

Table A: Summary of Acceptable Laboratory QA/QC Limits

Sample Type	Acceptable Limits
Surrogate Spikes – Not required for this job	BTEX/VOC (soil) 70% - 130% Water 30% - 140%
Method Blanks	Less than the LOR
Duplicate Sample	Maximum allowable difference (MAD) criteria where: $MAD = 100 \times \text{Statistical Detection Limit (SDL) / Mean} + \text{Limiting Repeatability (LR)}$
Laboratory Control Sample	80% - 120% (soil and water); 69%-131% (paint)
Matrix Spikes	70% - 130% (metals)

In summary the laboratory QA/QC results indicate the following:

- The concentrations of the laboratory blanks were below the LOR;
- The laboratory duplicate sample analyses were within the acceptable limits set by the laboratory;
- The laboratory control samples were within acceptable QC limits set by the laboratory;
- The matrix spike recovery results were within the laboratory's acceptable range;

Based on the results of the implemented field quality control and the results of the internal quality control implemented by the laboratory, Robson considers the analytical results provided in the laboratory reports to be acceptable for the purposes of this assessment.

CONCLUSIONS AND RECOMMENDATIONS

Based on the field observations and the analytical results Robson concludes the following:

- The soil present in the playground area north of the Montessori School following the lead paint abatement works pose a negligible lead exposure risk to the site occupants and further action is not required.

Please do not hesitate to contact the undersigned on (02) [REDACTED] should you have any queries regarding this letter.

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For and on behalf of Robson Environmental.



Attachments

Statement of Limitations

Report Terms and Conditions

Figures

Figure 1: Site Location Plan

Figure 2: Sample Location Plan

Tables

Table 1: Soil Analytical Results

Table 2: Soil QA/QC Results

Attachments

Attachment A: Photographs

Attachment B: Sample Receipt Advice, COC Documentation and Laboratory Reports

STATEMENT OF LIMITATIONS

The findings contained within this report are the result of the interpretation of discrete/specific sampling methodologies used in accordance with normal practices and standards. To the best of Robson's knowledge, our assessment of the data represents a reasonable interpretation of the assessed material on the site. Under no circumstances, however, can it be considered that these findings represent the actual state of the entire site. In addition, the assessment did not include the direct sampling and analysis of groundwater.

