



ANY TIME OF THE YEAR NMI RAPID PT STUDIES

Accredited for compliance with ISO/IEC 17043

Rapid PT Studies (RQA) will not be run on a pre-defined schedule; laboratories can request this type of study at any time (e.g. if they have an audit). Participants will have the option to design their own study.

MECHANICS OF THE NMI RAPID PT STUDY

PARTICIPANT DESIGNS THEIR OWN STUDY

PARTICIPANT SELECTS THE MATRIX	→	Soil, water, food or biota
PARTICIPANT SELECTS THE GROUP OF ANALYTES (up to 6)	→	Trace elements, physical tests, PFAS, pesticides, hydrocarbons
THE SAMPLE IS DISPATCHED	→	Next day
PARTICIPANT PERFORMS ANALYSIS	→	Using the normal test method
PARTICIPANT SUBMITS THE RESULTS AT THEIR EARLIEST CONVENIENCE	→	Using the results form provided
THE STUDY IS CLOSED	→	Once participant's results have been received
PARTICIPANT PERFORMANCE IS ASSESSED	→	<u>Pre-set assigned values, as per ISO/IEC 17043 requirements</u> , will be used to assess participants' performance (to calculate z scores and En scores).
THE PERFORMANCE REPORT WILL BE ISSUED	→	Within five working days of the results submission date

- Fulfils ISO/IEC 17025 requirements to participate in a PT study

- Validates methods

- Trains new staff

- Promotes its new capabilities to stakeholders

- Use it as a tool for corrective action

SEE THE AVAILABLE OPTIONS ON THE NEXT PAGE

ANY TIME OF THE YEAR

RQA PFAS IN SOIL			
MATRIX	Analytes	Select Test (up to 6)	Price AUD \$
Dried soil	PFBS		FOR NATIONAL PARTICIPANTS
	PFPeS		
	PFHxS		
	PFHxS linear		
	PFHpS		
	PFOS		
	PFOS linear		\$550
	PFDS		FOR INTERNATIONAL PARTICIPANTS
	PFBA		
	PFPeA		
	PFHxA		
	PFHpA		
	PFOA		
	PFNA		
	PFDA		
	PFUdA		
	PFDaA		
	PFTeA		
	6:2 FTS		
8:2 FTS			
		\$750	

*Shipping costs are included; GST not included; Prices might change from July 2023

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RQA PFAS IN WATER			
MATRIX	Analytes	Select Test (up to 6)	Price AUD \$
Water	PFBS		FOR NATIONAL PARTICIPANTS
	PFPeS		
	PFHxS		
	PFHxS linear		
	PFHpS		
	PFOS		
	PFBA		\$550
	PFPeA		FOR INTERNATIONAL PARTICIPANTS
	PFHxA		
	PFHpA		
	PFOA		
	PFNA		
	PFDaA		
	PFTrDA		
	6:2 FTS		
		\$750	

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RQA PESTICIDES IN SOIL

Sample	Analytes			Please select	Price* AUD \$
soil	Aldrin	alpha-Endosulfan	Malathion		FOR NATIONAL PARTICIPANTS \$550
	Bifenthrin	beta-Endosulfan	Metsulfuron-methyl		
	<i>cis</i> Chlordane	Endosulfan sulfate	Parathion		
	<i>trans</i> Chlordane	Ethion	Parathion-methyl		
	Total Chlordane	Fenitrothion	Permethrin		
	Chlorpyrifos	Fenthion	Simazine		FOR INTERNATIONAL PARTICIPANTS \$750
	Cyfluthrin	Fenvalerate	Tebuconazole		
	Cypermethrin	Fipronil	Heptachlor epoxide		
	Diazinon	Glyphosate	Hexachlorobenzene		
	Dieldrin	Heptachlor	Trifluralin		
	Lindane				

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RQA HYDROCARBONS IN SOIL

Sample	Analytes	Please select	Price* AUD \$
soil	Semi-volatile petroleum hydrocarbons (NEPM fractions >C16-C34, >C34-C40 and TRH)		FOR NATIONAL PARTICIPANTS \$550 FOR INTERNATIONAL PARTICIPANTS \$750

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RQA PAHs IN SOIL			
Sample	Analytes		Please select
soil	Naphthalene	Benzo[a]anthracene	FOR NATIONAL PARTICIPANTS \$550 FOR INTERNATIONAL PARTICIPANTS \$750
	Acenaphthylene	Chrysene	
	Acenaphthene	Benzo[b]fluoranthene	
	Fluorene	Benzo[k]fluoranthene	
	Phenanthrene	Benzo[a]pyrene	
	Anthracene	Indeno[1,2,3-cd]pyrene	
	Fluoranthene	Dibenz[a,h]anthracene	
	Pyrene	Benzo[g,h,i]perylene	

