

Client: AJC_24.11.2025 Council of Newington College
Project Reference: P25090095
Report Date: 07/10/2025
Version: 2.0

Newington College SSDA

Newington College, Stanmore NSW 2048



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1 AUDIT DETAILS

Site Details

Address: 200-244 and 221-235 Stanmore Road, Stanmore NSW 2048

Estimated build date:	1960's – 1970's
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Audit Details

Scope of audit: Targeted Hazmat Reinspection for detailed SSDA Report (Stage 2 & 3). Stage 6 hazmat to be conducted closer to the date of planned works.

Commissioned by:	AJC_24.11.2025 Council of Newington College
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Inspection by: Ashton Prochazka (Licensed Asbestos Assessor # 002169)

Reviewed by:	Joshua Martin (Licenced Asbestos Assessor #001313)
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Date of inspection: 07/10/2025

INTRODUCTION

CETEC has been commissioned by the Council of Newington College (the Applicant) to prepare this report in accordance with the technical requirements of the Secretary's Environmental Assessment Requirements (SEARs), and in support of the State Significant Development Application (SSD-78268465) for alterations and additions to the Newington College Senior Campus in Stanmore.

DESCRIPTION OF THE SITE AND LOCALITY

The Newington College Senior Campus is located at 200-244 Stanmore Road, Stanmore and is bordered by Stanmore Road to the north, Newington Road to the south and College Lane to the west. The College boundary also includes the Concordia building to the north at 221-235 Stanmore Road. The main campus is legally described as Lot 8 in DP710369 and the Concordia site is legally described as Lot A in DP109269, Lot 1 in DP49, Lot B in DP330028, and Lot 1 in DP526319.

Key features of the site include:

- The main campus site is a regular shaped allotment with an area of 8.7ha. The Concordia site (and access handle to Cavendish Street), immediately north of the main campus is irregular in shape and is 2,903sqm in area.
- The topography of the main campus is a defining characteristic, particularly the grassed slope from the historic Founders Building down to Johnson Oval. The site has an overall fall of approximately 18m from the north-west corner to south-east corner.
- The at-grade car park adjacent to the Concordia building sits approximately 2.8m above the Stanmore Road street level, and is accessed via Cavendish Street (to the rear).
- The existing school buildings are largely located along the College Lane and Newington Road edges of the site. Existing buildings generally range from 2-4 storeys in scale. The balance of the site comprises at-grade car parking and sporting facilities, including sporting ovals and tennis courts.
- The Concordia building across Stanmore Road is a two-storey building with basement and car parking accessed from Stanmore Road. An at-grade car park is located within the eastern portion of this site, with vehicular access from a driveway to Cavendish Street (to the north).

- The site has a primary frontage to Stanmore Road (which accommodates both vehicular and pedestrian access to the site) and a secondary frontage to Newington Road, which is generally limited to pedestrian access and service vehicles.
- The area surrounding the site is predominantly zoned R2 Low Density Residential and includes a combination of single dwellings and residential flat building ranging from 1-3 storeys in height. Stanmore Train Station is located approximately 220m to the north. An existing pedestrian bridge and signalised traffic lights provide pedestrian access over Stanmore Road to Stanmore Train Station, further north.

The site is identified in the figure overleaf.



Source: Urbis 2024

PROJECT DESCRIPTION

This SSDA seeks consent for the staged development of Newington College, including:

Concept Proposal for the provision of new and upgraded facilities, including:

- Building envelope for the redevelopment of Sevington Courts to accommodate recreational facilities and teaching spaces (refer to detailed Stage 1 Works below).
- Building envelope for alterations and additions to Centenary Hall and development of an adjoining, four storey teaching and learning facility (College Lane building). This development will accommodate a cafeteria and dining hall, lecture theatre, multi-purpose teaching spaces and additional pastoral spaces.
- Building envelope for the redevelopment of the Concordia building to accommodate a performance theatre, multi-purpose gallery and exam centre, new teaching spaces and basement car parking. The Concordia redevelopment includes a new pedestrian bridge across Stanmore Road to the main campus.
- Landscaping design strategy across the campus.
- Car parking provision and circulation arrangements.
- Increase of 368 students and 45 full-time equivalent (FTE) staff.