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Contaminated Site Report

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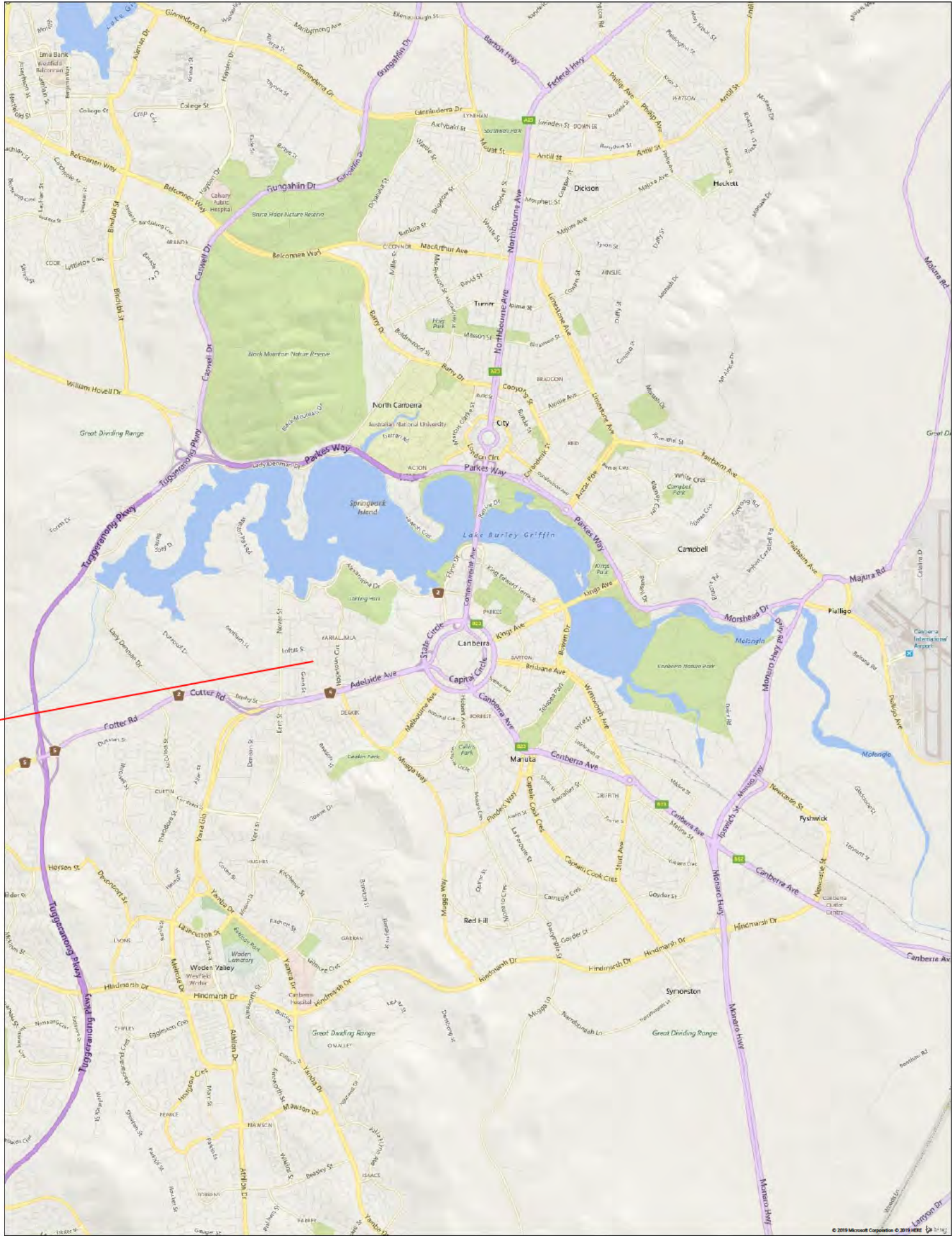
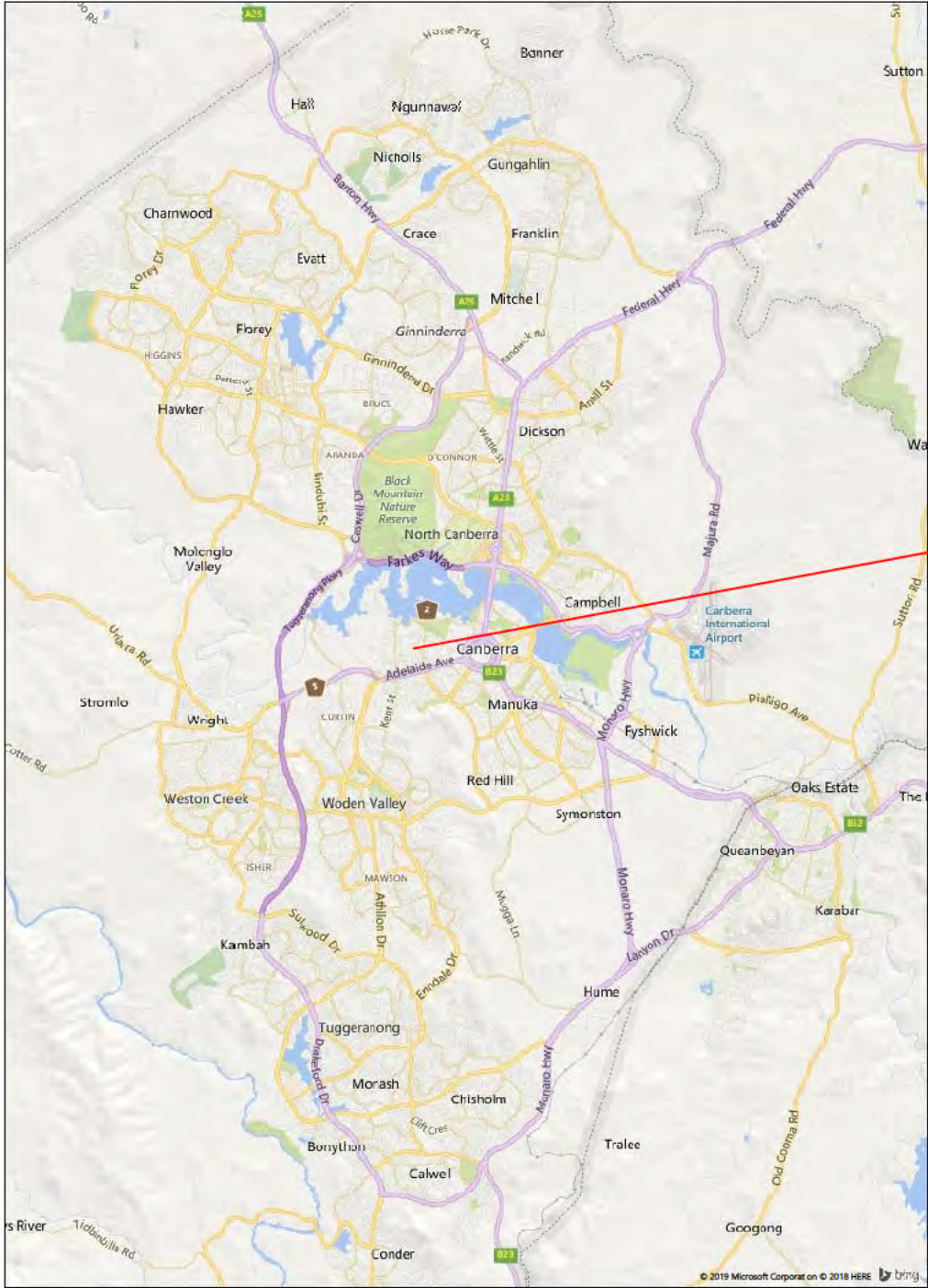
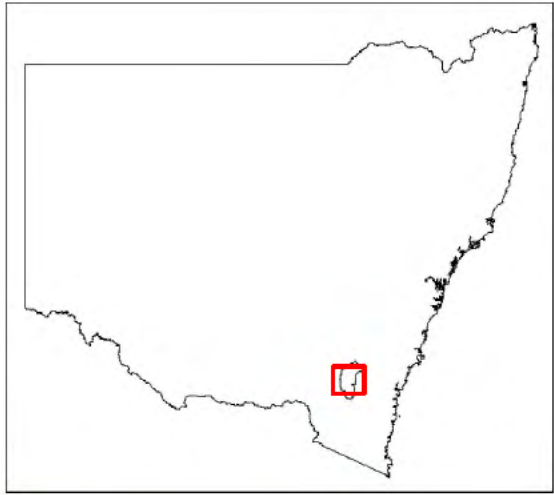
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HSEQ Management System			
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FIGURES



