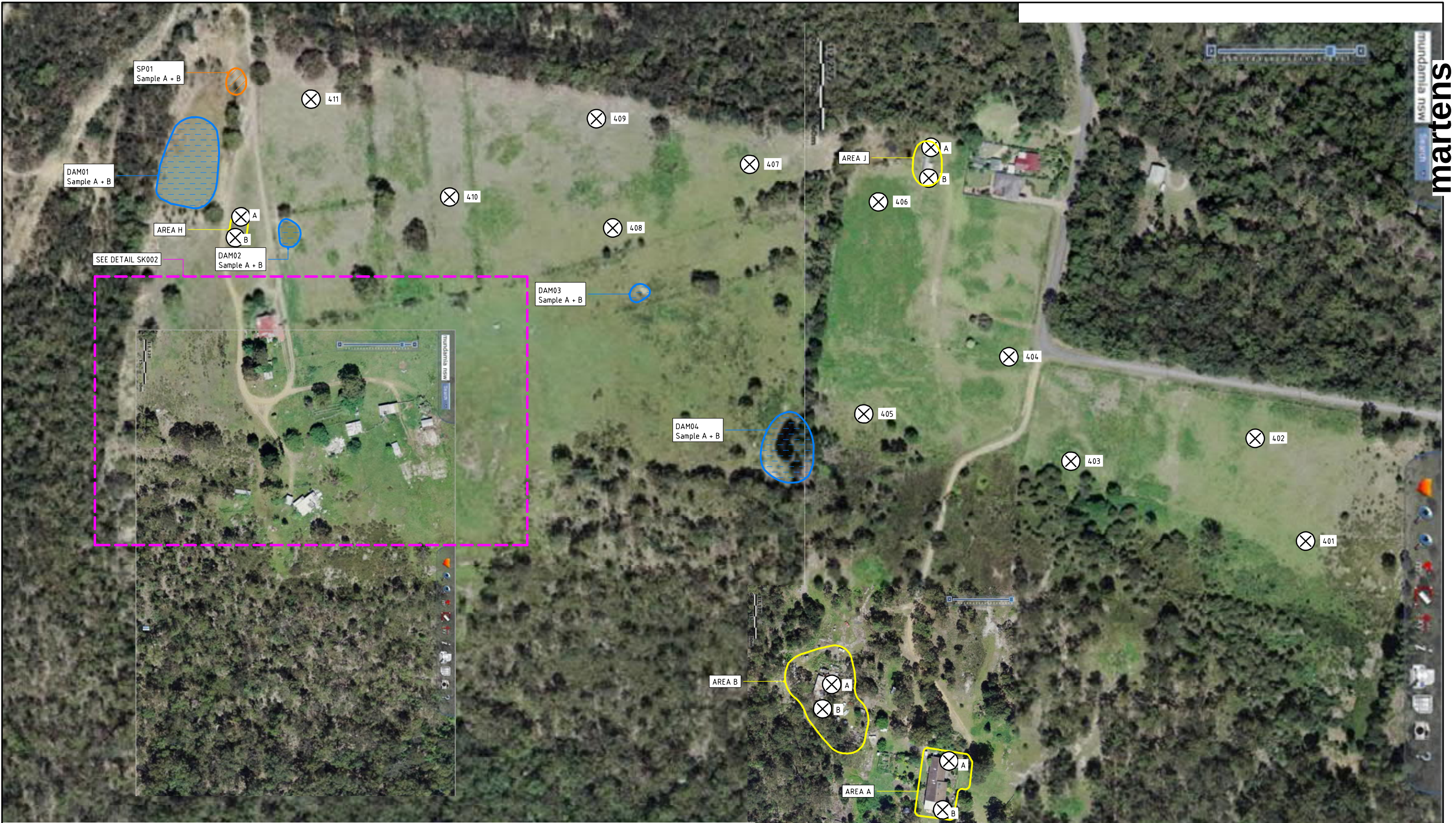


9 References

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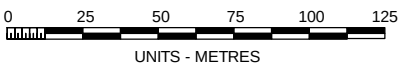
10 Attachment A – Site Plans



martens

LEGEND

-  SURFACE SAMPLE
-  STOCKPILE
-  DAM



NOTES
- TEST LOCATION IDENTIFIED BY SITE LANDMARKS ONLY.
- STOCKPILE AND RUBBISH PILE EXTENT AND LOCATION INDIATIVE.



