 0.5% of total area.

**GC/MS Instrument Parameters:**

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Methanol
Column	Restek Rtx-5MS with Integra-Guard, 30 m x 0.25 mm ID, 1-μm film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	35°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 7 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	40 – 655 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μL / Splitless
Data Analysis Software	MassHunter GC/MS Acquisition B.07.02.1938 / MassHunter Qualitative Analysis B.07.00 Build 7.0.7024.0 / NIST Library Version 2.2 Build 2014

x10<sup>7</sup> + TIC Scan 20170316\_MSD11\_036.D