Detailed Stage 1 works, including:

- Earthworks and the associated demolition of Sevington Courts.
- Construction, fit-out and operation of 3 storey building comprising multi-purpose indoor and rooftop courts, fitness centre, multi-purpose teaching spaces, amenities and basement car parking.
- Construction, fit-out and operation of 4 storey building comprising multi-purpose teaching spaces, administrative functions and amenities.
- Alterations to the existing driveway within the site to facilitate vehicle access to the new basement car park.
- Temporary car park during construction phase of Stage 1 Works.
- Tree removal and new landscaping adjacent to the Stage 1 development site.
- Increase of 368 students and 45 FTE staff.

SURVEY LIMITATIONS

Under this scope of works CETEC has as far as practicable identified Asbestos Containing Materials (ACM) present on the site, located in areas readily and safely accessible at the time of the assessment.

An asbestos audit of this nature is limited due to difficulties in obtaining access to all areas or to take samples from all materials without substantial damage to building components or compromising the safety of the surveyor or building occupants. In addition, building practices may involve the use of materials during construction that appear to be similar, but are different, and thus our survey cannot guarantee to be totally representative. Therefore, it is not possible to provide an absolute guarantee that every ACM has been identified.

It was not practicable to inspect materials in deep cavities, hidden under or behind other surfaces, contained inside equipment or electrical installations, inside ductwork or pipework or underground. Fuse boards and other electrical equipment were inspected where safety or normal prohibitions on access were not compromised. Telstra pits were not inspected as part of this audit.

Responsibility cannot be accepted for damage to the building etc. arising from inspections, nor for any ACM found at a later date but not indicated within this report. The quantities contained in this report are estimates obtained by visual observation only and are not intended for use as a specification of works.

This report and risk assessments contained within it pertain only to the normal use and occupation of the site. If any demolition or refurbishment works are to be carried out then this report must be reviewed and revised as necessary prior to the proposed work in accordance with ***Occupational Health and Safety Regulation 2017 (Part 4.3, Division 6)***. For example, this report may be inadequate if it identifies areas that are inaccessible and that are likely to contain asbestos, or where the use of certain machinery or tools during the proposed works would increase the likelihood of damaging identified asbestos containing materials.

This report and the associated services performed by CETEC are in accordance with the scope of services set out in the contract between CETEC and AJC_24.11.2025 Council of Newington College. The scope of services was defined by the requests of AJC_24.11.2025 Council of Newington College, by the time and budgetary constraints imposed by AJC_24.11.2025 Council of Newington College, and by the availability of access to the site.



This report has been prepared to address the Secretary's Environmental Assessment Requirements (SEARs) for State Significant Development Application (SSD-78268465).

The site inspection for the Concordia building (Stage 6) of the master plan has not been conducted yet due to the works for this stage not being conducted within 5 years which is the maximum timeframe that a hazmat register is valid for. CETEC will deploy to site to conduct the hazmat inspection for areas associated with stage 06 of the master plan closer to the time that works will commence.

