

Hazardous Materials Remediation Clearance Certificate

Compliant with Safe Work Australia Code of Practice: Workplace Exposure Standard for Airborne Contaminants (2011)

Project Information

Client: Australian National University

Contact: 
Lennox Crossing, Acton ACT 2600

Project number: 2171079F

Site Details

Site: Building 75 D,G,H

Specific work area(s)/room(s): Exterior paint remediation and environmental cleaning

Description of removal works

Removal contractor: AGH Demolition and Asbestos Removal Pty Ltd

Date of removal: 28th April 2017 to 30th April 2017


Scope of work: AGH Demolition and Asbestos Removal Pty Ltd was engaged to undertake the following;

- Carry out environmental cleaning of interior areas affected by lead dust
- Awaiting dust sampling from NATA laboratory

Heritage Painters Pty Ltd

- Seal and encapsulate lead paint within the cleaning acrylic paint, seal all remaining surfaces on northern exterior of Building 75H

Clearance Inspection following Removal

Inspected By: 
The lead contaminated dust from the areas was removed in accordance with the scope of works and encapsulated and sealed with a paint emulsion. Exterior northern portion of Building 75H
The lead contaminated dust and solid waste from the interior was removed in accordance with the scope of works.

No inspection was carried out to areas that were not included in the scope.

Date and time of inspection:

30th April 2017 at 15:50hrs

Areas not accessed:

N/A

Evidence of Paint/sealant application:

Yes

Visual inspection satisfactory:

Yes

Comments:

Parsons Brinckerhoff inspected the area and visually determined that the hazardous containing materials mentioned above in the scope of works have been removed as far as reasonably practicable. This inspection certificate is valid for areas which were visually accessible at the time of inspection. The areas can now be returned to normal use.

WIP Airborne Lead Monitoring

WIP air monitoring conducted:

Yes

Results of air monitoring satisfactory:

Awaiting

Comments:

This is only an interim Clearance, WSP Australia is waiting on the NATA laboratory results for the air monitoring and dust sampling undertaken during the remediation.

Conclusion

Based on the above findings the work area/site is considered safe for reoccupation/ next stage of works to commence.

Issued by:

A black rectangular redaction box covering the name of the issuer.

Signature:

A black rectangular redaction box covering the signature.

Date issued: 05/05/2017

Standard Limitations of a Clearance Certificate

A visual inspection was undertaken to assess whether visible asbestos material was removed. Inspections are only carried out to the areas detailed to be removed and are conducted where access is available. Specifically no inspection has been carried out to areas that may require further remediation to verify the presence of asbestos. It should be noted that no inspection can be regarded as absolute and that additional asbestos may be encountered or uncovered upon further inspection, building works, or excavation. The inspection was carried out at the time of the completion of the remediation works and was dependent upon site conditions at that time. Parsons Brinckerhoff accepts no responsibility or liability for the completeness of the removal. Comments above regarding the aspects of the inspection also form limitations. The contractor's responsibilities included:

- Ensuring that work methods and procedures comply with the relevant legislation, codes of practice and industry standards, and undertake work in accordance with technical specifications.
- Employing suitably trained, skilled and competent staff.
- Ensuring that contractors are inducted in safe work procedures for asbestos materials/products.
- Obtaining the necessary approvals from regulatory authorities prior to starting any asbestos removal or maintenance activities.
- Ensuring that all work is conducted in a safe and competent manner.

