

TABLE F
SUMMARY OF FIELD QA/QC RESULTS

ANALYSIS	Envirolab PQL		TB ^S	FR	TB ^S	TS ^S	FR
	mg/kg	mg/L	20/02/2017	20/02/2017	5/09/2017	5/09/2017	5/09/2017
			mg/kg	µg/L	mg/kg	% Recovery	mg/L
Arsenic	1	0.05	NA	NA	NA	NA	LPQL
Cadmium	0.1	0.01	NA	NA	NA	NA	LPQL
Chromium	1	0.01	NA	NA	NA	NA	LPQL
Copper	1	0.01	NA	NA	NA	NA	LPQL
Lead	1	0.03	NA	NA	NA	NA	LPQL
Mercury	0.5	0.0005	NA	NA	NA	NA	LPQL
Nickel	1	0.02	NA	NA	NA	NA	LPQL
Zinc	1	0.02	NA	NA	NA	NA	LPQL
Benzene	1	1	LPQL	LPQL	LPQL	95%	NA
Toluene	1	1	LPQL	LPQL	LPQL	94%	NA
Ethylbenzene	1	1	LPQL	LPQL	LPQL	94%	NA
m+p-xylene	2	2	LPQL	LPQL	LPQL	93%	NA
o-xylene	1	1	LPQL	LPQL	LPQL	94%	NA

Explanation:

^W Sample type (water)

^S Sample type (sand)

BTEX concentrations in trip spikes are presented as % recovery

Values above PQLs/Acceptance criteria

VALUE

Abbreviations:

PQL: Practical Quantitation Limit

LPQL: Less than PQL

NA: Not Analysed

NC: Not Calculated

TB: Trip Blank

TS: Trip Spike

RS: Rinsate Sample

TRH: Total Recoverable Hydrocarbons

TABLE G
SOIL INTRA-LABORATORY DUPLICATE RESULTS & RPD CALCULATIONS
 All results in mg/kg unless stated otherwise

SAMPLE	ANALYSIS	Envirolab PQL	INITIAL	REPEAT	MEAN	RPD %
Sample Ref = BH2 (0.17-0.23) Dup Ref = DUP1 Envirolab Report: #162413	Arsenic	4	LPQL	LPQL	NC	NC
	Cadmium	0.4	LPQL	LPQL	NC	NC
	Chromium	1	11	14	12.5	24
	Copper	1	21	24	22.5	13
	Lead	1	310	250	280.0	21
	Mercury	0.1	LPQL	LPQL	NC	NC
	Nickel	1	5	6	5.5	18
	Zinc	1	50	43	46.5	15
	Naphthalene	0.1	0.1	LPQL	0.1	67
	Acenaphthylene	0.1	LPQL	LPQL	NC	NC
	Acenaphthene	0.1	LPQL	LPQL	NC	NC
	Fluorene	0.1	LPQL	LPQL	NC	NC
	Phenanthrene	0.1	0.6	0.3	0.5	67
	Anthracene	0.1	0.2	LPQL	0.1	120
	Fluoranthene	0.1	0.8	0.4	0.6	67
	Pyrene	0.1	0.7	0.4	0.6	55
	Benzo(a)anthracene	0.1	0.3	0.2	0.3	40
	Chrysene	0.1	0.4	0.2	0.3	67
	Benzo(b,j,k)fluoranthene	0.2	0.5	0.3	0.4	50
	Benzo(a)pyrene	0.05	0.2	0.1	0.2	67
	Indeno(123-cd)pyrene	0.1	0.1	LPQL	0.1	67
	Dibenzo(ah)anthracene	0.1	LPQL	LPQL	NC	NC
	Benzo(ghi)perylene	0.1	0.1	0.1	0.1	0
	TRH C ₆ -C ₁₀ (F1)	25	LPQL	LPQL	NC	NC
	TRH >C ₁₀ -C ₁₆ (F2)	50	LPQL	LPQL	NC	NC
	TRH >C ₁₆ -C ₃₄ (F3)	100	LPQL	LPQL	NC	NC
	TRH >C ₃₄ -C ₄₀ (F4)	100	LPQL	LPQL	NC	NC
	Benzene	0.5	LPQL	LPQL	NC	NC
	Toluene	0.5	LPQL	LPQL	NC	NC
	Ethylbenzene	1	LPQL	LPQL	NC	NC
	m+p-xylene	2	LPQL	LPQL	NC	NC
	o-xylene	1	LPQL	LPQL	NC	NC

Explanation:

The RPD value is calculated as the absolute value of the difference between the initial and repeat results divided by the average value expressed as a percentage. The following acceptance criteria will be used to assess the RPD results:

- Results > 10 times PQL = RPD value <= 50% are acceptable
 - Results between 5 & 10 times PQL = RPD value <= 75% are acceptable
 - Results < 5 times PQL = RPD value <= 100% are acceptable
- If result is LPQL then 50% of the PQL is used for the calculation

RPD Results Above the Acceptance Criteria

VALUE

Abbreviations:

