

**Supplementary Site Investigation: Sydney International Convention
Exhibition and Entertainment Precinct (SICEEP), Darling Harbour,
Sydney.(Coffey Geotechnics; August 2012)
Laboratory Certificates**

**Site Investigation - Factual Report
Haymarket Precinct, Darling Harbour, Sydney NSW**

Coffey Geotechnics Pty Ltd Chatswood
Level 19, Tower B, Citadel Tower 799 Pacific Highway
Chatswood
NSW 2067

Attention: Matthew Locke

Report 345664-S
Client Reference SICEEP DARLING HARBOUR GEOTLCOV24303AD
Received Date Jul 26, 2012



Certificate of Analysis

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025.
The results of the tests, calibrations and/or
measurements included in this document are traceable
to Australian/national standards.

Client Sample ID			CBH8_(0.15-0.6m)	CBH8_(1.5-1.6m)	CBH8_(2.0-2.1m)	CBH8_(2.5-2.6m)
Sample Matrix			Soil	Soil	Soil	Soil
mgt-LabMark Sample No.			S12-JI20038	S12-JI20040	S12-JI20041	S12-JI20042
Date Sampled			Jul 27, 2012	Jul 24, 2012	Jul 24, 2012	Jul 24, 2012
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	10	mg/kg	< 10	< 10	< 10	< 10
TRH C10-C14	50	mg/kg	< 50	< 50	< 50	< 50
TRH C15-C28	100	mg/kg	< 100	< 100	< 100	< 100
TRH C29-C36	100	mg/kg	< 100	< 100	< 100	< 100
TRH C10-36 (Total)	100	mg/kg	< 100	< 100	< 100	< 100
BTEX						
Benzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total m+p-Xylenes	1	mg/kg	< 1	< 1	< 1	< 1
o-Xylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes(ortho.meta and para)	1.5	mg/kg	< 1.5	< 1.5	< 1.5	< 1.5
Total BTEX	1.5	mg/kg	< 1.5	< 1.5	< 1.5	< 1.5
4-Bromofluorobenzene (surr.)	1	%	98	90	90	88
Total Recoverable Hydrocarbons - Draft 2010 NEPM Fractions *						
Naphthalene ^{N02}	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1) ^{N04}	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2) ^{N01}	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
Polyaromatic Hydrocarbons (PAH)						
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b)fluoranthene & Benzo(k)fluoranthene	1	mg/kg	< 1	< 1	< 1	< 1
Benzo(g,h,i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a,h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	0.7	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			CBH8_(0.15-0.6m)	CBH8_(1.5-1.6m)	CBH8_(2.0-2.1m)	CBH8_(2.5-2.6m)
Sample Matrix			Soil	Soil	Soil	Soil
mgt-LabMark Sample No.			S12-JI20038	S12-JI20040	S12-JI20041	S12-JI20042
Date Sampled			Jul 27, 2012	Jul 24, 2012	Jul 24, 2012	Jul 24, 2012
Test/Reference	LOR	Unit				
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	0.7	< 0.5	< 0.5	< 0.5
Total PAH	1	mg/kg	1.4	< 1	< 1	< 1
2-Fluorobiphenyl (surr.)	1	%	128	94	99	96
p-Terphenyl-d14 (surr.)	1	%	115	92	103	100
% Moisture	0.1	%	13	15	15	22
Asbestos			ASET Report	-	-	-