Appendix A

Summary of NATA Laboratory Results

ANU Child-care Building 75D,G & H
Lead Remediation Project
Results Summary

| Date | Sampling Location | Identification Number | NATA Lab Result | Comments |
|------------------------|-------------------------------------|-----------------------|-----------------|---------------------------|
| Baseline | | | | |
| 28/03/2017 | Building D Kitchen | 30/30 (CBR-04) | <1 | Base-line Data |
| 28/03/2017 | A722 Pre-schooler Room | 29/30 (CBR-06) | 6 | Base-line Data |
| 28/03/2017 | A721 Building G Kitchen Bench | 28/30 (CBR-09) | <1 | Base-line Data |
| 28/03/2017 | A721 Building G Centre of Room | 27/30 (CBR-03) | <1 | Base-line Data |
| 28/03/2017 | A718 Building G Adjacent Door | 26/30 (M-14) | <1 | Base-line Data |
| 28/03/2017 | A718 Building G Nappy Room | 25/30 (CBR-01) | <1 | Base-line Data |
| 28/03/2017 | A717 Building H Sleeping Room | 24/30 (ID-52) | <1 | Base-line Data |
| 28/03/2017 | A716 Staff Room | 23/30 (CBR-07) | <1 | Base-line Data |
| 28/03/2017 | A714 Exterior beside doorway | 22/30 (CBR-01) | <1 | Base-line Data |
| Painting | | | | |
| 28/03/2017 | Outside of toilet area | 07/24 (ID-100) | <1 | Background air monitoring |
| 28/03/2017 | Site fence adjacent to sand-pit | 08/24 (ID-99) | <1 | Background air monitoring |
| 28/03/2017 | Northern side of sandpit | 09/24 (4) | <1 | Background air monitoring |
| 28/03/2017 | Inside toilet area close to sandpit | 10/24 (N-5) | <1 | Background air monitoring |
| 28/03/2017 | Cubby House Verandah | 11/24 (ID-54) | <1 | Background air monitoring |
| 28/03/2017 | Quiet area centre of outdoor area | 12/24 (PB-6) | <1 | Background air monitoring |
| Enviro Cleaning | | | | |
| 29/04/2017 | A717 Cot Room Doorway | 08/30 (N-5) | <1 | Background air monitoring |
| 29/04/2017 | A717 Kitchen Doorway | 21/30 (CBR-04) | <1 | Background air monitoring |
| 29/04/2017 | A716 Staff Room | 02/30 (CBR-05) | <1 | Background air monitoring |
| 29/04/2017 | A716 Staff Room lounge area | 01/30 (4) | <1 | Background air monitoring |
| 29/04/2017 | A714 Outside hat rack | 01/20 (ID-99) | <1 | Background air monitoring |
| 29/04/2017 | A714 Outside staff in play area | 02/20 (CBR-07) | <1 | Background air monitoring |
| 29/04/2017 | A721 Kitchen Bench | 03/20 (ID-100) | <1 | Background air monitoring |
| 29/04/2017 | A718/7121 Kitchen round end | 04/20 (CBR-03) | <1 | Background air monitoring |
| 29/04/2017 | A718 Nappy Change Room | 05/20 (CBR-09) | <1 | Background air monitoring |
| 29/04/2017 | A722 Kitchen bench area | 06/20 (ID-54) | <1 | Background air monitoring |
| 29/04/2017 | A722 Southern area of room | 07/20 (CBR-02) | <1 | Background air monitoring |
| 29/04/2017 | A721 Centre of room | 08/20 (ID-45) | <1 | Background air monitoring |
| 29/04/2017 | A721 Top of kitchen cupboards | PB-238149 | 1 | Dust Sample |
| 29/04/2017 | A714 Picture rail | PB-238145 | <1 | Dust Sample |
| 29/04/2017 | A716 Top shelf beside flower pot | PB-238146 | <1 | Dust Sample |
| 29/04/2017 | A721 Top of wall cupboard | PB-238150 | <1 | Dust Sample |
| 29/04/2017 | A718 Ledge near door | PB-238151 | 2 | Dust Sample |
| 29/04/2017 | A721 A/con Unit | PB-238152 | <1 | Dust Sample |
| 29/04/2017 | A722 A/con Unit | PB-238153 | 3 | Dust Sample |
| 29/04/2017 | A722 Top of First Aid box | PB-238154 | <1 | Dust Sample |
| 29/04/2017 | A717 Above doorway | PB-238155 | <1 | Dust Sample |
| 29/04/2017 | A717 Door step | PB-238156 | 2 | Dust Sample |
| Painting | | | | |
| 29/04/2017 | Site Fence adjacent toilet | 04/30 (CBR-01) | <1 | Background air monitoring |
| 29/04/2017 | Site Fence north | 07/30 (PB-6) | <1 | Background air monitoring |

| | | | | | |
|------------|-------------------------|-------|----------|----|---------------------------|
| 29/04/2017 | Cubby House Verandah | 03/30 | (M-19) | <1 | Background air monitoring |
| 29/04/2017 | Western Fence | 06/30 | (ID-52) | <1 | Background air monitoring |
| 29/04/2017 | South end of site fence | 05/30 | (CBR-06) | <1 | Background air monitoring |

