

Sample Type	Analysis Type	Price /sample NZD	Sample Size	Turnaround Time
Water – NG* Concentrations.	He, Ne, Ar, Kr, Xe Concentrations.	\$420	1 Cu tube ~18 grams of water	6–8 weeks
Water – Helium Isotopes.	He and Ne Concentrations (Ar, Kr, and Xe optional) and $^3\text{He}/^4\text{He}$ isotope ratio analysis	\$480	1 Cu tube ~18 grams of water	6–8 weeks
Water – Helium, Neon, and Argon Isotopes.	He, Ne, and Ar Concentrations (Kr and Xe optional) and $^3\text{He}/^4\text{He}$, $^{20}\text{Ne}/^{22}\text{Ne}$, $^{21}\text{Ne}/^{22}\text{Ne}$, $^{40}\text{Ar}/^{36}\text{Ar}$, $^{38}\text{Ar}/^{36}\text{Ar}$ isotope ratio analysis.	\$540	1 Cu tube ~18 grams of water	6–8 weeks
Water – Helium, Neon, Argon, Krypton, and Xenon Isotopes.	He, Ne, Ar, Kr, Xe Concentrations and $^3\text{He}/^4\text{He}$, $^{20}\text{Ne}/^{22}\text{Ne}$, $^{21}\text{Ne}/^{22}\text{Ne}$, $^{40}\text{Ar}/^{36}\text{Ar}$, $^{38}\text{Ar}/^{36}\text{Ar}$, $^{78}\text{Kr}/^{84}\text{Kr}$, $^{80}\text{Kr}/^{84}\text{Kr}$, $^{82}\text{Kr}/^{84}\text{Kr}$, $^{83}\text{Kr}/^{84}\text{Kr}$, $^{86}\text{Kr}/^{84}\text{Kr}$, $^{124}\text{Xe}/^{130}\text{Xe}$, $^{126}\text{Xe}/^{130}\text{Xe}$, $^{128}\text{Xe}/^{130}\text{Xe}$, $^{129}\text{Xe}/^{130}\text{Xe}$, $^{131}\text{Xe}/^{130}\text{Xe}$, $^{132}\text{Xe}/^{130}\text{Xe}$, $^{134}\text{Xe}/^{130}\text{Xe}$, $^{136}\text{Xe}/^{130}\text{Xe}$. Isotope ratio analysis.	\$600	1 Cu tube ~18 grams of water	6–8 weeks
Water – Denitrification	Denitrification: He, Ne, Ar, Kr, Xe, and N_2 and N_2O concentrations.	\$540	2 Cu tubes ~18 grams of water	6–8 weeks
Water – Helium isotopes and Denitrification.	Denitrification: He, Ne, Ar, Kr, Xe, and N_2 and N_2O concentrations and $^3\text{He}/^4\text{He}$ isotope ratio analysis.	\$600	2 Cu tubes ~18 grams of water	6–8 weeks
Water – Helium, Neon, and Argon Isotopes and Denitrification.	Denitrification: He, Ne, Ar, Kr, Xe, and N_2 and N_2O concentrations and $^3\text{He}/^4\text{He}$, $^{20}\text{Ne}/^{22}\text{Ne}$, $^{21}\text{Ne}/^{22}\text{Ne}$, $^{40}\text{Ar}/^{36}\text{Ar}$, $^{38}\text{Ar}/^{36}\text{Ar}$ isotope ratio analysis.	\$655	2 Cu tubes ~18 grams of water	6–8 weeks
Water – Helium, Neon, Argon, Krypton, and Xenon Isotopes and Denitrification.	Denitrification: He, Ne, Ar, Kr, Xe, and N_2 and N_2O concentrations and $^3\text{He}/^4\text{He}$, $^{20}\text{Ne}/^{22}\text{Ne}$, $^{21}\text{Ne}/^{22}\text{Ne}$, $^{40}\text{Ar}/^{36}\text{Ar}$, $^{38}\text{Ar}/^{36}\text{Ar}$, $^{78}\text{Kr}/^{84}\text{Kr}$, $^{80}\text{Kr}/^{84}\text{Kr}$, $^{82}\text{Kr}/^{84}\text{Kr}$, $^{83}\text{Kr}/^{84}\text{Kr}$, $^{86}\text{Kr}/^{84}\text{Kr}$, $^{124}\text{Xe}/^{130}\text{Xe}$, $^{126}\text{Xe}/^{130}\text{Xe}$, $^{128}\text{Xe}/^{130}\text{Xe}$, $^{129}\text{Xe}/^{130}\text{Xe}$, $^{131}\text{Xe}/^{130}\text{Xe}$, $^{132}\text{Xe}/^{130}\text{Xe}$, $^{134}\text{Xe}/^{130}\text{Xe}$, $^{136}\text{Xe}/^{130}\text{Xe}$. Isotope ratio analysis.	\$720	2 Cu tubes ~18 grams of water	6–8 weeks