Client Sample ID			CBH8_(3.5-3.6m)	CBH8_(4.5-4.6m)	CBH7_(0.5-0.6m)	BH7_(1.0-1.1m)
Sample Matrix			Soil	Soil	Soil	Soil
mgt-LabMark Sample No.			S12-JI20044	S12-JI20046	S12-JI20050	S12-JI20060
Date Sampled			Jul 24, 2012	Jul 24, 2012	Jul 24, 2012	Jul 24, 2012
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	10	mg/kg	-	-	< 10	< 10
TRH C10-C14	50	mg/kg	-	-	< 50	< 50
TRH C15-C28	100	mg/kg	-	-	< 100	< 100
TRH C29-C36	100	mg/kg	-	-	< 100	< 100
TRH C10-36 (Total)	100	mg/kg	-	-	< 100	< 100
BTEX						
Benzene	0.5	mg/kg	-	-	< 0.5	< 0.5
Toluene	0.5	mg/kg	-	-	< 0.5	< 0.5
Ethylbenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
Total m+p-Xylenes	1	mg/kg	-	-	< 1	< 1
o-Xylene	0.5	mg/kg	-	-	< 0.5	< 0.5
Xylenes(ortho.meta and para)	1.5	mg/kg	-	-	< 1.5	< 1.5
Total BTEX	1.5	mg/kg	-	-	< 1.5	< 1.5
4-Bromofluorobenzene (surr.)	1	%	-	-	91	98
Total Recoverable Hydrocarbons - Draft 2010 NEPM Fractions *						
Naphthalene ^{N02}	0.5	mg/kg	-	-	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	-	-	< 20	< 20
TRH C6-C10 less BTEX (F1) ^{N04}	20	mg/kg	-	-	< 20	< 20
TRH >C10-C16	50	mg/kg	-	-	< 50	< 50
TRH >C10-C16 less Naphthalene (F2) ^{N01}	50	mg/kg	-	-	< 50	< 50
TRH >C16-C34	100	mg/kg	-	-	< 100	< 100
TRH >C34-C40	100	mg/kg	-	-	< 100	< 100
Polyaromatic Hydrocarbons (PAH)						
Acenaphthene	0.5	mg/kg	-	-	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	-	-	< 0.5	< 0.5
Anthracene	0.5	mg/kg	-	-	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	-	-	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	-	-	< 0.5	< 0.5
Benzo(b)fluoranthene & Benzo(k)fluoranthene	1	mg/kg	-	-	< 1	< 1
Benzo(g,h,i)perylene	0.5	mg/kg	-	-	< 0.5	< 0.5
Chrysene	0.5	mg/kg	-	-	< 0.5	< 0.5
Dibenz(a,h)anthracene	0.5	mg/kg	-	-	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	-	-	< 0.5	< 0.5
Fluorene	0.5	mg/kg	-	-	< 0.5	< 0.5
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	-	-	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	-	-	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	-	-	< 0.5	< 0.5
Pyrene	0.5	mg/kg	-	-	< 0.5	< 0.5
Total PAH	1	mg/kg	-	-	< 1	< 1
2-Fluorobiphenyl (surr.)	1	%	-	-	100	94
p-Terphenyl-d14 (surr.)	1	%	-	-	104	94
Acid Sulphate Soils Field pH Test						
pH-F (Field pH test)	0.1	units	7.3	7.6	-	-
pH-FOX (Field pH Peroxide test)	0.1	units	1.6	2.2	-	-
Reaction Ratings		comment	High	Volcanic	-	-



Client Sample ID			CBH8_(3.5-3.6m)	CBH8_(4.5-4.6m)	CBH7_(0.5-0.6m)	BH7_(1.0-1.1m)
Sample Matrix			Soil	Soil	Soil	Soil
mgt-LabMark Sample No.			S12-JI20044	S12-JI20046	S12-JI20050	S12-JI20060
Date Sampled			Jul 24, 2012	Jul 24, 2012	Jul 24, 2012	Jul 24, 2012
Test/Reference	LOR	Unit				
% Moisture	0.1	%	-	-	6.7	6.9
Asbestos			-	-	ASET Report	-

