

North Battleford - F.E. Holliday Surface Water Treatment Plant monitoring results.

Sample Location	Sample Date	Benzene	Ethylbenzene	m- + p-Xylene	o-Xylene	Toluene	Total Xylenes	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Acridine	Anthracene	Benzo(a)anthracene	Benzo(b)fluoranthene + Benzo(j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzo[a]pyrene	Pyrene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Quinoline	F1 (CCME): (C6-C10) (less BTEX)	F2 (CCME): (C10-C16)	F3 (CCME): (C16-C34)	F4 (CCME): (C34-C50)
		(mg/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
WTP#2 Raw Well Water	21-Jul-16	<0.0002	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	<0.05	<0.05	<0.05
WTP#2 Raw Well Water <sup>1</sup>	25-Jul-16	<0.0002	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	<0.05	<0.05	<0.05
WTP#2 Raw Well Water <sup>1</sup>	15-Dec-16	<0.0002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.00005	<0.00005	<0.00005	-	<0.00005	<0.00002	<0.0005	<0.0005	<0.0005	<0.00001	<0.00002	<0.0001	<0.0005	<0.00005	<0.00005	<0.0005	<0.00005	<0.00005	<0.00005	<0.05	<0.05	<0.05	<0.05
WTP#2 SCU Water <sup>2</sup>	15-Dec-16	<0.0002	<0.2	<0.2	<0.2	0.3	<0.2	<0.00005	<0.00005	<0.00005	-	<0.00005	<0.00002	<0.0005	<0.0005	<0.0005	<0.00001	<0.00002	<0.0001	<0.0005	<0.00005	<0.00005	<0.0005	<0.00005	<0.00005	<0.00005	<0.05	0.22	<0.05	<0.05
WTP#2 Filter 1&2 <sup>3</sup>	19-Dec-16	<0.0002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.00005	<0.00005	<0.00005	-	<0.00005	<0.00002	<0.0005	<0.0005	<0.0005	<0.00001	<0.00002	<0.0001	<0.0005	<0.00005	<0.00005	<0.0005	<0.00005	<0.00005	<0.00005	<0.05	<0.05	<0.05	<0.05
WTP#2 Filter 3&4 <sup>3</sup>	19-Dec-16	<0.0002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.00005	<0.00005	<0.00005	-	<0.00005	<0.00002	<0.0005	<0.0005	<0.0005	<0.00001	<0.00002	<0.0001	<0.0005	<0.00005	<0.00005	<0.0005	<0.00005	<0.00005	<0.00005	<0.05	<0.05	<0.05	<0.05

<sup>1</sup> North Battleford's F.E. Holliday Surface Water Treatment Plant was not in use or not drawing water from the North Saskatchewan River at this time.

<sup>2</sup> GE pre-filtration system was being commissioned at this time and water from the SCU at WTP #2 (F.E. Holliday Surface Water Treatment Plant) was not entering the municipal water supply.

<sup>3</sup> Results of treated water quality testing from WTP #2 (F.E. Holliday Surface Water Treatment Plant) before system restart. Water was sent to waste at this time.

The North Battleford Surface Water Treatment Plant started use of raw water from the North Saskatchewan River for full treatment and then to the City distribution system commencing on Dec 23, 2016.