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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3234-2012

Determination of arsenic and lead content in condensate oil. Graphite furnace atomic absorption spectrometry

凝析油中砷和铅含量测定 石墨炉原子吸收法

(English Translation)

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

This standard is proposed and managed by the National Certification and Accreditation Administration Committee.

This standard was drafted. People's Republic of China Guangdong CIQ.

1 Scope

This standard specifies the method by graphite furnace atomic absorption spectrometry condensate of trace arsenic and lead.

This standard applies to the determination of condensate in the lead content of arsenic. Measuring range. Arsenic 25μg/L ~ 350μg/L; lead 25μg/L ~ 400μg/L.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 4756 petroleum liquids hand sampling method Laboratory use specifications and test methods GB/T 6682 Analysis JJG694 atomic absorption spectrophotometer SN/T 0826 import and export of petroleum and liquid petroleum product sampling (grab sample)

3 Terms and Definitions

The following terms and definitions apply to this document.

Condensate when crude oil, also known as condensate, crude oil or wet gas mining, oil gathering and transportation of associated gas or compressed natural gas cooling, some light Hydrocarbons condensed into liquid hydrocarbons in the country called condensate, in

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a foreign country called natural gasoline.

Principle 4

Sample added iodine oxidation of various forms of organic arsenic and organic lead, with 10% nitric acid to arsenic and lead extracted into the aqueous phase, into the original graphite furnace Sub absorption spectrometer detection.

5 Reagents

Unless otherwise indicated, the reagents used were of analytical grade, water as a secondary water GB/T 6682 regulations.

5.1
iodine.

5.2
xylene.

5.3
oil-soluble demulsifier, crude oil dehydration with industrial polymer demulsifier, selected models should be tried for breaking analysis of condensate oil.

5.4
magnesium nitrate.

5.5
Hydrogen peroxide (30%).

5.6
lead standard solution (1000mg/L), the use of certified reference materials.

5.7
arsenic standard solution (1000mg/L), the use of certified reference materials.

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