

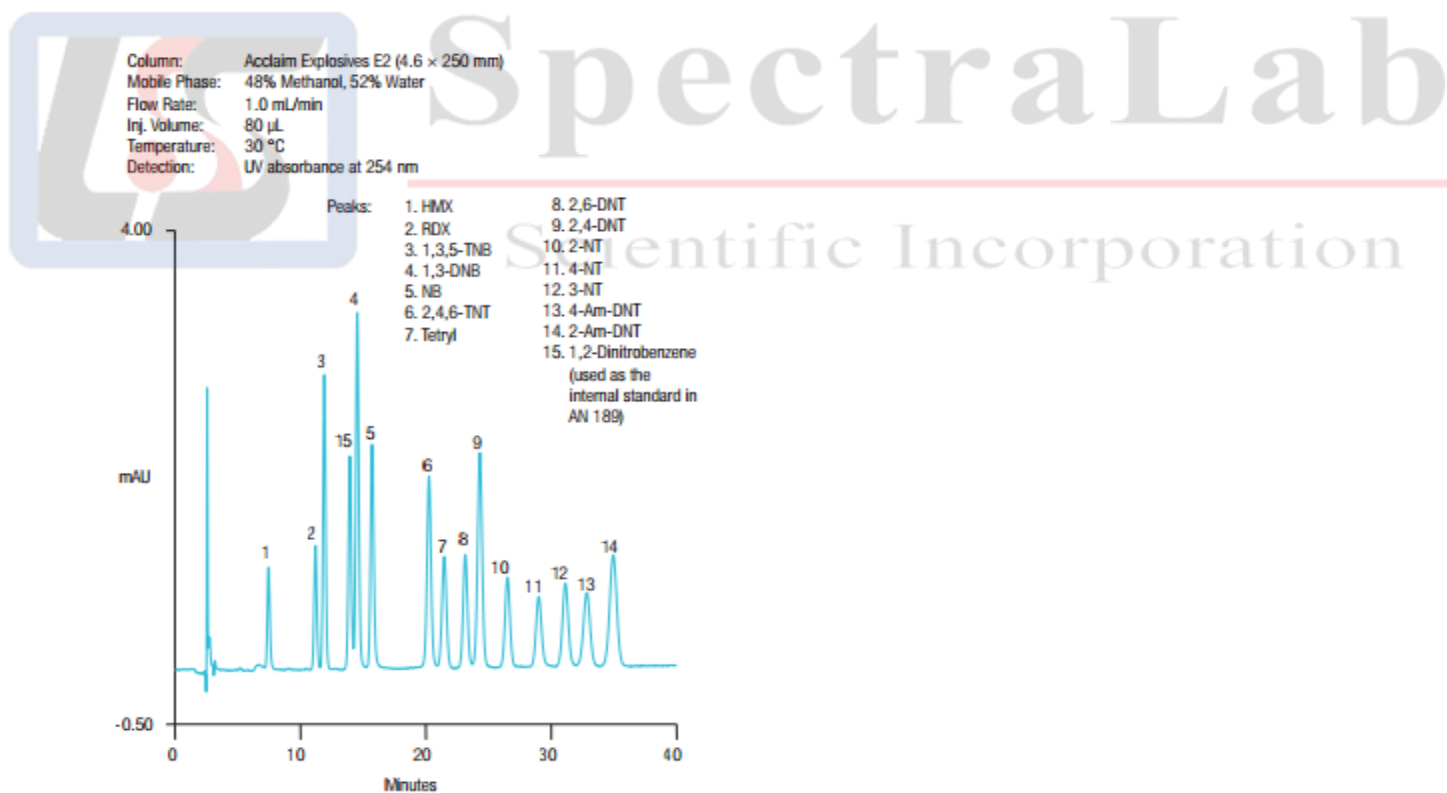
ISO 11916-2 Soil quality – Determination of selected explosives and related compounds – Part 1: Method using high-performance liquid chromatography (HPLC) with ultraviolet detection

Instrument: [Dionex Ultimate 3000 HPLC system with Dinex UVD 340U](#)

Abstract

ISO 11916-1:2013 specifies the measurement of explosive and related nitrocompounds in soils and soil materials. ISO 11916-1:2013 is intended for the trace analysis of explosives and related compounds by high-performance liquid chromatography (HPLC) using an ultraviolet (UV) detector.

Under the conditions specified in ISO 11916-1:2013, concentrations as low as 0,1 mg/kg to 1 mg/kg dry matter can be determined, depending on the substance. Similar compounds, in particular various nitroaromatics, by-products and degradation products of explosive compounds may be analyzed using this method. However, the applicability should be checked on a case-by-case basis.



References:

http://www.iso.org/iso/catalogue_detail.htm?csnumber=54342

http://www.dionex.com/en-us/webdocs/114778-AN1066-HPLC-Explosive-Compounds-Water-AN70745_E.pdf