

ANALYTICAL REPORT

City of Prince Rupert
424 3rd Avenue West
Prince Rupert, BC V8J 1L7
water@princerupert.ca

Work Order: N25H089

RECEIVED: 13-Aug-2025

Project: Drinking Water

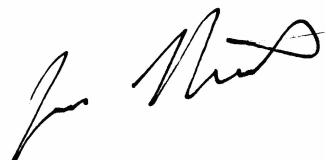
Project Number: -

Project Manager: Public Works Department

REPORTED: 15-Oct-2025

All analyses were performed in accordance with standard procedures published by BC MoE, Health Canada, Environment Canada, the American Public Health Association, or the US EPA.

Northern Laboratories (2010) Ltd.



Jesse Newton
Laboratory Manager

ANALYTICAL REPORT
City of Prince Rupert - Drinking Water
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LAB #	N25H089-01	N25H089-02	N25H089-03	N25H089-04
SAMPLED DATE	13-Aug-25	13-Aug-25	13-Aug-25	13-Aug-25
SAMPLED TIME	14:00	14:30	00:00	12:00
SAMPLE ID	Shawatlans Lake	Woodworth Lake	Park Ave. Flushing Stn.	Graham Cul-de-sac

	MRL Units	CDWG				
Perfluorinated Compounds (Water)						
Perfluorooctanesulfonate (PFOS)	0.200 ug/L	-	<0.200 [2]	<0.200 [2]	<0.200 [2]	<0.200 [2]
Perfluorooctanoic acid (PFOA)	0.200 ug/L	-	<0.200 [2]	<0.200 [2]	<0.200 [2]	<0.200 [2]
Perfluoropentanoic acid (PFPeA)	0.200 ug/L	-	<0.200 [2]	<0.200 [2]	<0.200 [2]	<0.200 [2]
Perfluorobutanesulfonate (PFBS)	10.0 ug/L	-	<10.0 [2]	<10.0 [2]	<10.0 [2]	<10.0 [2]
Perfluorohexanoic acid (PFHxA)	0.200 ug/L	-	<0.200 [2]	<0.200 [2]	<0.200 [2]	<0.200 [2]
Perfluoroheptanoic acid (PFHpA)	0.200 ug/L	-	<0.200 [2]	<0.200 [2]	<0.200 [2]	<0.200 [2]
Perfluorohexanesulfonate (PFHxS)	0.200 ug/L	-	<0.200 [2]	<0.200 [2]	<0.200 [2]	<0.200 [2]
Perfluoroheptane sulfonate (PFHpS)	0.200 ug/L	-	<0.200 [2]	<0.200 [2]	<0.200 [2]	<0.200 [2]
Perfluorononanoic acid (PFNA)	0.020 ug/L	-	<0.020 [2]	<0.020 [2]	<0.020 [2]	<0.020 [2]
Perfluorodecanoic acid (PFDA)	0.200 ug/L	-	<0.200 [2]	<0.200 [2]	<0.200 [2]	<0.200 [2]
Perfluoroundecanoic acid (PFUnA)	0.200 ug/L	-	<0.200 [2]	<0.200 [2]	<0.200 [2]	<0.200 [2]
Perfluorodecanesulfonate (PFDS)	0.200 ug/L	-	<0.200 [2]	<0.200 [2]	<0.200 [2]	<0.200 [2]
Perfluorododecanoic acid (PFDoA)	0.200 ug/L	-	<0.200 [2]	<0.200 [2]	<0.200 [2]	<0.200 [2]
Perfluorotetradecanoic acid (PFTeA)	2.00 ug/L	-	<2.00 [2] [3]	<2.00 [2] [3]	<2.00 [2] [3]	<2.00 [2] [3]
Perfluorooctanesulfonamide (PFOSA)	1.00 ug/L	-	<1.00 [2]	<1.00 [2]	<1.00 [2]	<1.00 [2]
Perfluorotridecanoic acid (PFTrA)	1.00 ug/L	-	<1.00 [2]	<1.00 [2]	<1.00 [2]	<1.00 [2]
Perfluorobutanoic acid (PFBA)	25.0 ug/L	-	<25.0 [2]	<25.0 [2]	<25.0 [2]	<25.0 [2]
6:2 Fluorotelomer sulfonate (6:2FTS)	0.200 ug/L	-	<0.200 [2]	<0.200 [2]	<0.200 [2]	<0.200 [2]
8:2 Fluorotelomer sulfonate (8:2FTS)	0.200 ug/L	-	<0.200 [2]	<0.200 [2]	<0.200 [2]	<0.200 [2]