2 LEGISLATIVE COMPLIANCE

The register of asbestos containing materials contained in this report has been developed in accordance with the Work Health and Safety Regulation 2017 (Part 8.3 and 8.6) and the How to Manage and Control Asbestos in the Workplace: Code of Practice (WorkSafe 2020). The risk assessments contained within this report pertain to the proposed demolition work to be undertaken at the site. However, if previously inaccessible areas become accessible or if other materials are found unexpectedly during renovation works this report may be inadequate and revisions may be required from time to time. Asbestos containing materials should be removed prior to demolition in accordance with How to Safely Remove Asbestos – Code of Practice (WorkSafe 2020). Legislative requirements, codes of practice and guidelines relating to the management and removal of hazardous materials include but are not limited to:

- Workplace Health and Safety Act and Regulation (2017)
- Safe Work Australia Demolition Work Code of Practice (2019)
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]
- National code of Practice for the Control of Workplace Hazardous Substances [NOHSC:2007(1994)]
- AS 4361.2 Guide to lead paint management - Residential and commercial buildings (1998)
- National Standard for the Control of Inorganic Lead at Work [NOHSC:1012(1994)]
- National Code of Practice for the Control and Safe Use of Inorganic Lead at Work [NOHSC:2015(1994)]
- National Standard for Synthetic Mineral Fibres [NOHSC:1004(1990)]
- National Code of Practice for the Safe Use of Synthetic Mineral Fibres [NOHSC:2006(1993)]
- Identification of PCB-Containing Capacitors (ANZECC 1997)
- Ozone Protection and Synthetic Greenhouse Gas Management Regulations 1995
- Ozone Protection and Synthetic Greenhouse Gas Management Amendment Regulation 2012 (No 1)
- Environmentally Hazardous Chemicals Act 1985
- Protection of the Environment Operations Act 1997



3 ASBESTOS REGISTER

Client:		AJC_24.11.2025 Council of Newington College			Date of Inspection:		07/10/2025	
Report Reference:		200-244 and 221-235 Stanmore Road, Stanmore NSW 2048			Report Date:		07/10/2025	
Newington College Centenary Hall & Amphitheatre								
Project Reference / Job No:		P25090095			Register Review Date:		Whenever a material has been removed, disturbed or conditions changed. At a minimum, every 1 years (2025)	

Sample Number	Primary Location	Specific Location	Material type	Estimated Quantity m²	Laboratory analysis result (Asbestos type)	Friable / non-friable	Sealed / Unsealed / Enclosed	Condition	Activities that may lead to further damage/ deterioration	Risk assessment	Control of risk	Photos
182319	Centenary Hall, Internal	Back of Stage	Electrical Backing Board	3 units	Positive	Non-Friable	Enclosed	Good	Renovation or Removal works	Low	Leave, Label in current condition, encapsulate any exposures areas with PVA or appropriate sealant. Remove the material prior to works which may disturb the material. If over 10m² remove using a Class B licenced asbestos contractor [Safe Work NSW] per the WHS Reg. (2017)	6
182320	Centenary Hall, Internal	Back of Stage, Behind Stage Floor	Under Flooring	10	Negative	-	-	Poor	-	-	-	-
182321	Centenary Hall, Internal	Level 3, Plantroom	Asbestos Sheeting, Upper Layer	8	Negative	-	-	Poor	-	-	-	-
182322	Centenary Hall, Internal	Level 3, Plantroom	Asbestos Sheeting, Lower Layer	12	Negative	-	-	Poor	-	-	-	-
182323	Centenary Hall, External	Mastic on pillars surrounding building	Mastic	30m	Positive	Friable	Unsealed	Poor	Student Activities, Renovation or Removal works	High	Immediately encapsulate any exposed asbestos containing mastic as a temporary measure and remove as soon as reasonably practicable as mastic is loose and unsealed posing a health risk to anyone who disturbs the material. Engage Class A safe work NSW. Friable Removal, Wrap and Cut Method, air monitoring, clearance by LAA.	7
182324	Amphitheatre, External	Fibro Sheeting adjacent to Centenary Hall & Water Tank	Fibro Cement Sheeting	18	Negative	-	-	Poor	-	-	-	-

Sample Number	Primary Location	Specific Location	Material type	Estimated Quantity m²	Laboratory analysis result (Asbestos type)	Friable / non-friable	Sealed / Unsealed / Enclosed	Condition	Activities that may lead to further damage/ deterioration	Risk assessment	Control of risk	Photos
182325	Amphitheatre, External	Fibro Sheeting adjacent to Centenary Hall & Water Tank	Eaves	120	Negative	-	-	Poor	-	-	-	-
182326	Amphitheatre, External	Throughout Amphitheatre	Expansion Joint	40m	Negative	-	-	Poor	-	-	-	-

Note: Please see Appendix B for unexpected find procedure when suspected asbestos-containing material that is not documented in this report is discovered.