Painting

| | | | | | |
|------------|-------------------------------------|-------|----------|----|---------------------------|
| 30/04/2017 | Outside adjacent toilet Building D | 09/20 | (CBR-06) | <1 | Background air monitoring |
| 30/04/2017 | Outside area in centre of play area | 10/20 | (CBR-02) | <1 | Background air monitoring |
| 30/04/2017 | South end of shade cloth (sandpit) | 11/20 | (ID-52) | <1 | Background air monitoring |
| 30/04/2017 | Cubby House Verandah | 12/20 | (M-19) | <1 | Background air monitoring |
| 30/04/2017 | Western fence of sand-pit | 13/20 | (CBR-04) | <1 | Background air monitoring |
| 30/04/2017 | Eastern side of sandpit | 14/20 | (PB-6) | <1 | Background air monitoring |

Appendix B

NATA Laboratory Results



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email: sydney@envirolab.com.au
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Envirolab Services Pty Ltd - Sydney | ABN 37 112 535 645

CERTIFICATE OF ANALYSIS

166223

Client:

WSP Australia Pty Limited
GPO Box 5394
Sydney
NSW 2001

Attention: Warren Lal, Garry Miller

Sample log in details:

| | |
|---|----------------------------------|
| Your Reference: | 2171079F / ANU Child Care |
| No. of samples: | 38 filter, 12 dust |
| Date samples received / completed instructions received | 03/05/17 / 03/05/17 |

Analysis Details:

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. 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: / Issue Date: 4/05/17 / 4/05/17

Date of Preliminary Report: Not Issued

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 *.**

Results Approved By:

David Springer
General Manager

Envirolab Reference: 166223
Revision No: R 00



| | | | | | | |
|--|---------------------|----------------------------|----------------------------|----------------------------|----------------------------|--------------------------|
| Lead on filter Our Reference: Your Reference | UNITS ----- - | 166223-1 30/30 (CBR-04) | 166223-2 29/30 (CBR-06) | 166223-3 28/30 (CBR-09) | 166223-4 27/30 (CBR-03) | 166223-5 26/30 (M-14) |
| Date Sampled Type of sample | ----- Filter | 28/04/2017 Filter | 28/04/2017 Filter | 28/04/2017 Filter | 28/04/2017 Filter | 28/04/2017 Filter |
| Date prepared | - | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Date analysed | - | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Lead | µg/filter | <1 | 6 | <1 | <1 | <1 |

| | | | | | | |
|--|---------------------|----------------------------|---------------------------|----------------------------|----------------------------|-----------------------------|
| Lead on filter Our Reference: Your Reference | UNITS ----- - | 166223-6 25/30 (CBR-01) | 166223-7 24/30 (ID-52) | 166223-8 23/30 (CBR-07) | 166223-9 22/30 (CBR-05) | 166223-10 07/24 (ID-100) |
| Date Sampled Type of sample | ----- Filter | 28/04/2017 Filter | 28/04/2017 Filter | 28/04/2017 Filter | 28/04/2017 Filter | 28/04/2017 Filter |
| Date prepared | - | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Date analysed | - | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Lead | µg/filter | <1 | <1 | <1 | <1 | <1 |

| | | | | | | |
|--|---------------------|---------------------------|-----------------------|--------------------------|----------------------------|---------------------------|
| Lead on filter Our Reference: Your Reference | UNITS ----- - | 166223-11 8/24 (ID-99) | 166223-12 9/24 (4) | 166223-13 10/24 (N-5) | 166223-14 11/24 (ID-54) | 166223-15 12/24 (PB-6) |
| Date Sampled Type of sample | ----- Filter | 28/04/2017 Filter | 28/04/2017 Filter | 28/04/2017 Filter | 28/04/2017 Filter | 28/04/2017 Filter |
| Date prepared | - | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Date analysed | - | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Lead | µg/filter | <1 | <1 | <1 | <1 | <1 |

| | | | | | | |
|--|---------------------|-------------------------|-----------------------------|----------------------------|--------------------------|---------------------------|
| Lead on filter Our Reference: Your Reference | UNITS ----- - | 166223-16 8/30 (N-5) | 166223-17 21/30 (CBR-04) | 166223-18 4/30 (CBR-01) | 166223-19 7/30 (PB-6) | 166223-20 03/03 (M-19) |
| Date Sampled Type of sample | ----- Filter | 29/04/2017 Filter | 29/04/2017 Filter | 29/04/2017 Filter | 29/04/2017 Filter | 29/04/2017 Filter |
| Date prepared | - | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Date analysed | - | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Lead | µg/filter | <1 | <1 | <1 | <1 | <1 |