Gas – NG Concentrations.	He, Ne, Ar, Kr, Xe Concentrations.	\$245	1 Cu tube or Glass flask.	4–6 weeks
Gas – Helium Isotopes.	He and Ne Concentrations (Ar, Kr, and Xe optional) and $^3\text{He}/^4\text{He}$ isotope ratio analysis	\$305	1 Cu tube or Glass flask	4–6 weeks
Gas – Helium, Neon, and Argon Isotopes.	He, Ne, and Ar Concentrations (Kr and Xe optional) and $^3\text{He}/^4\text{He}$, $^{20}\text{Ne}/^{22}\text{Ne}$, $^{21}\text{Ne}/^{22}\text{Ne}$, $^{40}\text{Ar}/^{36}\text{Ar}$, $^{38}\text{Ar}/^{36}\text{Ar}$ isotope ratio analysis.	\$365	1 Cu tube or Glass flask	4–6 weeks
Gas – Helium, Neon, Argon, Krypton, and Xenon Isotopes.	He, Ne, Ar, Kr, Xe Concentrations and $^3\text{He}/^4\text{He}$, $^{20}\text{Ne}/^{22}\text{Ne}$, $^{21}\text{Ne}/^{22}\text{Ne}$, $^{40}\text{Ar}/^{36}\text{Ar}$, $^{38}\text{Ar}/^{36}\text{Ar}$, $^{78}\text{Kr}/^{84}\text{Kr}$, $^{80}\text{Kr}/^{84}\text{Kr}$, $^{82}\text{Kr}/^{84}\text{Kr}$, $^{83}\text{Kr}/^{84}\text{Kr}$, $^{86}\text{Kr}/^{84}\text{Kr}$, $^{124}\text{Xe}/^{130}\text{Xe}$, $^{126}\text{Xe}/^{130}\text{Xe}$, $^{128}\text{Xe}/^{130}\text{Xe}$, $^{129}\text{Xe}/^{130}\text{Xe}$, $^{131}\text{Xe}/^{130}\text{Xe}$, $^{132}\text{Xe}/^{130}\text{Xe}$, $^{134}\text{Xe}/^{130}\text{Xe}$, $^{136}\text{Xe}/^{130}\text{Xe}$ isotope ratio analysis.	\$425	1 Cu tube or Glass flask	4–6 weeks

*NG – Noble Gases

- Prices can vary depending on the sample size/number and interpretation required.
- We would be happy to work with you to build a project plan and pricing structure to suit your requirements.
- The laboratory analysis prices quoted above will provide you with the concentration and noble gas isotope ratio in the sample per the desired analysis type.
- Costs for interpretation and reporting are additional, please contact us to discuss those details.
- Prices are exclusive of import inspection fees, local taxes, withholding taxes and New Zealand GST that may be applicable.
- All prices are quoted in NZ dollars and may be reviewed at any time.
- We can provide copper tubes, clamps and sampling instructions if so required. If the customer provides clamps and/or glass flasks they will be returned for the cost of shipping; used copper tubes are not returned.
- Please contact us to discuss specific sampling requirements.
- Quoted turnaround times represent the best estimate and can vary depending on the workload in the laboratory, number of samples, and are exclusive of unscheduled instrument down time, if a shorter turnaround time is required contact us.

Please contact us at noble gases@earthsciences.nz with any questions or to discuss your specific needs.