4 SYNTHETIC MINERAL FIBRE

Sample Number	Primary Location	Specific Location	Material type	Estimated Quantity m²	Laboratory analysis result (Asbestos type)	Condition	Activities that may lead to further damage/ deterioration	Risk assessment	Control of risk	Photos
Not Sampled (Visual ID)	Centenary Hall	Throughout	HVAC Insulation	340	Presumed Positive	Good	Renovation or Removal works	Low	Leave and Maintain in Good Condition Conduct any works that may disturb SMF in accordance with the Synthetic Mineral Fibres National Standard (NOHSC:1004) and National Code of Practice (NOHSC:2006)	1
Not Sampled (Visual ID)	Centenary Hall	Classroom spaces on the ground floor, level 1 and level 2	Ceiling tiles	400	Presumed Positive	Good	Renovation or Removal works	Low	Leave and Maintain in Good Condition Conduct any works that may disturb SMF in accordance with the Synthetic Mineral Fibres National Standard (NOHSC:1004) and National Code of Practice (NOHSC:2006)	2
Not Sampled (Visual ID)	Centenary Hall	Throughout, primarily in plantroom and risers	Chilled water pipe insulation	50	Presumed Positive	Good	Renovation or Removal works	Low	Leave and Maintain in Good Condition Conduct any works that may disturb SMF in accordance with the Synthetic Mineral Fibres National Standard (NOHSC:1004) and National Code of Practice (NOHSC:2006)	3
Not Sampled (Visual ID)	Centenary Hall	Throughout, primarily in plantroom and risers	Hot water pipe insulation	50	Presumed Positive	Good	Renovation or Removal works	Low	Leave and Maintain in Good Condition Conduct any works that may disturb SMF in accordance with the Synthetic Mineral Fibres National Standard (NOHSC:1004) and National Code of Practice (NOHSC:2006)	4

5 LEAD

Sample umber	Primary Location	Specific Location	Material type	Estimated Quantity m²	Laboratory analysis result	Condition	Activities that may lead to further damage/ deterioration	Risk assessment	Control of risk	Photos
182309	Centenary Hall, Internal	Back of stage doors and door frames surrounding the stage	Blue Paint	12	0.20 %w/w	Good	Paint removal, maintenance, renovations or demolition work	Low	The hazardous flaking paint must first be removed and a clean conducted of the general vicinity to “Make Safe” the area prior to overpainting with a lead free substitute. Label maintain and ensure current condition of lead paint is maintained to reduce the potential risk of exposure to occupants.	8
182310	Centenary Hall, Internal	Level 1, male and female bathroom doors	Paint	5	0.007 %w/w	Good	-	-	-	-
182311	Centenary Hall, Internal	Front of house staircase	White lead paint	20	0.06 %w/w	Good	-	-	-	-
182312	Centenary Hall, Internal	Level 3, adjacent to and within plantroom	Dust	-	100 mg/kg	-	-	-	-	-
182313	Centenary Hall, Internal	Level 3, plantroom, hot water pipe	Green paint	15	0.005 %w/w	Good	-	-	-	-
182314	Centenary Hall, Internal	Level 3, plantroom, chilled water pipe	Blue paint	12	0.005 %w/w	Good	-	-	-	-
182315	Centenary Hall, Internal	Level 3, plantroom, HVAC & Vents	Blue Paint	15	0.009 %w/w	Good	-	-	-	-
182316	Centenary Hall, Internal	Level 3, plantroom, Walls	White Paint	40	<0.005 %w/w	Good	-	-	-	-