| | | | | | | |
|--|---------------------|---------------------------|-----------------------------|-----------------------------|------------------------|----------------------------|
| Lead on filter Our Reference: Your Reference | UNITS ----- - | 166223-21 6/30 (ID-52) | 166223-22 05/30 (CBR-06) | 166223-23 02/30 (CBR-05) | 166223-24 01/30 (4) | 166223-25 01/20 (ID-99) |
| Date Sampled Type of sample | ----- Filter | 29/04/2017 Filter | 29/04/2017 Filter | 29/04/2017 Filter | 29/04/2017 Filter | 29/04/2017 Filter |
| Date prepared | - | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Date analysed | - | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Lead | µg/filter | <1 | <1 | <1 | <1 | <1 |

| | | | | | | |
|--|---------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| Lead on filter Our Reference: Your Reference | UNITS ----- - | 166223-26 02/20 (CBR-07) | 166223-27 03/20 (ID-100) | 166223-28 04/20 (CBR-03) | 166223-29 05/20 (CBR-09) | 166223-30 06/20 (ID-54) |
| Date Sampled Type of sample | ----- Filter | 29/04/2017 Filter | 29/04/2017 Filter | 29/04/2017 Filter | 29/04/2017 Filter | 29/04/2017 Filter |
| Date prepared | - | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Date analysed | - | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Lead | µg/filter | <1 | <1 | <1 | <1 | <1 |

| | | | | | | |
|--|---------------------|-----------------------------|----------------------------|-----------------------------|-----------------------------|----------------------------|
| Lead on filter Our Reference: Your Reference | UNITS ----- - | 166223-31 07/20 (CBR-02) | 166223-32 08/20 (ID-45) | 166223-33 09/20 (CBR-06) | 166223-34 10/20 (CBR-02) | 166223-35 11/20 (ID-52) |
| Date Sampled Type of sample | ----- Filter | 29/04/2017 Filter | 29/04/2017 Filter | 30/04/2017 Filter | 30/04/2017 Filter | 30/04/2017 Filter |
| Date prepared | - | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Date analysed | - | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Lead | µg/filter | <1 | <1 | <1 | <1 | <1 |

| | | | | |
|--|---------------------|---------------------------|-----------------------------|---------------------------|
| Lead on filter Our Reference: Your Reference | UNITS ----- - | 166223-36 12/20 (M-19) | 166223-37 13/20 (CBR-04) | 166223-38 14/20 (PB-6) |
| Date Sampled Type of sample | ----- Filter | 30/04/2017 Filter | 30/04/2017 Filter | 30/04/2017 Filter |
| Date prepared | - | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Date analysed | - | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Lead | µg/filter | <1 | <1 | <1 |

| | | | | | | |
|------------------------------|-------|----------------|----------------|----------------|----------------|--------------|
| Total Suspended Particulates | | | | | | |
| Our Reference: | UNITS | 166223-1 | 166223-2 | 166223-3 | 166223-4 | 166223-5 |
| Your Reference | ----- | 30/30 (CBR-04) | 29/30 (CBR-06) | 28/30 (CBR-09) | 27/30 (CBR-03) | 26/30 (M-14) |
| | - | | | | | |
| Date Sampled | ----- | 28/04/2017 | 28/04/2017 | 28/04/2017 | 28/04/2017 | 28/04/2017 |
| Type of sample | | Filter | Filter | Filter | Filter | Filter |
| Date prepared | - | 28/04/2017 | 28/04/2017 | 28/04/2017 | 28/04/2017 | 28/04/2017 |
| Date analysed | - | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Weight of Filter (before) | g | 0.01729 | 0.01715 | 0.01718 | 0.01724 | 0.01714 |
| Weight of Filter (after) | g | 0.01729 | 0.01715 | 0.01718 | 0.01726 | 0.01714 |
| Total Suspended Particulates | g | 0.00000 | 0.00000 | 0.00000 | 0.00002 | 0.00000 |

