

Our Capabilities

Recognised amongst Australia's most highly accredited laboratories, ChemCentre delivers reliable, results-driven science that powers innovation, ensures regulatory confidence, and protects communities.

Accredited Analytical Services

We provide accuracy testing of soil, water, air, biological, marine, and industrial samples. Services include tailings and by-product characterisation, corrosion and contaminated site assessment, nutrients, plus food safety and traceability testing.

Our results help validate emerging technologies, support regulatory compliance, and improve environmental outcomes.

Independent Scientific Advice

Expert guidance to navigate regulatory compliance, environmental approvals, risk mitigation, incident investigations, and policy development.

Our advice is trusted by government and industry alike and is backed by robust evidence and legally defensible testimony.

Collaborative Research & Innovation

We co-design research with government, industry, and academia to address complex challenges in clean green technology, critical minerals, soil health, sustainable agriculture and air and water quality.

Our research advances circular economy practices and helps future-focused sectors thrive.

Emergency and Forensic Science

ChemCentre provides 24/7 support for chemical incidents, unknown substances, and hazardous materials.

Our applied forensic research in toxicology, drug analysis, and proteomics, enables deeper insights in investigations and emergency response outcomes.

Our specialised mobile response teams work directly with DFES, WA Police, and Health authorities to manage and mitigate chemical and environmental risks.



Grounded in collaboration and scientific integrity, ChemCentre develops solutions that meet current needs and build capacity for long term impact.

Our Expertise

ChemCentre's multidisciplinary team continues to evolve its methods and capability, to stay responsive to emerging priorities.

At ChemCentre we help future focused sectors thrive by:

- Validating emerging technologies through robust chemical analysis
- Supporting environmental management practices and regulatory compliance
- Enabling sustainable, circular economy outcomes
- Providing validated evidence to inform decision-making and mitigate risks
- Building scientific capability through collaboration

Science Where It Matters

Our work delivers practical solutions across key industries and government priorities:

Law and Order

Forensic services supporting investigations, prosecutions, and public safety, including toxicology and illicit substance analysis.

Mining & Resources

Tailings, ore and by-product analysis, including LEAF characterisation, to optimise processing, recover critical minerals, and identify safe, value-adding uses aligned with ESG and mine closure goals.

Pharmaceutical Chemistry

TGA licensed and GMP certified, offering the following testing:

- TGO 93 (Medicinal Cannabis)
- TGO 112 (MDMA)
- TGO 113 (Psilocybin)

Additionally providing formulation and stability studies (ICH). Testing covers raw materials to finished products.

Built Environment

Testing of air quality, corrosion, construction materials and leachates. Risk assessment of recovered materials for marine and land infrastructure.

Defence

Forensic toxicology, chemical risk assessment, and emergency support aligned with national security needs.

Occupational health testing including diving cylinder compliance to Australian and Navy Standards.

Environment

Water and sediment quality testing, spill response, pollutant tracking, and ecosystem risk assessment.

Detection and monitoring of emerging contaminants including PFAS.

Industry Development Precincts

Chemical risk profiling, emissions testing, contamination control, and rapid incident response.

Net Zero & Clean Tech

Validation of hydrogen, battery, and renewable technologies, critical minerals analysis, emissions testing, and research supporting low-carbon transitions.

Circular Economy

By-product analysis and chemistry-led solutions that reduce waste, generate value, and accelerate sustainable industrial practices.

Agrifood & Biosecurity

Testing for food safety, export compliance, soil, and water quality. Provenance and authenticity testing and supporting sustainable agriculture and biosecurity.

Science That Delivers Impact

We co-design programs with our partners to deliver measurable impact across sectors.

In 2025/26 we will have

- Provided validated data and reports to over 30 mining companies and their support organisations for mine site rehabilitation and operational risk management.
- Responded to over 25 hazardous chemical incidents statewide and ran collaborative research projects in support of 24/7 Emergency Response.
- Delivered 4 major circular economy research project outcomes converting mine refinery waste and FOGO into valuable useful products.
- Partnered in \$5M co-funded research driving innovation and impact in 25/26 and over \$30M of collaborative projects in the previous 5 years.

ChemCentre is more than a laboratory, we're a strategic science partner. Our collaborative research is practical, translatable, and geared for commercial and policy outcomes.

Partnerships That Build WA's Future

We are actively seeking partnerships with:

- **Government and industry** seeking to validate new technologies or de-risk processes
- **Research institutions** pursuing collaborative studies for infrastructure investment
- **Commercial clients** requiring tailored science to meet their immediate business, regulatory, ESG and innovation goals



ChemCentre delivers applied science where it matters most, protecting communities, enabling innovation, and supporting the sustainable growth of Western Australia's industries.

ChemCentre is Western Australia's trusted leader in chemical and forensic science.

Why ChemCentre?

Highest Accreditation Standards

Our laboratories meet rigorous Australian accreditation standards (NATA, ISO, JASANZ and TGA), ensuring accuracy, precision and confidence in our certified results.

Independent and Trusted

As a government science authority, our impartial advice is relied upon by decision-makers across WA.

Innovation with Impact

Our collaborative research builds novel capability, better informs regulation, and supports responsible industry practices.

Future Focused

We invest in advancing the science and technology needed for a safer, cleaner, and more sustainable WA.

Let's Collaborate

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Science
That
Delivers
Impact

Whether you're scaling innovation, enhancing environmental performance, meeting regulatory demands or solving a problem, ChemCentre brings the trusted science to help you succeed.

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