Sample umber	Primary Location	Specific Location	Material type	Estimated Quantity m ²	Laboratory analysis result	Condition	Activities that may lead to further damage/ deterioration	Risk assessment	Control of risk	Photos
182317	Centenary Hall, Internal	Handrail adjacent to level 3 plantroom	Grey Paint	8	0.81 %w/w	Good	Paint removal, maintenance, renovations or demolition work	Low	The hazardous flaking paint must first be removed and a clean conducted of the general vicinity to “Make Safe” the area prior to overpainting with a lead free substitute. Label maintain and ensure current condition of lead paint is maintained to reduce the potential risk of exposure to occupants.	9
182318	Centenary Hall, External	Window Frames surrounding façade	White Paint	30	<0.005	Poor	-	-	-	-

6 POLYCHLORINATED BIPHENYLS (PCB)

Sample Number	Primary Location	Specific Location	Material type	Estimated Quantity m ²	Laboratory analysis result (Asbestos type)	Condition	Activities that may lead to further damage/ deterioration	Risk assessment	Control of risk	Photos
No PCB identified during the investigation										

7 MERCURY

Sample Number	Primary Location	Specific Location	Material type	Estimated Quantity m ²	Laboratory analysis result (Asbestos type)	Condition	Activities that may lead to further damage/ deterioration	Risk assessment	Control of risk	Photos
Visually identified	Throughout Centenary Hall	Primarily in the plantroom and	Mercury in old Lightings	10 units	Presumed Positive	Good	Renovation or Removal Works	Low	Leave and Maintain in Good Condition. If damaged replace with non-mercury containing lighting in line with Recycling and Waste Reduction (Mandatory Product Stewardship—Mercury-added Products) Rules 2021	5

8 PHOTOGRAPHS



Photo 1: Assumed SMF insulation for HVAC system in Centenary Hall



Photo 2: Assumed SMF ceiling tiles in bathrooms, classrooms and offices in Centenary Hall



Photo 3: Assumed SMF insulation surrounding chilled water pipe in Centenary Hall



Photo 4: Assumed SMF insulation surrounding hot water pipe in Centenary Hall



Photo 5: Assumed mercury containing lightings throughout Centenary Hall

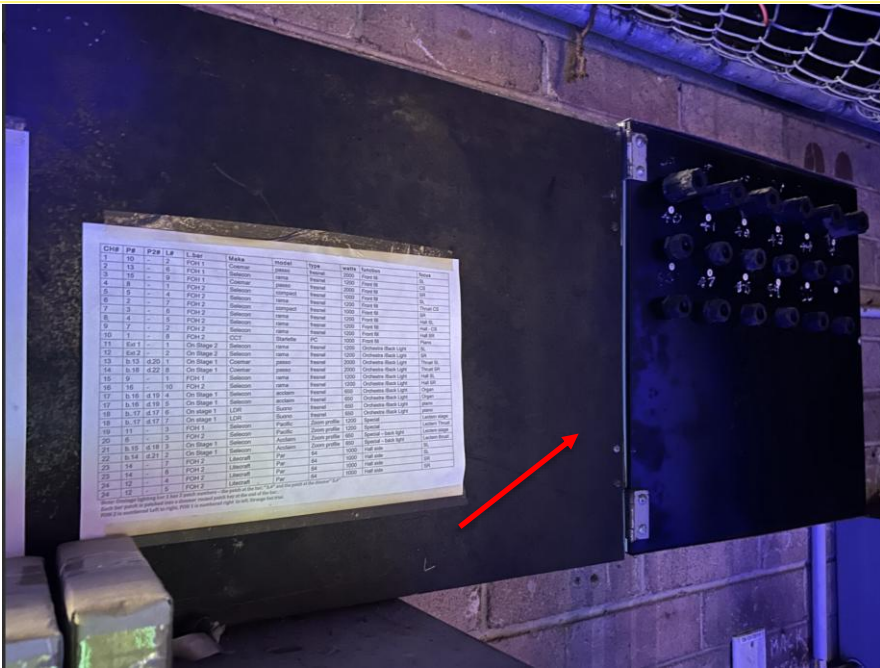


Photo 6: Asbestos containing electrical backing board, back of stage, Centenary Hall



