



Analysis	Cost \$CDN	Size
<u>DEUTERIUM</u>		
H ₂ O-Cr Reduction EA-IRMS	\$40	30 ml
<u>OXYGEN</u>		
H ₂ O-CO ₂ Equilibration	\$30	30 ml
HT-EA-IRMS Oxygen isotopes from clean AgNO ₃ or BaSO ₄	\$40	5 mg
² H+ ¹⁸ O in H ₂ O by LGR Laser System (potable water only)	\$35	2 ml
<u>TRITIUM</u>		
Tritium direct +/- 6 T.U.	\$50	30 ml
Tritium enriched (~ 15x) +/- 0.8 T.U.	\$175	600 ml
Tritium Ultra Low Level (~ 50x) +/- 0.1 T.U.	\$500	2000 ml
+ Azeotropic Distillation (conductivity > 5000 µS/cm ³ H/E ³ H/UE ³ H)	\$50/140/300	30/600/2000 ml
<u>DISSOLVED SPECIES</u>		
¹⁵ N + ¹⁸ O in Dissolved Nitrate (chemical denitrifier)	\$100	30 ml 0.5 mg/L N
³⁴ S or ¹⁸ O in Dissolved Sulphate	\$90	1 mg S/O
³⁴ S + ¹⁸ O in Dissolved Sulphate	\$135	1 mg S + 1 mg O
¹⁵ N in Dissolved Ammonium	\$100	5 mg N
<u>Elemental Analysis-Isotope Ratio Mass Spectrometry</u>		
¹³ C + ¹⁵ N	\$26	Contact for details
¹³ C + ¹⁵ N, pre-weighed	\$15	Contact for details
¹³ C + ¹⁵ N, filter paper	\$35	Contact for details
³⁴ S	\$40	1 mg S
<u>Gas Chromatograph-Combustion-Isotope Ratio Mass Spectrometry</u>		
² H on C _x H _y , per compound i.e. Methane, Ethane, Butane, BTEX, TCE	\$150	500 ppm gas/300 ppb aq.
¹³ C on C _x H _y Cl _z , per compound i.e. Methane, Ethane, BTEX, TCE	\$120	300 ppm gas/50 ppb aq.
<u>HALOGEN Isotope Analysis</u>		
³⁷ Cl, inorganic	\$225	3 mg
⁸¹ Br, inorganic	\$300	3 mg
³⁷ Cl on C _x H _y Cl _z , per compound i.e. DCA, DCE, TCA, TCE / VC, PCE	\$150 / \$200	5 ppb aq.
<u>Other</u>		
⁸⁷ Sr	\$300	5 µg
¹⁸ O + ¹³ C, Carbonate	\$50	1 mg
¹³ C, DIC / DOC	\$50	5 µg C / 1 µg C
AMS ¹⁴ C + ¹³ C DIC - 2 month turnaround	\$300	3 mg C
Pure Gas (CO ₂ or N ₂) Pyrex® glass breakseals 6 mm OD, 9-12 cm L	\$20	1 ml
Pure Gas, CH ₃ Cl, CH ₃ Br Pyrex® glass breakseals 6 mm OD, 9-12 cm L	\$50	1 ml
¹³ C 1,4-Dioxane - C ₄ H ₈ O ₂ (± 0.3‰) – requires extraction / Low Level	\$250 / \$325	50 ppb / 1L @ <10 ppb

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ENVIRONMENTAL
ISOTOPE
LABORATORY

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