Client Sample ID			DUP3	CBH7_(1.5-1.6m)
Sample Matrix			Soil	Soil
mgt-LabMark Sample No.			S12-JI20061	S12-JI20062
Date Sampled			Jul 24, 2012	Jul 24, 2012
Test/Reference	LOR	Unit		
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				
TRH C6-C9	10	mg/kg	< 10	< 10
TRH C10-C14	50	mg/kg	< 50	< 50
TRH C15-C28	100	mg/kg	< 100	< 100
TRH C29-C36	100	mg/kg	< 100	< 100
TRH C10-36 (Total)	100	mg/kg	< 100	< 100
BTEX				
Benzene	0.5	mg/kg	< 0.5	< 0.5
Toluene	0.5	mg/kg	< 0.5	< 0.5
Ethylbenzene	0.5	mg/kg	< 0.5	< 0.5
Total m+p-Xylenes	1	mg/kg	< 1	< 1
o-Xylene	0.5	mg/kg	< 0.5	< 0.5
Xylenes(ortho.meta and para)	1.5	mg/kg	< 1.5	< 1.5
Total BTEX	1.5	mg/kg	< 1.5	< 1.5
4-Bromofluorobenzene (surr.)	1	%	93	94
Total Recoverable Hydrocarbons - Draft 2010 NEPM Fractions *				
Naphthalene ^{N02}	0.5	mg/kg	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20
TRH C6-C10 less BTEX (F1) ^{N04}	20	mg/kg	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50
TRH >C10-C16 less Naphthalene (F2) ^{N01}	50	mg/kg	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	150
TRH >C34-C40	100	mg/kg	< 100	< 100
Polyaromatic Hydrocarbons (PAH)				
Acenaphthene	0.5	mg/kg	< 0.5	0.6
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	2.6
Benz(a)anthracene	0.5	mg/kg	< 0.5	2.8
Benzo(a)pyrene	0.5	mg/kg	< 0.5	2.8
Benzo(b)fluoranthene & Benzo(k)fluoranthene	1	mg/kg	< 1	4.3
Benzo(g,h,i)perylene	0.5	mg/kg	< 0.5	1.6
Chrysene	0.5	mg/kg	< 0.5	2.6
Dibenz(a,h)anthracene	0.5	mg/kg	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	7.4
Fluorene	0.5	mg/kg	< 0.5	0.9
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	< 0.5	1.2
Naphthalene	0.5	mg/kg	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	6.5
Pyrene	0.5	mg/kg	< 0.5	6.0
Total PAH	1	mg/kg	< 1	39
2-Fluorobiphenyl (surr.)	1	%	95	102
p-Terphenyl-d14 (surr.)	1	%	96	98
% Moisture	0.1	%	6.7	13
Asbestos			-	ASET Report

Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.

Description	Testing Site	Extracted	Holding Time
mgt-LabMark Suite 4			
Polyaromatic Hydrocarbons (PAH)	Sydney	Aug 08, 2012	14 Day
- Method: E007 Polyaromatic Hydrocarbons (PAH)			
BTEX	Sydney	Aug 07, 2012	14 Day
- Method: E029/E016 BTEX			
Total Recoverable Hydrocarbons - Draft 2010 NEPM Fractions *	Sydney	Aug 07, 2012	14 Day
- Method: LM-LTM-ORG2010			
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Sydney	Aug 08, 2012	14 Day
- Method: E004 Petroleum Hydrocarbons (TPH)			
Acid Sulphate Soils Field pH Test	Sydney	Aug 07, 2012	7 Day
- Method: Acid Sulphate Soils Guideline Series			
% Moisture	Sydney	Aug 07, 2012	28 Day
- Method: E005 Moisture Content			
Asbestos	Sydney	Aug 07, 2012	

Company Name: Coffey Geotechnics Pty Ltd Chatswood
Address: Level 19, Tower B, Citadel Tower 799 Pacific Highway
Chatswood
NSW 2067