Martens & Associates Pty Ltd		ABN 85 070 240 890		Environment Water Wastewater Geotechnical Civil Management			
Drawn:	KT	TEST LOCATIONS MUNDAMIA RELEASE LANDS			Drawing No./ID: SK001		
Approved:	AN						
Date:	08/02/13						
Scale @A3:	1:2500	6/37 Leighton Place, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767 Email: mail@martens.com.au Internet: http://www.martens.com.au			Project: P0802193	File: JD03V01	Revision: A



0 7.5 15 22.5 30 37.5 UNITS - METRES LEGEND SURFACE SAMPLE STOCKPILE RUBBISH PILE NOTES - TEST LOCATION IDENTIFIED BY SITE LANDMARKS ONLY. - STOCKPILE AND RUBBISH PILE EXTENT AND LOCATION INDIAITIVE. Martens & Associates Pty Ltd ABN 85 070 240 890 Environment Water Wastewater Geotechnical Civil Management Drawn: KT Approved: AN Date: 08/02/13 Scale @A3: 1:750 W N E S TEST LOCATIONS MUNDAMIA RELEASE LANDS 6/37 Leighton Place, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767 Email: mail@martens.com.au Internet: http://www.martens.com.au Project P0802193 File: JD03V01 Revision: A		
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**11 Attachment B - Laboratory Analytical Certificates and
Chain of Custody Documentation**

CERTIFICATE OF ANALYSIS

84007

Client:

Martens & Associates Pty Ltd
6/37 Leighton Place
Hornsby
NSW 2077

Attention: Gray Taylor

Sample log in details:

Your Reference:	<u>Malbec Properties Mundamia</u>
No. of samples:	52 soils
Date samples received / completed instructions received	11/01/13 / 11/01/13

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: 18/01/13 / 24/01/13
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. **Tests not covered by NATA are denoted with *.**

Results Approved By:



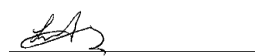
Jacinta Hurst
Laboratory Manager



Nancy Zhang
Chemist



Rhian Morgan
Reporting Supervisor



Lulu Guo
Approved Signatory



Jeremy Faircloth
Chemist

vTRH(C6-C10)/BTEXN in Soil Our Reference: Your Reference Composite Reference Date Sampled Type of sample	UNITS ----- -----	84007-20 2193/AreaA/ B 10/01/2013 Soil	84007-21 2193/AreaB/ A 10/01/2013 Soil	84007-33 2193/AreaH/ A 10/01/2013 Soil	84007-39 2193/RP01/A 10/01/2013 Soil	84007-40 2193/RP02/A 10/01/2013 Soil
Date extracted	-	14/01/2013	14/01/2013	14/01/2013	14/01/2013	14/01/2013
Date analysed	-	14/01/2013	14/01/2013	14/01/2013	14/01/2013	14/01/2013
TRHC ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRHC ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPHC ₆ - C ₁₀ less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
naphthalene	mg/kg	<1	<1	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	121	123	132	122	127

vTRH(C6-C10)/BTEXN in Soil Our Reference: Your Reference Composite Reference Date Sampled Type of sample	UNITS ----- -----	84007-41 2193/RP03/A 10/01/2013 Soil	84007-42 2193/RP04/A 10/01/2013 Soil	84007-43 2193/RP05/B 10/01/2013 Soil	84007-44 2193/RP06/A 10/01/2013 Soil	84007-45 2193/RP07/B 10/01/2013 Soil
Date extracted	-	14/01/2013	14/01/2013	14/01/2013	14/01/2013	14/01/2013
Date analysed	-	14/01/2013	14/01/2013	14/01/2013	14/01/2013	14/01/2013
TRHC ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRHC ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPHC ₆ - C ₁₀ less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
naphthalene	mg/kg	<1	<1	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	128	128	118	133	125

Client Reference: Malbec Properties Mundamia

vTRH(C6-C10)/BTEXN in Soil						
Our Reference:	UNITS	84007-46	84007-47	84007-48	84007-51	84007-52
Your Reference	-----	2193/SP01/A	2193/SP01/B	2193/SP02/A	TRIPBLANK	TRIPSPIKE
Composite Reference	-----					
Date Sampled		10/01/2013	10/01/2013	10/01/2013	10/01/2013	10/01/2013
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/01/2013	14/01/2013	14/01/2013	14/01/2013	14/01/2013
Date analysed	-	14/01/2013	14/01/2013	14/01/2013	14/01/2013	14/01/2013
TRHC ₆ - C ₉	mg/kg	<25	<25	<25	<25	[NA]
TRHC ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	[NA]
vTPHC ₆ - C ₁₀ less BTEX (F1)	mg/kg	<25	<25	<25	<25	[NA]
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	106%
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	107%
Ethylbenzene	mg/kg	<1	<1	<1	<1	108%
m+p-xylene	mg/kg	<2	<2	<2	<2	108%
o-Xylene	mg/kg	<1	<1	<1	<1	109%
naphthalene	mg/kg	<1	<1	<1	<1	[NA]
Surrogate aaa-Trifluorotoluene	%	124	125	126	125	104

