



Australian Government

MSL952003 Collect routine site samples

Release: 1

MSL952003 Collect routine site samples

Modification History

Release 1. Supersedes and is equivalent to MSL952001 Collect routine site samples. Minor changes to Performance Criteria. Range of Conditions removed, with information about maintaining sample integrity moved to Knowledge Evidence to replace existing generic item. Performance Evidence simplified and duplication with Performance Criteria removed.

Application

This unit of competency describes the skills and knowledge to collect samples at field or production sites using specified equipment and workplace procedures.

This unit of competency is applicable to production operators, field assistants and laboratory assistants in all industry sectors.

No licensing or certification requirements exist at the time of publication. However, regulations and/or external accreditation requirements for laboratory operations exist, so local requirements should be checked. Relevant legislation, industry standards and codes of practice within Australia must also be applied.

Competency Field

Sampling

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Prepare for sampling	1.1 Read sampling request and confirm the purpose, priority and scope of sampling required 1.2 Liaise with relevant personnel to arrange site access and necessary clearances or permits 1.3 Identify site hazards and review workplace safety procedures 1.4 Confirm samples to be collected and sampling location, method and timeframe 1.5 Assemble specified sampling equipment, safety equipment, materials and containers 1.6 Conduct pre-use and cleanliness checks of all items to ensure they are fit for purpose 1.7 Check all items against inventory and stow to ensure safe transport

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
2. Conduct sampling	2.1 Locate and access sampling points at the site in accordance with security and workplace procedures 2.2 Seek advice if the required samples cannot be collected or if procedures require modification 2.3 Select and use sampling equipment in accordance with workplace procedures 2.4 Record all labelling information in accordance with workplace and/or legal traceability requirements 2.5 Record sample appearance, environmental conditions and any other factors that may impact on sample integrity 2.6 Follow procedures for site security when sampling is completed
3. Finalise sampling	3.1 Follow workplace procedures for required cleaning and decontamination of equipment and vehicle 3.2 Check equipment, materials and samples against inventory and stow for safe transport 3.3 Liaise with relevant personnel to restore normal production and/or services as necessary 3.4 Maintain integrity of samples during transportation in accordance with workplace procedures 3.5 Deliver samples to the required collection point and complete all documentation to ensure traceability 3.6 Check and document serviceability of equipment before storage
4. Maintain a safe work environment	4.1 Use established work practices and personal protective equipment (PPE) to ensure personal safety and that of others 4.2 Minimise environmental impacts of sampling and generation of waste 4.3 Dispose of waste in accordance with workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and is equivalent to MSL952001 Collect routine site samples.

Links

MSL Laboratory Operations Companion Volume Implementation Guide is available from VETNet – -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5c63a03b-4a6b-4ae5-9560-1e3c5f462baa>

Assessment Requirements for MSL952003 Collect routine site samples

Modification History

Release 1. Supersedes and is equivalent to MSL952001 Collect routine site samples. Minor changes to Performance Criteria. Range of Conditions removed, with information about maintaining sample integrity moved to Knowledge Evidence to replace existing generic item. Performance Evidence simplified and duplication with Performance Criteria removed.

Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and:

- collected at least 3 different kinds of samples using specified equipment and workplace procedures.
-

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- types of samples, including:
 - grab samples (disturbed or undisturbed materials)
 - composite samples
 - quality control samples
- ways that sample integrity is maintained, including:
 - use of appropriate containers and their sealing
 - purging of sample lines and bores
 - decontamination of sampling tools between collection of consecutive samples
 - use of appropriate preservatives
 - temperature control
 - transfer of sterile sample into sterile container
 - monitoring of storage conditions
 - workplace and/or legal traceability through appropriate sample labelling and records
- characteristics of product and/or materials sampled as part of job role
- purpose for which the samples have been collected
- function of key sampling equipment/materials and principles of operation
- sampling procedures covering labelling, preparation, storage, transport and disposal
- hazards, risks, environmental protection measures and work health and safety (WHS) procedures associated with routine sampling undertaken.
-

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - field or production sites for sampling
 - sampling tools, containers and equipment
 - workplace procedures.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

MSL Laboratory Operations Companion Volume Implementation Guide is available from VETNet – -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5c63a03b-4a6b-4ae5-9560-1e3c5f462baa>