Photo 7: Asbestos containing mastic around pillars at Centenary Hall's exterior

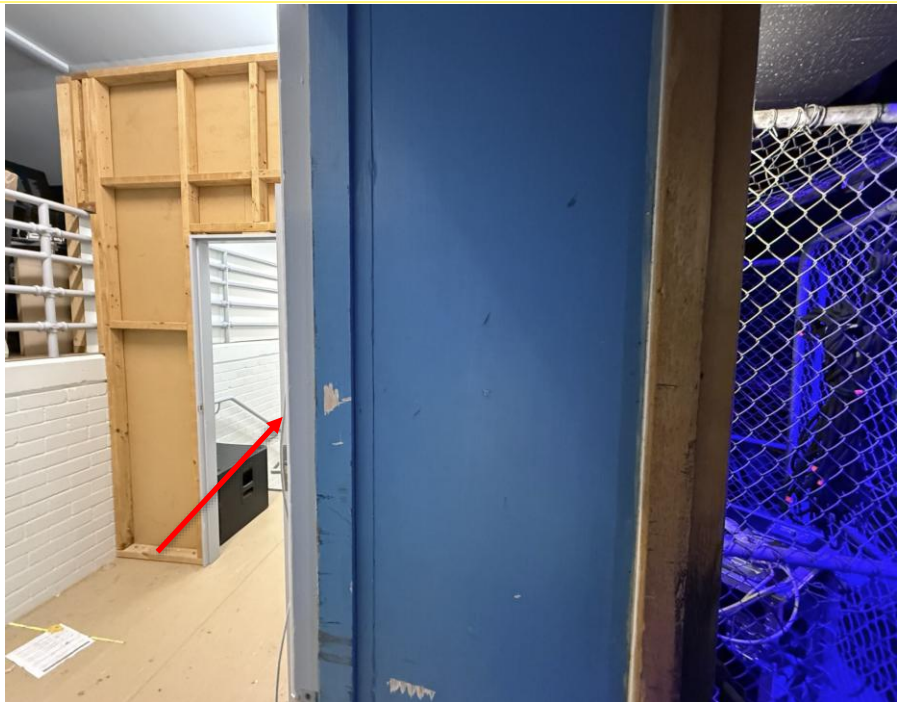


Photo 8: Blue lead containing paint on doors and door frames surrounding backstage in Centenary Hall



Photo 9: Grey lead containing paint on handrail, L02-L03 Ladder to plantroom

APPENDIX A: RECOMMENDATIONS FOR MANAGING ASBESTOS

All asbestos that is identified or assumed to be present must be managed in accordance with ***Occupational Health and Safety Regulations 2017 (Part 4.4, Division 5)*** and the Managing asbestos in the workplace: Compliance code (WorkSafe NSW 2022).

The general requirements for managing asbestos are as follows:

- Identify asbestos and ACM at the workplace and record on the asbestos register (this report satisfies this requirement)
- Assess the risk of exposure to airborne asbestos (this report satisfies this requirement)
- Develop an asbestos management plan that sets out how asbestos or ACM that is identified at the workplace will be managed
- Minimise the risk by implementing control measures
- Eliminate the risk by removing asbestos or ACM
- Review and revise the asbestos register and asbestos management plan when things change (at least once every five years)

APPENDIX B: UNEXPECTED FINDS PROCEDURE

In the event that a suspected asbestos containing material that is not documented in this report is discovered at the site the following procedure should be applied:

- Stop working, vacate the area and restrict access to the area where the potential asbestos has been found.
- Consult CETEC or a hazmat competent person as soon as possible to assess the risk and test the material.
- CETEC will reassess the risk and analyse the sample using NATA accredited laboratory and update relevant registers, at **no additional costs**.
- Remove the asbestos materials or implement control of risk mentioned in the register to make safe before continuing other works.