| | | | | | | |
|------------------------------|-------|----------------|---------------|----------------|----------------|----------------|
| Total Suspended Particulates | | | | | | |
| Our Reference: | UNITS | 166223-6 | 166223-7 | 166223-8 | 166223-9 | 166223-10 |
| Your Reference | ----- | 25/30 (CBR-01) | 24/30 (ID-52) | 23/30 (CBR-07) | 22/30 (CBR-05) | 07/24 (ID-100) |
| | - | | | | | |
| Date Sampled | ----- | 28/04/2017 | 28/04/2017 | 28/04/2017 | 28/04/2017 | 28/04/2017 |
| Type of sample | | Filter | Filter | Filter | Filter | Filter |
| Date prepared | - | 28/04/2017 | 28/04/2017 | 28/04/2017 | 28/04/2017 | 28/04/2017 |
| Date analysed | - | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Weight of Filter (before) | g | 0.01689 | 0.01685 | 0.01689 | 0.01697 | 0.01715 |
| Weight of Filter (after) | g | 0.01691 | 0.01692 | 0.01689 | 0.01705 | 0.01715 |
| Total Suspended Particulates | g | 0.00002 | 0.00007 | 0.00000 | 0.00008 | 0.00000 |

| | | | | | | |
|------------------------------|-------|--------------|------------|-------------|---------------|--------------|
| Total Suspended Particulates | | | | | | |
| Our Reference: | UNITS | 166223-11 | 166223-12 | 166223-13 | 166223-14 | 166223-15 |
| Your Reference | ----- | 8/24 (ID-99) | 9/24 (4) | 10/24 (N-5) | 11/24 (ID-54) | 12/24 (PB-6) |
| | - | | | | | |
| Date Sampled | ----- | 28/04/2017 | 28/04/2017 | 28/04/2017 | 28/04/2017 | 28/04/2017 |
| Type of sample | | Filter | Filter | Filter | Filter | Filter |
| Date prepared | - | 28/04/2017 | 28/04/2017 | 28/04/2017 | 28/04/2017 | 28/04/2017 |
| Date analysed | - | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Weight of Filter (before) | g | 0.01687 | 0.01676 | 0.01670 | 0.01686 | 0.01690 |
| Weight of Filter (after) | g | 0.01693 | 0.01678 | 0.01673 | 0.01686 | 0.01691 |
| Total Suspended Particulates | g | 0.00006 | 0.00002 | 0.00003 | 0.00000 | 0.00001 |

| | | | | | | |
|------------------------------|-------|------------|----------------|---------------|-------------|--------------|
| Total Suspended Particulates | | | | | | |
| Our Reference: | UNITS | 166223-16 | 166223-17 | 166223-18 | 166223-19 | 166223-20 |
| Your Reference | ----- | 8/30 (N-5) | 21/30 (CBR-04) | 4/30 (CBR-01) | 7/30 (PB-6) | 03/03 (M-19) |
| | - | | | | | |
| Date Sampled | ----- | 29/04/2017 | 29/04/2017 | 29/04/2017 | 29/04/2017 | 29/04/2017 |
| Type of sample | | Filter | Filter | Filter | Filter | Filter |
| Date prepared | - | 29/04/2017 | 29/04/2017 | 29/04/2017 | 29/04/2017 | 29/04/2017 |
| Date analysed | - | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Weight of Filter (before) | g | 0.01678 | 0.01669 | 0.01778 | 0.01807 | 0.01757 |
| Weight of Filter (after) | g | 0.01687 | 0.01670 | 0.01778 | 0.01807 | 0.01767 |
| Total Suspended Particulates | g | 0.00009 | 0.00001 | 0.00000 | 0.00000 | 0.00010 |

| | | | | | | |
|--|---------------------|---------------------------|-----------------------------|-----------------------------|------------------------|----------------------------|
| Total Suspended Particulates Our Reference: Your Reference | UNITS ----- - | 166223-21 6/30 (ID-52) | 166223-22 05/30 (CBR-06) | 166223-23 02/30 (CBR-05) | 166223-24 01/30 (4) | 166223-25 01/20 (ID-99) |
| Date Sampled Type of sample | ----- Filter | 29/04/2017 Filter | 29/04/2017 Filter | 29/04/2017 Filter | 29/04/2017 Filter | 29/04/2017 Filter |
| Date prepared | - | 29/04/2017 | 29/04/2017 | 29/04/2017 | 29/04/2017 | 29/04/2017 |
| Date analysed | - | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Weight of Filter (before) | g | 0.01806 | 0.01694 | 0.01711 | 0.01734 | 0.01661 |
| Weight of Filter (after) | g | 0.01812 | 0.01719 | 0.01715 | 0.01734 | 0.01664 |
| Total Suspended Particulates | g | 0.00006 | 0.00025 | 0.00004 | 0.00000 | 0.00003 |