Client Job No.: SICEEP DARLING HARBOUR GEOTLCOV24303AD

Order No.:
Report #: 345664
Phone: +61 2 9406 1000
Fax: +61 2 9406 1002

Received: Jul 26, 2012 7:17 PM
Due: Aug 3, 2012
Priority: 5 Day
Contact Name: Matthew Locke

mgt-LabMark Client Manager: Jean Heng

Sample Detail					% Moisture	Asbestos	HOLD	Acid Sulphate Soils Field pH Test	mgt-LabMark Suite 4
Laboratory where analysis is conducted									
Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217					X		X	X	X
Brisbane Laboratory - NATA Site # 20794									
External Laboratory						X			
Sample ID	Sample Date	Sampling Time	Matrix	LAB ID					
CBH8_(0.15-0.6m)	Jul 27, 2012		Soil	S12-JI20038	X	X			X
CBH8_(1.0-1.1m)	Jul 24, 2012		Soil	S12-JI20039			X		
CBH8_(1.5-1.6m)	Jul 24, 2012		Soil	S12-JI20040	X				X
CBH8_(2.0-2.1m)	Jul 24, 2012		Soil	S12-JI20041	X				X
CBH8_(2.5-2.6m)	Jul 24, 2012		Soil	S12-JI20042	X				X

Company Name: Coffey Geotechnics Pty Ltd Chatswood
Address: Level 19, Tower B, Citadel Tower 799 Pacific Highway
Chatswood
NSW 2067

Client Job No.: SICEEP DARLING HARBOUR GEOTLCOV24303AD

Order No.:
Report #: 345664
Phone: +61 2 9406 1000
Fax: +61 2 9406 1002

Received: Jul 26, 2012 7:17 PM
Due: Aug 3, 2012
Priority: 5 Day
Contact Name: Matthew Locke

mgt-LabMark Client Manager: Jean Heng

Sample Detail					% Moisture	Asbestos	HOLD	Acid Sulphate Soils Field pH Test	mgt-LabMark Suite 4
Laboratory where analysis is conducted									
Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217					X		X	X	X
Brisbane Laboratory - NATA Site # 20794									
External Laboratory						X			
CBH8_(3.0-3.4m)	Jul 24, 2012		Soil	S12-JI20043			X		
CBH8_(3.5-3.6m)	Jul 24, 2012		Soil	S12-JI20044				X	
CBH8_(4.0-4.1m)	Jul 24, 2012		Soil	S12-JI20045			X		
CBH8_(4.5-4.6m)	Jul 24, 2012		Soil	S12-JI20046				X	
CBH8_(5.0-5.1m)	Jul 24, 2012		Soil	S12-JI20047			X		
CBH8_(5.5-5.6m)	Jul 24, 2012		Soil	S12-JI20048			X		

Company Name: Coffey Geotechnics Pty Ltd Chatswood
Address: Level 19, Tower B, Citadel Tower 799 Pacific Highway
Chatswood
NSW 2067

Client Job No.: SICEEP DARLING HARBOUR GEOTLCOV24303AD

Order No.:
Report #: 345664
Phone: +61 2 9406 1000
Fax: +61 2 9406 1002

Received: Jul 26, 2012 7:17 PM
Due: Aug 3, 2012
Priority: 5 Day
Contact Name: Matthew Locke

mgt-LabMark Client Manager: Jean Heng

Sample Detail					% Moisture	Asbestos	HOLD	Acid Sulphate Soils Field pH Test	mgt-LabMark Suite 4
Laboratory where analysis is conducted									
Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217					X		X	X	X
Brisbane Laboratory - NATA Site # 20794									
External Laboratory						X			
CBH8_(5.9-6.0m)	Jul 24, 2012		Soil	S12-JI20049			X		
CBH7_(0.5-0.6m)	Jul 24, 2012		Soil	S12-JI20050	X	X			X
DUP1	Jul 24, 2012		Soil	S12-JI20051			X		
DUP2	Jul 24, 2012		Soil	S12-JI20052			X		
CBH8_ASS1_1.5m	Jul 24, 2012		Soil	S12-JI20053			X		
CBH8_ASS2_3.5m	Jul 24, 2012		Soil	S12-JI20054			X		
CBH8_ASS3_4.0m	Jul 24, 2012		Soil	S12-JI20055			X		