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DOCUMENT 54

NOTES

Scale, locations, and boundaries are approximate only.

 Environmental Excellence through Experience, Endeavor and Evaluation	Robson Environmental Pty Ltd P: 02 6239 5656 F: 02 6239 5669 E: admin@robsonenviro.com.au PO Box 112, Fyshwick ACT 2609 www.robsonenviro.com.au ABN: 55 008 660 900	CLIENT: ACT PROPERTY GROUP	SITE: PLAYGROUND AREA NORTH OF MONTESSORI SCHOOL, YARRALUMLA PRIMARY	PROJECT: LEAD IN SOIL ASSESSMENT	SCALE (m): 	DRAWN: 	FIGURE: 1	DATE: 18/10/2019
				TITLE: SITE LOCATION PLAN		CHECKED: 	PROJECT: 43010 of 35	REV: A



LEGEND


SO L SAMPLE LOCATION

DOCUMENT 54

NOTES
Scale, locations, and boundaries are approximate only.



KEY PLAN - INSET

 ENVIRONMENTAL Environmental Excellence through Experience, Endeavor and Evaluation	Robson Environmental Pty Ltd P: 02 6239 5656 F: 02 6239 5669 E: admin@robsonenviro.com.au PO Box 112, Fyshwick ACT 2609 www.robsonenviro.com.au ABN: 55 008 660 900	CLIENT: ACT PROPERTY GROUP	SITE: PLAYGROUND AREA NORTH OF MONTESSORI SCHOOL, YARRALUMLA PRIMARY	PROJECT: LEAD IN SOIL ASSESSMENT	SCALE (m): <div><div>0</div><div>10</div><div>20</div></div>	DRAWN: <div></div>	FIGURE: 2	DATE: 18/10/2019
				TITLE: SAMPLE LOCATION PLAN	REF: NEARMAP 2019	CHECKED: <div></div>	PROJECT: 43011 of 35	REV: A

TABLES

Table 1: Soil Analytical Results
T01035: Lead in Soil Assessment (a portion of Block 12 Section 82)
18/10/2019

Location Code				North Play Ground Area Montessori School Yarralumla			
Field ID	SS37	SS38	SS39	QC01			
Depth	0 - 0.2	0 - 0.2	0 - 0.2	0 - 0.2			
Date	7/09/2019	7/09/2019	7/09/2019	7/09/2019			
Lab Report Number	SE197464	SE197464	SE197464	SE197464			
	Unit	EQL	ASC NEPM (2013) EIL - Urban Res & Public Open	ASC NEPM (2013) HIL A			
Metals							
Lead	mg/kg	1	1,100	300	19	14	21

Assessment Criteria

ASC NEPM (2013) – Table 1A(1) 'Health investigation levels for soil contaminants' of Schedule B1 'Guideline on Investigation Levels for Soil and Groundwater', HIL A: Residential with access to soil.
ASC NEPM (2013) – Table 1B(1) 'Generic added contaminant limits for lead in soils irrespective of their physiological properties' – EIL: Urban residential/public and open space.

RESULTS	Results in highlighted cells exceed EIL assessment criteria
RESULTS	Results in highlighted cells exceed HIL assessment criteria

Table 2: QA/QC Results
T01035: Lead in Soil Assessment (a portion of Block 12 Section 82)
 18/10/2019

	Location Code		North Play Ground Area Montessori School Yarralumla		
	Field ID		SS39	QC01	RPD
	Date		7/09/2019	7/09/2019	
	Lab Report Number		SE197464	SE197464	
	Unit	EQL			
Metals					
Lead	mg/kg	1	21	17	21

*RPDs have only been considered where a concentration is greater than 1 times the EQL.
 **Elevated RPDs are highlighted as per QAQC Profile settings (Acceptable RPDs for each EQL multiplier range are: 50 (5 - 10 x EQL); 50 (10 - 30 x EQL); 50 (> 30 x EQL))

RESULT	RPD exceeds 50% but is less than 5 x the LOR and is therefore considered suitable
RESULT	Result exceeds the RPD acceptance criteria

ATTACHMENT A

Photographs