



Table 2. Edmonton Site 1

Parameter	Applicable Standard	July 20, 2018	August 15, 2018	September 12, 2018	November 6, 2018
Benzene	0.005 mg/L	1.52 mg/L	0.7 mg/L	0.517 mg/L	0.214 mg/L
Toluene	0.024 mg/L	0.0136 mg/L	0.0038 mg/L	0.0012 mg/L	0.0036 mg/L
Ethylbenzene	0.0016 mg/L	0.519 mg/L	0.194 mg/L	0.127 mg/L	0.0281 mg/L
Xylenes	0.02 mg/L	0.273 mg/L	0.114 mg/L	0.038 mg/L	0.013 mg/L
C6-C10	2.2 mg/L	1.6 mg/L	0.5 mg/L	0.4 mg/L	<0.1 mg/L
C10-C16	1.1 mg/L	6.3 mg/L	1.8 mg/L	0.4 mg/L	0.2 mg/L
C16-C34	-	51.6 mg/L	0.9 mg/L	0.2 mg/L	-
C34-C50	-	13.3 mg/L	1.8 mg/L	<0.1 mg/L	-

- This site is a commercial property in Edmonton, Alberta, where hydrocarbon contamination from refined fuels was present in the groundwater below a parking area. Remediation is being completed while the site remains operational.

- Solution:**

- In situ bioremediation was implemented using a combination of electrokinetics, biosurfactants, and hydrocarbon degrading bacteria and fungi. **EKOGRID™** was used for transport under the paused parking area and for remediation.

- Results:**

- The site is undergoing long-term remediation and significant decreases in hydrocarbon concentrations have been observed in the groundwater.

# Case 2: Edmonton Commercial Lot, Canada