Company Name: Coffey Geotechnics Pty Ltd Chatswood
Address: Level 19, Tower B, Citadel Tower 799 Pacific Highway
Chatswood
NSW 2067

Client Job No.: SICEEP DARLING HARBOUR GEOTLCOV24303AD

Order No.:
Report #: 345664
Phone: +61 2 9406 1000
Fax: +61 2 9406 1002

Received: Jul 26, 2012 7:17 PM
Due: Aug 3, 2012
Priority: 5 Day
Contact Name: Matthew Locke

mgt-LabMark Client Manager: Jean Heng

Sample Detail					% Moisture	Asbestos	HOLD	Acid Sulphate Soils Field pH Test	mgt-LabMark Suite 4
Laboratory where analysis is conducted									
Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217					X		X	X	X
Brisbane Laboratory - NATA Site # 20794									
External Laboratory						X			
CBH8_ASS4_4 .5m	Jul 24, 2012		Soil	S12-JI20056			X		
CBH8_ASS5_5 .0m	Jul 24, 2012		Soil	S12-JI20057			X		
CBH8_ASS6_5 .5m	Jul 24, 2012		Soil	S12-JI20058			X		
CBH8_ASS7_6 .0m	Jul 24, 2012		Soil	S12-JI20059			X		
BH7 (1.0-1.1m)	Jul 24, 2012		Soil	S12-JI20060	X				X
DUP3	Jul 24, 2012		Soil	S12-JI20061	X				X
CBH7 (1.5-1.6m)	Jul 24, 2012		Soil	S12-JI20062	X	X			X

Company Name: Coffey Geotechnics Pty Ltd Chatswood
Address: Level 19, Tower B, Citadel Tower 799 Pacific Highway
Chatswood
NSW 2067

Client Job No.: SICEEP DARLING HARBOUR GEOTLCOV24303AD

Order No.:
Report #: 345664
Phone: +61 2 9406 1000
Fax: +61 2 9406 1002

Received: Jul 26, 2012 7:17 PM
Due: Aug 3, 2012
Priority: 5 Day
Contact Name: Matthew Locke

mgt-LabMark Client Manager: Jean Heng

Sample Detail					% Moisture	Asbestos	HOLD	Acid Sulphate Soils Field pH Test	mgt-LabMark Suite 4
Laboratory where analysis is conducted									
Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217					X		X	X	X
Brisbane Laboratory - NATA Site # 20794									
External Laboratory						X			
TB1	Jul 24, 2012		Soil	S12-JI20063			X		
TS1	Jul 24, 2012		Soil	S12-JI20064			X		
TS1LAB	Jul 24, 2012		Soil	S12-JI20065			X		

General

- Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples are included in this QC report where applicable. Additional QC data may be available on request.
- All soil results are reported on a dry basis, unless otherwise stated.
- Actual PQLs are matrix dependant. Quoted PQLs may be raised where sample extracts are diluted due to interferences.
- Results are uncorrected for matrix spikes or surrogate recoveries.
- SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
- Samples were analysed on an 'as received' basis.
- This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001)

For samples received on the last day of holding time, notification of testing requirements should have been received at least

6 hours prior to sample receipt deadlines as stated on the Sample Receipt Acknowledgment

