

North Saskatchewan River Release

Sample Date	Sample Time	Location	Sample Type	ID	Lab	Substance	Result	Unit
<b>WSA Surface Foam Sampling</b>								

**Prince Albert**

28-Jul-16	7:30	N Sask near P.A. Water Intake	Surface Foam	22653	SRC	Pyrene	0.01	mg/kg
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Note: This sample was only analyzed quantitatively for PAHs (not extractable hydrocarbons or BTEX).

The extract was analyzed to detect the presence of hydrocarbons and F2-F4 hydrocarbons were detected at around 300 mg/kg

**James Smith Cree Nation**

18-Aug-16	17:00		Surface Foam	25426	SRC	2-Methylnaphthalene	0.05	mg/kg
						Anthracene	0.01	mg/kg
						Benzo(a)anthracene	0.01	mg/kg
						Benzo(a)pyrene	0.03	mg/kg
						Benzo(e)pyrene	0.01	mg/kg
						Benzo(k)fluoranthene	0.04	mg/kg
						Chrysene	0.04	mg/kg
						Fluoranthene	0.01	mg/kg
						Fluorene	0.01	mg/kg
						Naphthalene	0.03	mg/kg
						Phenanthrene	0.07	mg/kg
						Pyrene	0.02	mg/kg
						F3 Hydrocarbons	160	mg/kg
						F4 Hydrocarbons	23	mg/kg
						1-Methylnaphthalene	0.02	mg/kg
						2-Methylnaphthalene	0.03	mg/kg

26-Aug-16	11:30	N Sask at James Smith Cree Nation	Surface Foam	26456	SRC	Anthracene	0.01	mg/kg
						Benzo(a)pyrene	0.02	mg/kg
						Benzo(e)pyrene	0.05	mg/kg
						Benzo(k)fluoranthene	0.02	mg/kg
						Chrysene	0.02	mg/kg
						Fluoranthene	0.01	mg/kg
						Fluorene	0.01	mg/kg
						Naphthalene	0.02	mg/kg
						Perylene	0.02	mg/kg
						Phenanthrene	0.03	mg/kg
						Pyrene	0.01	mg/kg
						Quinoline	0.07	mg/kg
						F3 Hydrocarbons	83	mg/kg
						F4 Hydrocarbons	48	mg/kg
26-Aug-16	13:00		Surface Foam	26456	SRC	1-Methylnaphthalene	0.03	mg/kg
						2-Methylnaphthalene	0.04	mg/kg
						Benzo(b)fluoranthene	0.04	mg/kg
						Benzo(e)pyrene	0.03	mg/kg
						Benzo(g,h,i)perylene	0.03	mg/kg
						Benzo(k)fluoranthene	0.05	mg/kg
						Chrysene	0.03	mg/kg
						Fluoranthene	0.02	mg/kg
						Naphthalene	0.03	mg/kg
						Perylene	0.2	mg/kg
						Phenanthrene	0.07	mg/kg
						Pyrene	0.02	mg/kg
						F2 Hydrocarbons	9.9	mg/kg
						F3 Hydrocarbons	150	mg/kg
F4 Hydrocarbons	76	mg/kg						

Saskatchewan Research Council - Environmental Analytics Laboratories  
 Legal sample continuity protocol followed.

Contaminant	Detection Limit (mg/kg)
	SRC ug/g and mg/kg
Benzene	0.1
Ethylbenzene	0.1
m+p-Xylene	0.1
o-Xylene	0.1
Total Xylene	0.1
Toluene	0.1
2-Methylnaphthalene	0.1
Acenaphthene	0.01
Acenaphthylene	0.01
Anthracene	0.01
Benzo(a)anthracene	0.02
Benzo(a)pyrene	0.1
Benzo(b)fluoranthene	0.1
Benzo(e)pyrene	0.1
Benzo(g,h,i)perylene	0.1
Benzo(k)fluoranthene	0.1
Chrysene	0.02
Dibenzo(a,h)anthracene	0.1
Fluoranthene	0.01
Fluorene	0.01
Indeno(1,2,3,-c,d)pyrene	0.1
Naphthalene	0.01
Perylene	0.1
Phenanthrene	0.01
Pyrene	0.01
Quinoline	0.1
Hydrocarbons, F1	10
Hydrocarbons, F2	3.9
Hydrocarbons, F3	5
Hydrocarbons, F4 (C32-C50)	5

Note: Some detection limits were raised due to high moisture content of the samples