



Symposium on Perchlorate: Exposures from Food and the Environment

Sponsored by ASTM Committee D18 on Soil and Rock

February 9, 2006
Hyatt Regency Phoenix
Phoenix, Arizona

Symposium Chairman: Keith Hoddinott
U.S. Army
Aberdeen, Maryland
USA

THURSDAY, FEBRUARY 9, 2006

8:15 AM

Opening Remarks

K. Hoddinott, Symposium Chairman

8:20 AM

Welcome Remarks

J. A. Horton, Chairman, Committee D18

8:30 AM

The Occurrence of Perchlorate in Public Drinking Water Systems

P. Brandhuber and S. Clark, One Company/Many Solutions, Denver, Colorado, USA

9:05 AM

Perchlorate Fate and Transport

E. Urbansky, USAF, Pensacola, Florida, USA

9:40 AM BREAK

10:10 AM

Perchlorate Occurrence in Surface Waters, Groundwater, and Biota of the North-Central and Southwest USA

G. Linder, USGS, Brooks, Oregon, USA

10:30 AM

Occurrence, Distribution, and Evaluation of Regional Sources of Perchlorate in the Lower Umatilla Basin Oregon Groundwater Management Area

H. Craig, K. Marcy, C. Black, C. Kelly, and K. Parker, U. S. EPA, Seattle, Washington, USA;
and P. Richardson, J. Dadoly, M. Anderson, S. Monroe, Oregon, DOEQ, Portland, Oregon, USA

10:50 AM

Development of a Method for Quantifying and Confirming Perchlorate Even in High Salt Matrices, Down to the Part-Per-Trillion (ng/L) Level

D. Later, B. Richter, R. Slingsby, and R. J. Joyce, Dionex Corporation, Sunnyvale, California, USA

11:10 AM

Questions and Answers

11:30 AM LUNCH (On Your Own)

12:50 PM

Comparison of Sample Preparation Techniques for Perchlorate in Foods

R. Burrows and C. Craig, Severn Trent Laboratories, Arvada, Colorado, USA

1:10 PM

Determination of Perchlorate by Ion Chromatography in Soil, Vegetation and Milk using Accelerated Solvent Extraction with Integrated Clean-up

S. Henderson, E. S. Francis, R. E. Carlson and B. J. Murphy, Dionex Salt Lake City Technical Center, Salt Lake City, Utah, USA

1:30 PM

The Determination of Perchlorate in High Dissolved Solids Water Matrix Using Liquid Chromatography with Mass Spectrometry Detection and Confirmation

J. Krol, Waters Corporation, Milford, Massachusetts, USA

1:50 PM

Trace Level Determination of Low Level Anions including Perchlorate in Explosive Residues by Tandem Suppressed Conductivity and Mass Spectroscopy

J. Gandhi, Metrohm-Peak, Incorporated, Houston, Texas, USA

2:10 PM

Assessing Human Exposure to Perchlorate through Biomonitoring

B. Blount, L. Valentin, and D. Ashley, CDC, Atlanta Georgia, USA

2:30 PM

Questions and Answers

2:45 PM

BREAK

3:15 PM

Desert Vegetation as a Potential Indicator for Widespread Perchlorate in Arid Environments

G. Harvey, USAF, Wright-Patterson Air Force Base, Ohio, USA; A. Jackson, S. Dasgupta, T. Anderson, Texas Tech University, Lubbock, Texas, USA; G. Orris and B. Andraski, USGS, Brooks, Oregon, USA

3:35 PM

Perchlorate Accumulation and Potential Exposure From Durum Wheat Irrigated with Colorado River Water

C. A. Sanchez, R. I. Krieger, and Khandaker, University of Arizona, Yuma, Arizona, USA

3:55 PM

Perchlorate Concentrations in Homegrown Foodstuffs

D. Homer, Tetra Tech EM, Incorporated, Lenexa, Kansas, USA; D. Walsh and K. Limesand, Kansas Department of Health and Environment, Topeka, Kansas, USA; E. Morton and H. Ellis, Tetra Tech EM Incorporated, Chicago, Illinois, USA

4:15 PM

Questions and Answers

4:45 PM

Closing Remarks

K. Hoddinott, Symposium Chairman

4:50 PM

SYMPOSIUM ADJOURNS