PQL: Practical Quantitation Limit
 LPQL: Less than PQL
 NA: Not Analysed
 NC: Not Calculated

OCP: Organochlorine Pesticides
 OPP: Organophosphorus Pesticides
 PCBs: Polychlorinated Biphenyls
 TRH: Total Recoverable Hydrocarbons

TABLE H
SOIL INTER-LABORATORY DUPLICATE RESULTS & RPD CALCULATIONS
All results in mg/kg unless stated otherwise

SAMPLE	ANALYSIS	Envirolab PQL	Envirolab VIC PQL	INITIAL	REPEAT	MEAN	RPD %
Sample Ref = BH5 (0.2-0.4) Dup Ref = DUP-X Envirolab Report: #17050 Envirolab VIC Report: #11722	Arsenic	4	4	5	5	5	0
	Cadmium	0.4	0.4	LPQL	LPQL	NC	NC
	Chromium	1	1	16	18	17	12
	Copper	1	1	33	24	29	32
	Lead	1	1	310	300	305	3
	Mercury	0.1	0.1	0.5	0.2	0.4	86
	Nickel	1	1	7	9	8	25
	Zinc	1	1	140	160	150	13
	Naphthalene	0.1	0.1	LPQL	LPQL	NC	NC
	Acenaphthylene	0.1	0.1	LPQL	0.1	0.1	67
	Acenaphthene	0.1	0.1	LPQL	LPQL	NC	NC
	Fluorene	0.1	0.1	LPQL	LPQL	NC	NC
	Phenanthrene	0.1	0.1	0.6	0.8	0.7	29
	Anthracene	0.1	0.1	0.1	0.2	0.2	67
	Fluoranthene	0.1	0.1	1.4	1.4	1.4	0
	Pyrene	0.1	0.1	1.4	1.3	1.4	7
	Benzo(a)anthracene	0.1	0.1	0.8	0.8	0.8	0
	Chrysene	0.1	0.1	0.8	0.7	0.8	13
	Benzo(b,j+k)fluoranthene	0.2	0.2	1	1.2	1.1	18
	Benzo(a)pyrene	0.05	0.05	0.84	0.83	0.8	1
	Indeno(123-cd)pyrene	0.1	0.1	0.4	0.4	0.4	0
	Dibenzo(ah)anthracene	0.1	0.1	LPQL	0.1	0.1	67
	Benzo(ghi)perylene	0.1	0.1	0.5	0.5	0.5	0
	TRH C6-C10 (F1)	25	25	LPQL	LPQL	NC	NC
	TRH >C10-C16 (F2)	50	50	LPQL	LPQL	NC	NC
	TRH >C16-C34 (F3)	100	100	LPQL	LPQL	NC	NC
	TRH >C34-C40 (F4)	100	100	LPQL	LPQL	NC	NC
	Benzene	0.5	0.5	LPQL	LPQL	NC	NC
	Toluene	0.5	0.5	LPQL	LPQL	NC	NC
	Ethylbenzene	1	1	LPQL	LPQL	NC	NC
	m+p-xylene	2	2	LPQL	LPQL	NC	NC
	o-xylene	1	1	LPQL	LPQL	NC	NC

Explanation:

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If result is LPQL then 50% of the PQL is used for the calculation

RPD Results Above the Acceptance Criteria

VALUE

Abbreviations:

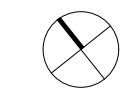
PQL: Practical Quantitation Limit
LPQL: Less than PQL
NA: Not Analysed
NC: Not Calculated

OCP: Organochlorine Pesticides
OPP: Organophosphorus Pesticides
PCBs: Polychlorinated Biphenyls
TRH: Total Recoverable Hydrocarbons

REPORT APPENDICES

Appendix A: Proposed Development Plans

Masterplan First Phase



GENERAL NOTES
ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE
CHECKED AND VERIFIED BY THE CONTRACTOR
BEFORE PROCEEDING WITH THE WORK
ALL LEVELS RELATIVE TO 'AUSTRALIAN HEIGHT DATUM'
DO NOT SCALE DRAWINGS
USE FIGURED DIMENSIONS ONLY

Legend

--- SITE BOUNDARY



Western Precinct

- 1 Proposed Development Envelope - New Learning Hub. Seven storey building (3 storeys above ground - Carabella Street) including external roof terrace. Includes a vertical connector providing accessible access to the Marian Centre, Junior School, Gymnasium and the Centenary Hall.
- 2 Proposed Development Envelope - Two level extension to the existing Gymnasium
- 3 Proposed Landscaped terrace
- 4 Proposed external covered landscaped walkways, providing an accessible path of travel to the New Learning Hub. Including an extension to the Junior School play terrace.

01	7/7/17	SSD Submission	KT
REV	DATE	DESCRIPTION	BY

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project
Master plan
85 Carabella Street, Kirribilli
Sydney NSW 2061

title
Envelopes
Site Plan - Proposed Envelopes First
Phase

scale	Not to Scale	first issue	A	7/7/17
project code	sheet no.	revision		
LKMP	MP-1101	01		