| | | | | | | |
|--|---------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| Total Suspended Particulates Our Reference: Your Reference | UNITS ----- - | 166223-26 02/20 (CBR-07) | 166223-27 03/20 (ID-100) | 166223-28 04/20 (CBR-03) | 166223-29 05/20 (CBR-09) | 166223-30 06/20 (ID-54) |
| Date Sampled Type of sample | ----- Filter | 29/04/2017 Filter | 29/04/2017 Filter | 29/04/2017 Filter | 29/04/2017 Filter | 29/04/2017 Filter |
| Date prepared | - | 29/04/2017 | 29/04/2017 | 29/04/2017 | 29/04/2017 | 29/04/2017 |
| Date analysed | - | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Weight of Filter (before) | g | 0.01675 | 0.01672 | 0.01675 | 0.01683 | 0.01678 |
| Weight of Filter (after) | g | 0.01681 | 0.01679 | 0.01683 | 0.01689 | 0.01678 |
| Total Suspended Particulates | g | 0.00006 | 0.00007 | 0.00008 | 0.00006 | 0.00000 |

| | | | | | | |
|--|---------------------|-----------------------------|----------------------------|-----------------------------|-----------------------------|----------------------------|
| Total Suspended Particulates Our Reference: Your Reference | UNITS ----- - | 166223-31 07/20 (CBR-02) | 166223-32 08/20 (ID-45) | 166223-33 09/20 (CBR-06) | 166223-34 10/20 (CBR-02) | 166223-35 11/20 (ID-52) |
| Date Sampled Type of sample | ----- Filter | 29/04/2017 Filter | 29/04/2017 Filter | 30/04/2017 Filter | 30/04/2017 Filter | 30/04/2017 Filter |
| Date prepared | - | 29/04/2017 | 29/04/2017 | 30/04/2017 | 30/04/2017 | 30/04/2017 |
| Date analysed | - | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Weight of Filter (before) | g | 0.01687 | 0.01683 | 0.01688 | 0.01707 | 0.01709 |
| Weight of Filter (after) | g | 0.01691 | 0.01690 | 0.01702 | 0.01714 | 0.01714 |
| Total Suspended Particulates | g | 0.00004 | 0.00007 | 0.00014 | 0.00007 | 0.00005 |

| | | | | |
|--|---------------------|---------------------------|-----------------------------|---------------------------|
| Total Suspended Particulates Our Reference: Your Reference | UNITS ----- - | 166223-36 12/20 (M-19) | 166223-37 13/20 (CBR-04) | 166223-38 14/20 (PB-6) |
| Date Sampled Type of sample | ----- Filter | 30/04/2017 Filter | 30/04/2017 Filter | 30/04/2017 Filter |
| Date prepared | - | 30/04/2017 | 30/04/2017 | 30/04/2017 |
| Date analysed | - | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Weight of Filter (before) | g | 0.01714 | 0.01719 | 0.01739 |
| Weight of Filter (after) | g | 0.01716 | 0.01724 | 0.01743 |
| Total Suspended Particulates | g | 0.00002 | 0.00005 | 0.00004 |

| | | | | | | |
|-------------------------------|-----------|------------|------------|------------|------------|------------|
| Metals in Miscellaneous Media | | | | | | |
| Our Reference: | UNITS | 166223-39 | 166223-40 | 166223-41 | 166223-42 | 166223-43 |
| Your Reference | ----- | PB-238149 | PB-238145 | PB-238146 | PB-238150 | PB-238151 |
| | - | | | | | |
| Date Sampled | ----- | 29/04/2017 | 29/04/2017 | 29/04/2017 | 29/04/2017 | 29/04/2017 |
| Type of sample | | Filter | Dust | Dust | Dust | Dust |
| Date prepared | - | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Date analysed | - | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Lead* | µg/sample | 1 | <1 | <1 | 2 | <1 |