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RQA METALS IN SOIL				
MATRICES of choice	Select Matrix (one)	Tests of choice ACID EXTRACTABLE ELEMENTS	Select Test (up to 6)	Price* AUD \$
dried soil dried sediment biosoil		Ag		FOR NATIONAL PARTICIPANTS \$550
		Al		
		As		
		B		
		Ba		
		Be		
		Bi		
		Cd		
		Co		
		Cr		
		Cs		
		Cu		
		Fe		
		Hg		
		K		
		La		FOR INTERNATIONAL PARTICIPANTS \$750
		Li		
		Mg		
		Mn		
		Mo		
		Na		
		Ni		
		P		
		Pb		
		Rb		
		S		
		Sr		
		Sb		
		Se		
		Sn		
	Th,			
	Tl			
	U			
	V			
	Zn			

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RQA NUTRIENTS, ANIONS AND EXCHANGEABLE BASES IN SOIL

MATRIX	Analytes	Select Test (up to 6)	Price* AUD \$
dried agricultural soil	P (total)		FOR NATIONAL PARTICIPANTS \$550
	Exchangeable bases (Ca ²⁺ , Mg ²⁺ , Na ⁺ , K ⁺) - 1M NH ₄ Cl extract ¹		
	Exchangeable bases (Ca ²⁺ , Mg ²⁺ , Na ⁺ , K ⁺) - 1M NH ₄ Cl extract ¹		
	Exchangeable bases (Ca ²⁺ , Mg ²⁺ , Na ⁺ , K ⁺) - 1M NH ₄ Cl extract ¹		
	Exchangeable bases (Ca ²⁺ , Mg ²⁺ , Na ⁺ , K ⁺) - 1M NH ₄ Cl extract ¹		
	Total Carbon,		FOR INTERNATIONAL PARTICIPANTS \$750
	Total Organic Carbon		
	Total Nitrogen		
	pH of 1:5 soil/0.01M CaCl ₂ ,		
	Water Soluble Chloride (Cl ⁻)- 1:5 soil/water extract		
	Water Soluble Sulphate;(SO ₄ ²⁻) - 1:5 soil/water extract		
	Water Soluble Orthophosphate-P; (PO ₄ ³⁻ -P) - 1:5 soil/water extract		
	pH of 1:5 soil/water suspension		
	EC of 1:5 soil/water extract		
	Kjeldahl nitrogen, total (TKN)		
	2M KCl Extractable (Nitrate-N)		
2M KCl Extractable (Ammonium-N)			

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RQA METALS IN SEAWATER

MATRIX	Analytes	Select Test (up to 6)	Price AUD \$
sea water preserved in 2% HNO ₃ (v/m)	Ag		FOR NATIONAL PARTICIPANTS \$550
	Al		
	As		
	Be		
	Cd		
	Co		
	Cr		
	Cu		
	Fe		
	Hg		
	Mn		
	Mo		
	Ni		
	P		
	Pb		
	Sb		
	Se		
	Sn		
	U		
	V		
	Zn		FOR INTERNATIONAL PARTICIPANTS \$750
	Ag		
	Al		
	As		
	Be		
	Cd		
	Cr		
	Cu		
	Fe		
	Hg		
	Mn		
	Ni		
P			
Pb			
Se			
Sn			
Tl			
U			
V			
Zn			

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RQA WATER CHARACTERISATION				
MATRIX	Select Matrix (one)	Analytes	Select Test (up to 6)	Price AUD \$
Sea water River water Potable water		B		FOR NATIONAL PARTICIPANTS \$550
		Ca		
		K		
		Mg		
		Na		
		P		FOR INTERNATIONAL PARTICIPANTS \$750
		Alkalinity to pH 4.5 as CaCO ₃		
		Colour, apparent (Pt-Co units)		
		EC		
		Silica (as SiO ₂)		
	Total Hardness (CaCO ₃)			

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PLEASE KEEP AN EYE ON OUR RAPID PT STUDIES AS MORE MATRICES AND ANALYTES WILL BE ADDED

Please email your choice of matrix and analyte to: proficiency@measurement.gov.au

An ENROLMENT FORM and letter with all the details included will be sent. To participate in the RQA study, you will still need to complete and send the enrolment form.

YOUR CONTACT DETAILS:

Person of contact		
Phone		E-mail:
Laboratory		