APPENDIX C: LABORATORY ANALYSIS CERTIFICATES



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CERTIFICATE OF ANALYSIS 392384

Client Details	
Client	Cetec Pty Ltd (Sydney)
Attention	Ashton Prochazka
Address	Unit 3, 216 Willoughby Road, NAREMBURN, NSW, 2065

Sample Details	
Your Reference	<u>F25090095.000</u>
Number of Samples	9 Paint, 1 Dust, 8 Material
Date samples received	07/10/2025
Date completed instructions received	07/10/2025

Analysis Details	
Please refer to the following pages for results, methodology summary and quality control data.	
Samples were analysed as received from the client unless as indicated below in the method summaries. Results relate specifically to the samples as received.	
Results are reported on a dry weight basis for solids and on an as received basis for other matrices.	
Please refer to the last page of this report for any comments relating to the results.	

Report Details	
Date results requested by	14/10/2025
Date of Issue	14/10/2025
NATA Accreditation Number 2901. This document shall not be reproduced except in full.	
Accredited for compliance with ISO/IEC 17025 - Testing. Tests not covered by NATA are denoted with *	

Asbestos Approved By

Analysed by Asbestos Approved Analyst: Lucy Zhu
 Authorised by Asbestos Approved Signatory: Lucy Zhu

Results Approved By

Giovanni Agosti, Group Technical Manager
 Loren Bardwell, Development Chemist
 Lucy Zhu, Asbestos Supervisor

Authorised By

Nancy Zhang, Laboratory Manager

Envirolab Reference: 392384
 Revision No: R00



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Client Reference: F25090095.000

Lead (dust)		
Our Reference		392384-4
Your Reference	UNITS	182312
Type of sample		Dust
Date prepared	-	08/10/2025
Date analysed	-	09/10/2025
Lead	mg/kg	100

Client Reference: F25090095.000

Lead in Paint						
Our Reference		392384-1	392384-2	392384-3	392384-5	392384-6
Your Reference	UNITS	182309	182310	182311	182313	182314
Type of sample		Paint	Paint	Paint	Paint	Paint
Date prepared	-	08/10/2025	08/10/2025	08/10/2025	08/10/2025	08/10/2025
Date analysed	-	08/10/2025	08/10/2025	08/10/2025	08/10/2025	08/10/2025
Lead in paint	%w/w	0.20	0.007	0.060	0.005	0.005

Lead in Paint					
Our Reference		392384-7	392384-8	392384-9	392384-10
Your Reference	UNITS	182315	182316	182317	182318
Type of sample		Paint	Paint	Paint	Paint
Date prepared	-	08/10/2025	08/10/2025	08/10/2025	08/10/2025
Date analysed	-	08/10/2025	08/10/2025	08/10/2025	08/10/2025
Lead in paint	%w/w	0.009	<0.005	0.81	<0.005

Client Reference: F25090095.000

Asbestos ID - materials						
Our Reference		392384-11	392384-12	392384-13	392384-14	392384-15
Your Reference	UNITS	182319	182320	182321	182322	182323
Type of sample		Material	Material	Material	Material	Material
Date analysed	-	13/10/2025	13/10/2025	13/10/2025	13/10/2025	13/10/2025
Mass / Dimension of Sample	-	20x15x1mm	100x40x4mm	20x15x1mm	20x10x1mm	20x10x1mm
Sample Description	-	Black bituminous material	Green vinyl tile & fibrous backing	Beige fibrous debris	Pink fibrous debris	Grey mastic debris
Asbestos ID in materials	-	Chrysotile asbestos detected	No asbestos detected Organic fibres detected	No asbestos detected Organic fibres detected	No asbestos detected Organic fibres detected	Chrysotile asbestos detected
Trace Analysis	-	[NT]	No asbestos detected	No asbestos detected	No asbestos detected	[NT]

