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Summary

Vitas is a GMP certified chemical analysis contract lab, with 20 years experience in providing a high quality, custom chromatographic analytical service based on cutting-edge knowledge and technology. Our vision is to build a growing, state-of-the-art, analytical contract laboratory by consistently exceeding our customers' expectations for scientific value, service, technical execution, quality and compliance.

VITAS is striving in providing state-of-the-art scientific services in the field of biotech, food production, drug discovery, research and manufacturing support to promote a better and healthier life.

For further details, please visit our website at www.vitas.no or contact me.

Experience



Senior Scientific Researcher

as Vitas - Analytical Pharma Services

Apr 2012 - Present (10 years 5 months +)

METHOD DEVELOPMENT & VALIDATION:

Extensive experience with method development using liquid chromatographic techniques. Extensive experience with mass spectrometry and UV detection.

LIPIDOMICS

Establishing methods (qualitative and quantitative) to analyse various classes of neutral lipids, phospholipids and sphingolipids using mainly Time of Flight mass spectrometry hyphenated with an UPLC system. Gas chromatography coupled to FID or MS is also used.

Developed the lipidomic platform at Vitas.

PHARMACEUTICAL PROJECTS

Qualitative work Regarding peak impurity identification in cream/ointment using LC-DAD-TOF.

Method development and validation of assays for API quantification using ICP-MS.

Method development and validation of detection and quantifying nitrosamines in tablets/injection solutions using high-end LC-MS/MS.

AUTOMATION

Experience in method development using Hamilton robotics used for high throughput sample preparation. Experience in use of Hamilton robotics and Dried Blood Spot (DBS) puncher.

OIL FIELD SERVICES

Developed and established the Scaleomics platform. A highly advanced tool for developing methods for multiple residual scale inhibitor analysis. A multitude of combinations of scale inhibitors can be investigated extremely efficiently without performing costly and time consuming method development.

Developing assays for multiple scale inhibitor analysis. Several assays have been developed for the oil field service industry using highly advanced instrumentation and market leading technology (the Scaleomics platform).



Board Member

NORSK KJEMISK SELSKAPS FAGGRUPPE FOR ANALYTISK KJEMI (NKS-FAK)

Feb 2017 - Present (5 years 7 months +)

The Scientific committee of analytical chemistry was founded in 1968. The main objective is to facilitate interdisciplinary collaboration within analytical chemistry and in addition enhance the interest for analytical chemistry in general.



Method specialist

Fürst Medisinsk Laboratorium

Aug 2009 - Apr 2012 (2 years 9 months)

Method development - analytic chemistry
using chromatographic methodology and mass spectrometric detection

Method development - Hamilton robotics

ANALYTICAL METHOD DEVELOPMENT

Method development regarding quantitative analysis of methylmalonic acid (MMA) in urine. The method was validated and implemented.

SAMPLE PREP. USING HAMILTON ROBOTICS

Responsible for maintenance and method development of methods for sample preparation with Hamilton robotics. The work included method development for Vitamin D and MMA sample preparation using 96-well microtiterplate platform.



Technical assessor

Norwegian Accreditation

2007 - Apr 2012 (5 years 4 months)



Quality assurance

Norwegian Institute of Public Health

Apr 2007 - May 2009 (2 years 2 months)

Quality manager for the laboratory.

Maintaining quality system according to the international standard NS-EN ISO 17025.

Education



University of Oslo (UiO)

Ph.D., Analytical Chemistry

2003 - 2007



University of Oslo (UiO)

M. Sc., Analytical Chemistry
1999 - 2003

Skills

Analytical Chemistry • Chromatography • Chemistry • Mass Spectrometry • Sample Preparation •
HPLC • Quality Assurance • LC-MS • Method Development • GMP