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# Mobile Laboratory Capabilities

Full service laboratory results available for your project on-site



Success Through Science®

**Maxxam**  
A Bureau Veritas Group Company

# MOBILE LABORATORY CAPABILITIES

**More Value, Less Risk, Reduced Total Project Cost.** With over 20 years of successful field deployments covering hundreds of projects in 4 Provinces and 2 Territories, Maxxam is the Canadian market leader in mobile laboratory services. Maxxam mobile laboratories can assist with:

- **Complex and capital intense projects**
- **Time sensitive projects**
- **Remote sites**
- **High profile cases**
- **Limited on-site storage capabilities**
- **When laboratory results are on the project's critical path.**

## **Full Range of Services On-site**

All required core organic and inorganic tests are offered by the mobile lab including BTEX, F1-F4, PAH, EC, Chloride in water and soil samples. Enhanced Biogenic cleanup for CCME (F2-F4) also available.

## **Accreditation**

Maxxam mobile laboratory results meet and exceed applicable AB and CCME Standards, and all methods are fully validated and accredited for specific tests by CALA, under ISO 17025.

## **Quality Assurance**

Maxxam's comprehensive QA/QC program is followed by all Mobile Lab units. All regular QC field and laboratory components are included within the program.

## **Safety and Certificates**

All safety supplies are available in the mobile lab, including full PPE, first aid kit, fire extinguishers, masks, bear deterrent, eye wash, two-way radio, GPS SPOT device, and gas monitor. Mobile lab staff are certified with WHIMIS, TDG, and Level 1 First Aid with AED, Highway Defensive Driving, and H2S Alive.

## **Real Data in Real Time**

Save time packing and shipping samples to the lab. With a dedicated capacity to generate results on-site, the Mobile Lab empowers customers to expedite key decisions with quick turn-around time. Priority result samples can be provided within the hour.

- **Real time data delivery - reports generated with every batch on demand**
- **Reporting can be adjusted to project specific requirements**
- **Automated overnight analysis can be used to direct next day's activities**

# DETECTION LIMITS AND CAPABILITIES

SOIL		WATER	
BTEX/ F1	DLs (mg/kg)	BTEX/F1	DLs (µg/L)
Benzene	0.005	Benzene	0.0004
Toluene	0.05	Toluene	0.002
Ethylbenzene	0.01	Ethylbenzene	0.0004
M&P - Xylene	0.2	M&P - Xylene	0.004
O - xylene	0.2	O - xylene	0.002
Total Xylenes	0.2	Total Xylenes	0.004
F1 (C6-C10)	12	F1 (C6-C10)	0.1
<b>F2-F4</b>	<b>RDL</b>	<b>F2-F4</b>	<b>RDL</b>
F2 (C10-C16)	25	F2 (C10-C16)	100
F3 (C16-C34)	50	F3 (C16-C34)	200
F4 (C34-C50)	50	F4 (C34-C50)	200
<b>INORGANICS</b>		<b>INORGANICS</b>	
Chloride (Soluble)	20 mg/L	Chloride	2 mg/L
Electrical Conductivity (Soluble)	0.02 mS/cm	Electrical Conductivity	1 µS/cm
Percent Saturation	1%		
<b>PAHs</b>	<b>SOIL (mg/kg)</b>	<b>PAHs</b>	<b>WATER (µg/L)</b>
Acenaphthene	0.005	Acenaphthene	0.1
Acenaphthylene	0.01	Acenaphthylene	0.1
Acridine	0.004	Acridine	0.2
Anthracene	0.005	Anthracene	0.01
Benz(a)anthracene	0.005	Benz(a)anthracene	0.0085
Benzo(b&j)fluoranthene	0.005	Benzo(b&j)fluoranthene	0.0085
Benzo(k)fluoranthene	0.005	Benzo(k)fluoranthene	0.0085
Benzo(g,h,i)perylene	0.005	Benzo(g,h,i)perylene	0.0085
Benzo[c]phenanthrene	0.005	Benzo[c]phenanthrene	0.05
Benzo[a]pyrene	0.005	Benzo[a]pyrene	0.0075
Benzo[e]pyrene	0.005	Benzo[e]pyrene	0.05
Chrysene	0.005	Chrysene	0.0085
Dibenz[a,h]anthracene	0.005	Dibenz[a,h]anthracene	0.0075
Fluoranthene	0.005	Fluoranthene	0.01
Fluorene	0.005	Fluorene	0.05
Indeno[1,2,3-cd]pyrene	0.005	Indeno[1,2,3-cd]pyrene	0.0085
2-Methylnaphthalene	0.005	2-Methylnaphthalene	0.1
Naphthalene	0.005	Naphthalene	0.1
Phenanthrene	0.005	Phenanthrene	0.05
Perylene	0.005	Perylene	0.05
Pyrene	0.005	Pyrene	0.02
Quinoline	0.01	Quinoline	0.2



# Count on Maxxam as your partner in science

Maxxam is the Canadian market leader in analytical services and solutions to the energy, environmental, food and DNA industries and a member of the Bureau Veritas Group of companies – a world leader in testing, inspection and certification services. We support critical decisions made by our customers through the application of rigorous science and the knowledge and expertise of our over 2,500 employees.

[maxxam.ca/mobile-lab](http://maxxam.ca/mobile-lab)

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