



SPRING Edition

# The NEW Voice of KaizenLAB

Heading into the start of the second quarter, we at KaizenLAB are looking forward to another year serving Western Canada's analytical needs. After 18 years in operations we have had the opportunity to work with many great partners as a service provider and want to continue to build upon this network. In a step towards that goal, we have decided to distribute a KaizenLAB newsletter so that we are able to keep our supporters informed in what is happening with our company. The KaizenLAB Newsletter will also be a forum to discuss items that not only impact the analytical community but the diverse communities of clientele.

The KaizenLAB Newsletter will be circulated every two months and will be sent electronically through your email. Should you have a colleague that would like to be added to our mailing list please contact our Sales Manager Jayce Nagie at [jnagie@kaizenlab.ca](mailto:jnagie@kaizenlab.ca). We would also like to hear from you on your commentary on how you feel the climate of the industry is changing, current environmental concerns or breakthroughs, as well as feedback on how we can better serve your analytical needs. This newsletter is not only an opportunity for us to share but for the community to communicate and educate each other on topics that effect us all.

We would like to thank everyone for their support along the way and are looking forward to sharing our progress with you along the way!



KaizenLAB team

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## Natural Gas: The Extraction Conflict



This natural gas line is just one of many that is in operation across North America.

Described by New York times as this century's gold rush, natural gas has been deemed the solution to North America's dependency on foreign fuel sources. With the recent development of new extraction techniques, drilling companies have been

able to tap into this enormous reserve.

Those who are often the strongest adversary again oil companies, the environmental community has also seen advantages in the natural gas movement. The shift towards natural gas consumption will bring a cleaning burning fuel as opposed to coal or oil; ultimately effects climate control in a more positive manner. Another cheerleader for natural gas is our acting governments, American lawmakers foresee an increase in employment surrounding the drilling of natural gas

which would be a needed boost to the country's economy.

Despite the praise being received by natural gas wave, there are still concerns that are resulting from the extraction process. Natural gas is extracted through a process called High Volume Horizontal Hydraulic Fracturing or Hydrofracking. The process can cause high environmental risks resulting from the high volumes of wastewater released.

## Under the Microscope: Kaizen LAB Services

Over the last two years, KaizenLAB has implemented a large number of analytical methods, making it one of the most comprehensive laboratories and a truly full-service environmental laboratory. This also consolidates KaizenLAB's position as the fastest growing laboratory in Western Canada.

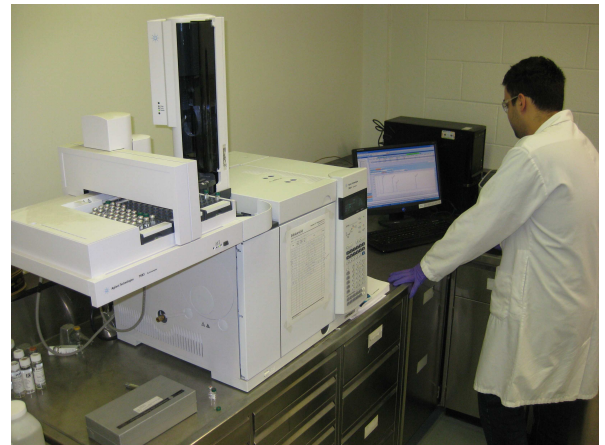
Some of the testing services developed in the last few years are:

Pesticides in water  
 Amines in soil and water  
 Glycols in soil and water  
 Phenols in water  
 Elemental Sulphur in soil  
 Dissolved Gases in water (N<sub>2</sub>, O<sub>2</sub>, CO<sub>2</sub>, C<sub>1</sub>, C<sub>2</sub>...)  
 Alkylated Polycyclic Aromatic Hydrocarbons in soil and water  
 Cyanide in water  
 Bromate in water  
 Microcystin in water  
 Atterberg limit for soils  
 Ultra low level VOC scan in soil (to meet Alberta Tier I Guidelines)

Not only has KaizenLAB expanded its range of services, but at the same time it has developed a system and an organization that produces the fastest turnaround times in the industry. Having multiple, very experienced analysts for each test, in combination with an outstanding internal communication system to coordinate work has allowed clients facing emergencies know they can rely on KaizenLAB 24/7 to get the job done on time.

**For complete details on KaizenLAB's analytical services call us at (403) 297-0868 or visit our website at [www.kaizenlab.ca](http://www.kaizenlab.ca)**

**KaizenLAB has recently acquired an additional Gas Chromatograph. Organic Analysis Team Leader, Chris DeFreitas is seen here working with the GC**



## KaizenLAB's Drilling Waste Testing Services - Personalized and Fastest!

KaizenLAB understands the drilling waste management market very well. With more than 17 years of experience in the testing of drilling waste, KaizenLAB is well equipped to offer the timely and personalized service for drilling waste samples. The regular turnaround time is 3 working days. Same day, weekend and after hours services are also available.

The parameters tested include:

- **Salinity**
- **Microtox Toxicity Testing**
- **Atterberg Limits**
- **CCME Petroleum Hydrocarbons**
- **Total Extractable Hydrocarbons**

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