| | | | | | | |
|-------------------------------|-----------|------------|------------|------------|------------|------------|
| Metals in Miscellaneous Media | | | | | | |
| Our Reference: | UNITS | 166223-44 | 166223-45 | 166223-46 | 166223-47 | 166223-48 |
| Your Reference | ----- | PB-238152 | PB-238153 | PB-238154 | PB-238155 | PB-238156 |
| | - | | | | | |
| Date Sampled | ----- | 29/04/2017 | 29/04/2017 | 29/04/2017 | 29/04/2017 | 29/04/2017 |
| Type of sample | | Dust | Dust | Dust | Dust | Dust |
| Date prepared | - | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Date analysed | - | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 | 03/05/2017 |
| Lead* | µg/sample | <1 | 3 | <1 | <1 | 2 |

| | | | |
|-------------------------------|-----------|------------|------------|
| Metals in Miscellaneous Media | | | |
| Our Reference: | UNITS | 166223-49 | 166223-50 |
| Your Reference | ----- | PB-238147 | PB-238148 |
| | - | | |
| Date Sampled | ----- | 29/04/2017 | 29/04/2017 |
| Type of sample | | Dust | Dust |
| Date prepared | - | 03/05/2017 | 03/05/2017 |
| Date analysed | - | 03/05/2017 | 03/05/2017 |
| Lead* | µg/sample | 3 | 1 |

| Method ID | Methodology Summary |
|------------|--|
| Metals-006 | Determination of various metals on filters by ICP-AES/MS and or CV/AAS. |
| Inorg-100 | Filter/Media Mass - determined gravimetrically. |
| Metals-005 | Digestion of Dust wipes/swabs and /or miscellaneous samples for Metals determination by ICP-AES/MS and/or CV-AAS |

Client Reference: 2171079F / ANU Child Care

| QUALITY CONTROL | UNITS | PQL | METHOD | Blank | Duplicate Sm# | Duplicate results | Spike Sm# | Spike % Recovery |
|-------------------------------|-----------|----------|------------|-------------------------|---------------|---------------------------|------------------|------------------|
| Lead on filter | | | | | | Base II Duplicate II %RPD | | |
| Date prepared | - | | | 03/05/2017 | [NT] | [NT] | LCS-4 | 03/05/2017 |
| Date analysed | - | | | 03/05/2017 | [NT] | [NT] | LCS-4 | 03/05/2017 |
| Lead | µg/filter | 1 | Metals-006 | <1 | [NT] | [NT] | LCS-4 | 109% |
| QUALITY CONTROL | UNITS | PQL | METHOD | Blank | | | | |
| Total Suspended Particulates | | | | | | | | |
| Date prepared | - | | | | | | | |
| Date analysed | - | | | | | | | |
| QUALITY CONTROL | UNITS | PQL | METHOD | Blank | Duplicate Sm# | Duplicate results | Spike Sm# | Spike % Recovery |
| Metals in Miscellaneous Media | | | | | | Base II Duplicate II %RPD | | |
| Date prepared | - | | | 03/05/2017 | [NT] | [NT] | LCS-4 | 03/05/2017 |
| Date analysed | - | | | 03/05/2017 | [NT] | [NT] | LCS-4 | 03/05/2017 |
| Lead* | µg/sample | 1 | Metals-005 | <1 | [NT] | [NT] | LCS-4 | 105% |
| QUALITY CONTROL | UNITS | Dup. Sm# | | Duplicate | | Spike Sm# | Spike % Recovery | |
| Lead on filter | | | | Base + Duplicate + %RPD | | | | |
| Date prepared | - | [NT] | | [NT] | | LCS-5 | 03/05/2017 | |
| Date analysed | - | [NT] | | [NT] | | LCS-5 | 03/05/2017 | |
| Lead | µg/filter | [NT] | | [NT] | | LCS-5 | 122% | |

Report Comments:

Lead in dust: Reported as ug/sample due to being unable to remove the sample from the adhesive tape. Whole sample digested. Non-NATA.

Asbestos ID was analysed by Approved Identifier:

Not applicable for this job

Asbestos ID was authorised by Approved Signatory:

Not applicable for this job

INS: Insufficient sample for this test

PQL: Practical Quantitation Limit

NT: Not tested

NR: Test not required

RPD: Relative Percent Difference

NA: Test not required

<: Less than

>: Greater than

LCS: Laboratory Control Sample

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.

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: <5xPQL - any RPD is acceptable; >5xPQL - 0-50% RPD is acceptable.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics (+/-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.