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LAB #			N25H089-05	N25H089-06	N25H089-07	N25H089-08
SAMPLED DATE			13-Aug-25	13-Aug-25	13-Aug-25	13-Aug-25
SAMPLED TIME			10:00	10:30	11:00	10:30
SAMPLE ID			Frederick Station	Montreal Circle Reservoir	Sourdough Bay Flushing Station	Pillsbury Station
	MRL Units	CDWG				
Perfluorinated Compounds (Water)						
Perfluorooctanesulfonate (PFOS)	0.200 ug/L	-	<0.200 [2]	<0.200 [2]	<0.200 [2]	<0.200 [2]
Perfluorooctanoic acid (PFOA)	0.200 ug/L	-	<0.200 [2]	<0.200 [2]	<0.200 [2]	<0.200 [2]
Perfluoropentanoic acid (PFPeA)	0.200 ug/L	-	<0.200 [2]	<0.200 [2]	<0.200 [2]	<0.200 [2]
Perfluorobutanesulfonate (PFBS)	10.0 ug/L	-	<10.0 [2]	<10.0 [2]	<10.0 [2]	<10.0 [2]
Perfluorohexanoic acid (PFHxA)	0.200 ug/L	-	<0.200 [2]	<0.200 [2]	<0.200 [2]	<0.200 [2]
Perfluoroheptanoic acid (PFHpA)	0.200 ug/L	-	<0.200 [2]	<0.200 [2]	<0.200 [2]	<0.200 [2]
Perfluorohexanesulfonate (PFHxS)	0.200 ug/L	-	<0.200 [2]	<0.200 [2]	<0.200 [2]	<0.200 [2]
Perfluoroheptane sulfonate (PFHpS)	0.200 ug/L	-	<0.200 [2]	<0.200 [2]	<0.200 [2]	<0.200 [2]
Perfluorononanoic acid (PFNA)	0.020 ug/L	-	<0.020 [2]	<0.020 [2]	<0.020 [2]	<0.020 [2]
Perfluorodecanoic acid (PFDA)	0.200 ug/L	-	<0.200 [2]	<0.200 [2]	<0.200 [2]	<0.200 [2]
Perfluoroundecanoic acid (PFUnA)	0.200 ug/L	-	<0.200 [2]	<0.200 [2]	<0.200 [2]	<0.200 [2]
Perfluorodecanesulfonate (PFDS)	0.200 ug/L	-	<0.200 [2]	<0.200 [2]	<0.200 [2]	<0.200 [2]
Perfluorododecanoic acid (PFDoA)	0.200 ug/L	-	<0.200 [2]	<0.200 [2]	<0.200 [2]	<0.200 [2]
Perfluorotetradecanoic acid (PFTeA)	2.00 ug/L	-	<2.00 [2] [3]	<2.00 [2] [3]	<2.00 [2] [3]	<2.00 [2] [3]
Perfluorooctanesulfonamide (PFOSA)	1.00 ug/L	-	<1.00 [2]	<1.00 [2]	<1.00 [2]	<1.00 [2]
Perfluorotridecanoic acid (PFTrA)	1.00 ug/L	-	<1.00 [2]	<1.00 [2]	<1.00 [2]	<1.00 [2]
Perfluorobutanoic acid (PFBA)	25.0 ug/L	-	<25.0 [2]	<25.0 [2]	<25.0 [2]	<25.0 [2]
6:2 Fluorotelomer sulfonate (6:2FTS)	0.200 ug/L	-	<0.200 [2]	<0.200 [2]	<0.200 [2]	<0.200 [2]
8:2 Fluorotelomer sulfonate (8:2FTS)	0.200 ug/L	-	<0.200 [2]	<0.200 [2]	<0.200 [2]	<0.200 [2]

Northern Laboratories (2010) Ltd.

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Special Notes

- 2 = Incorrect Container(s) supplied for PFCs analysis
- 3 = The Reporting Limit for this sample has been raised due to matrix interference.

Glossary of Terms

MRL	Method Reporting Limit
<	Less than the reported detection limit (RDL)
ug/L	Micrograms per Litre
MAC	Maximum Acceptable Concentration. Values above MAC are formatted with red text and solid outline.
AO	Aesthetic Objective (not health related). Values above AO are formatted with a dashed outline.
OG	Operational guideline (for treated water)

Standards / Guidelines Referenced

CDWG	Canadian Drinking Water Quality Guidelines (2019) https://www.canada.ca/content/dam/hc-sc/migration/hc-sc/ewh-semt/alt_formats/pdf/pubs/water-eau/sum_guide-res_recom/sum_guide-res_recom-eng.pdf
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