Asbestos ID - materials				
Our Reference		392384-16	392384-17	392384-18
Your Reference	UNITS	182324	182325	182326
Type of sample		Material	Material	Material
Date analysed	-	13/10/2025	13/10/2025	13/10/2025
Mass / Dimension of Sample	-	25x20x2mm	20x10x1mm	25x15x6mm
Sample Description	-	Grey fibrous debris	Beige fibrous debris	Black bituminous material
Asbestos ID in materials	-	No asbestos detected Organic fibres detected	No asbestos detected Organic fibres detected	No asbestos detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected

Client Reference: F25090095.000

Method ID	Methodology Summary
ASB-001	Asbestos ID - Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques including Synthetic Mineral Fibre and Organic Fibre as per Australian Standard 4964-2004.
Metals-020	Determination of various metals/elements by ICP-AES. Total Phosphate determined stoichiometrically from Phosphorus (assumed to be present as Phosphate). Where salts (oxides, chlorides etc.) are calculated from the element concentration stoichiometrically there is no guarantee that the salt form is completely soluble in the acids used in the preparation. Submission of low masses of sample e.g. for dust samples, may result in raised PQLs. Where molecular anion forms are calculated from an element (e.g. SO₄ from S or PO₄ from P stoichiometrically), the assumption is that the element is only present in that molecular anion form.
Metals-020/021/022	Digestion of Paint chips/scrapings/liquids for Metals determination by ICP-AES/MS and or CV/AAS.

Client Reference: F25090095.000

QUALITY CONTROL: Lead (dust)					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date prepared	-			08/10/2025	[NT]	[NT]	[NT]	[NT]	08/10/2025	[NT]
Date analysed	-			09/10/2025	[NT]	[NT]	[NT]	[NT]	09/10/2025	[NT]
Lead	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	97	[NT]

Client Reference: F25090095.000

QUALITY CONTROL: Lead in Paint					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-2	[NT]
Date prepared	-			08/10/2025	[NT]	[NT]	[NT]	[NT]	08/10/2025	[NT]
Date analysed	-			08/10/2025	[NT]	[NT]	[NT]	[NT]	08/10/2025	[NT]
Lead in paint	%w/w	0.005	Metals-020/021/022	<0.005	[NT]	[NT]	[NT]	[NT]	100	[NT]

Client Reference: F25090095.000

Result Definitions	
NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions	
Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Client Reference: F25090095.000

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Air volumes are typically provided by customers (often as flow rate(s) and sampling time(s) and/or simply volumes) sampled or exposure times (determines 'volume' passive badges are exposed to)). Hence in such circumstances the volume measurement is inevitably not covered by Envirolab's NATA accreditation. An exception may occur where Envirolab Newcastle does the sampling where accreditation exists for certain types of sampling and hence volume determination(s). Note air volumes are often used to determine concentrations for dust and/or analyses on filters, sorbents and in impingers. For canister sampling, the air volume is covered by Envirolab's NATA accreditation.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

For Dust Deposit Gauge (DDG) analysis the sampling, sampling period and funnel exposure area do not fall under Envirolab's NATA accreditation (unless the Newcastle laboratory where responsible for the sampling), hence the annotation on the DDG units of reporting.

Urine Analysis - The BEI values listed are taken from the 2022 edition of "TLVs and BEIs Threshold Limits" by ACGIH.



Client Reference: F25090095.000

Report Comments

Acid Extractable Metals in Paint: Minimal sample was supplied for samples #5 & #6 (<0.01g).

Envirolab Reference: 392384
Revision No: R00

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