Client Reference: Malbec Properties Mundamia

svTRH (C10-C40) in Soil Our Reference: Your Reference Composite Reference Date Sampled Type of sample	UNITS ----- -----	84007-20 2193/AreaA/ B 10/01/2013 Soil	84007-21 2193/AreaB/ A 10/01/2013 Soil	84007-33 2193/AreaH/ A 10/01/2013 Soil	84007-39 2193/RP01/A 10/01/2013 Soil	84007-40 2193/RP02/A 10/01/2013 Soil
Date extracted	-	14/01/2013	14/01/2013	14/01/2013	14/01/2013	14/01/2013
Date analysed	-	14/01/2013	14/01/2013	14/01/2013	14/01/2013	14/01/2013
TRHC ₁₀ - C ₁₄	mg/kg	<50	53	<50	<50	<50
TRHC ₁₅ - C ₂₈	mg/kg	<100	22,000	<100	<100	<100
TRHC ₂₉ - C ₃₆	mg/kg	<100	36,000	150	320	<100
TRH>C ₁₀ -C ₁₆	mg/kg	<50	160	<50	<50	<50
TRH>C ₁₀ - C ₁₆ less Naphthalene (F2)	mg/kg	<50	160	<50	<50	<50
TRH>C ₁₆ -C ₃₄	mg/kg	<100	52,000	120	290	<100
TRH>C ₃₄ -C ₄₀	mg/kg	<100	9,700	<100	120	<100
Surrogate o-Terphenyl	%	107	#	104	104	103

svTRH (C10-C40) in Soil Our Reference: Your Reference Composite Reference Date Sampled Type of sample	UNITS ----- -----	84007-41 2193/RP03/A 10/01/2013 Soil	84007-42 2193/RP04/A 10/01/2013 Soil	84007-43 2193/RP05/B 10/01/2013 Soil	84007-44 2193/RP06/A 10/01/2013 Soil	84007-45 2193/RP07/B 10/01/2013 Soil
Date extracted	-	14/01/2013	14/01/2013	14/01/2013	14/01/2013	14/01/2013
Date analysed	-	14/01/2013	14/01/2013	14/01/2013	14/01/2013	14/01/2013
TRHC ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRHC ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRHC ₂₉ - C ₃₆	mg/kg	<100	<100	<100	<100	<100
TRH>C ₁₀ -C ₁₆	mg/kg	<50	<50	<50	<50	<50
TRH>C ₁₀ - C ₁₆ less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH>C ₁₆ -C ₃₄	mg/kg	<100	<100	<100	<100	<100
TRH>C ₃₄ -C ₄₀	mg/kg	<100	<100	<100	<100	<100
Surrogate o-Terphenyl	%	101	102	100	99	99

svTRH (C10-C40) in Soil Our Reference: Your Reference Composite Reference Date Sampled Type of sample	UNITS ----- -----	84007-46 2193/SP01/A 10/01/2013 Soil	84007-47 2193/SP01/B 10/01/2013 Soil	84007-48 2193/SP02/A 10/01/2013 Soil	84007-51 TRIPBLANK 10/01/2013 Soil
Date extracted	-	14/01/2013	14/01/2013	14/01/2013	14/01/2013
Date analysed	-	14/01/2013	14/01/2013	14/01/2013	14/01/2013
TRHC ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50
TRHC ₁₅ - C ₂₈	mg/kg	210	<100	<100	<100
TRHC ₂₉ - C ₃₆	mg/kg	420	<100	<100	<100
TRH>C ₁₀ -C ₁₆	mg/kg	62	<50	<50	<50
TRH>C ₁₀ - C ₁₆ less Naphthalene (F2)	mg/kg	62	<50	<50	<50
TRH>C ₁₆ -C ₃₄	mg/kg	470	<100	<100	<100
TRH>C ₃₄ -C ₄₀	mg/kg	280	<100	<100	<100
Surrogate o-Terphenyl	%	111	107	105	102