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

****NOTE:** pH duplicates are reported as a range NOT as an RPD

UNITS

mg/kg: milligrams per Kilogram

µg/L: micrograms per litre

ppb: Parts per billion

org/100mL: Organisms per 100 millilitres

MPN/100mL: Most Probable Number of organisms per 100 millilitres

mg/L: milligrams per litre

ppm: Parts per million

%: Percentage

NTU: Nephelometric Turbidity Units

TERMS

Dry:	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
LOR:	Limit Of Reporting.
SPIKE:	Addition of the analyte to the sample and reported as percentage recovery.
RPD:	Relative Percent Difference between two Duplicate pieces of analysis.
LCS:	Laboratory Control Sample - reported as percent recovery.
CRM:	Certified Reference Material - reported as percent recovery.
Method Blank:	In the case of solid samples these are performed on laboratory certified clean sands. In the case of water samples these are performed on de-ionised water.
Surr - Surrogate:	The addition of a like compound to the analyte target and reported as percentage recovery.
Duplicate:	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
Batch Duplicate:	A second piece of analysis from a sample outside of the client's batch of samples but run within the laboratory batch of analysis.
Batch SPIKE:	Spike recovery reported on a sample from outside of the client's batch of samples but run within the laboratory batch of analysis.
USEPA:	U.S Environmental Protection Agency
APHA:	American Public Health Association
ASLP:	Australian Standard Leaching Procedure (AS4439.3)
TCLP:	Toxicity Characteristic Leaching Procedure
COC:	Chain Of Custody
SRA:	Sample Receipt Advice
CP:	Client Parent - QC was performed on samples pertaining to this report
NCP:	Non-Client Parent - QC was performed on samples not pertaining to this report, however QC is representative of the sequence or batch that client samples were analysed within

QC - ACCEPTANCE CRITERIA

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the LOR : No Limit

Results between 10-20 times the LOR : RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

Surrogate Recoveries : Recoveries must lie between 50-150% - Phenols 20-130%.

QC DATA GENERAL COMMENTS

- Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
- Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
- Organochlorine Pesticide analysis - where reporting LCS data, Toxophene & Chlordane are not added to the LCS.
- Organochlorine Pesticide analysis - where reporting Spike data, Toxophene is not added to the Spike.
- Total Recoverable Hydrocarbons - where reporting Spike & LCS data, a single spike of commercial Hydrocarbon products in the range of C12-C30 is added and it's Total Recovery is reported in the C10-C14 cell of the Report.
- pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt
- Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of Recovery the term "INT" appears against that analyte.
- Polychlorinated Biphenyls are spiked only using Aroclor 1260 in Matrix Spikes and LCS's.
- For Matrix Spikes and LCS results a dash " - " in the report means that the specific analyte was not added to the QC sample
- Duplicate RPD's are calculated from raw analytical data thus it is possible to have two sets of data below the LOR with a positive RPD - eg: LOR 0.1, Result A = <0.1 (raw data is 0.02) & Result B = <0.1 (raw data is 0.03) resulting in a RPD of 40% calculated from the raw data.

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions E004 Petroleum Hydrocarbons (TPH)							
TRH C6-C9	mg/kg	< 10			10	Pass	
Method Blank							
BTEX E029/E016 BTEX							
Benzene	mg/kg	< 0.5			0.5	Pass	
Toluene	mg/kg	< 0.5			0.5	Pass	
Ethylbenzene	mg/kg	< 0.5			0.5	Pass	
Total m+p-Xylenes	mg/kg	< 1			1	Pass	
o-Xylene	mg/kg	< 0.5			0.5	Pass	
Xylenes(ortho.meta and para)	mg/kg	< 1.5			1.5	Pass	
Total BTEX	mg/kg	< 1.5			1.5	Pass	
Method Blank							
Total Recoverable Hydrocarbons - Draft 2010 NEPM Fractions * LM-LTM-ORG2010							
Naphthalene	mg/kg	< 0.5			0.5	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
TRH C6-C10 less BTEX (F1)	mg/kg	< 20			20	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions E004 Petroleum Hydrocarbons (TPH)							
TRH C6-C9	%	101			70-130	Pass	
LCS - % Recovery							
BTEX E029/E016 BTEX							
Benzene	%	114			70-130	Pass	
Toluene	%	110			70-130	Pass	
Ethylbenzene	%	109			70-130	Pass	
Total m+p-Xylenes	%	106			70-130	Pass	
o-Xylene	%	106			70-130	Pass	
Xylenes(ortho.meta and para)	%	106			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - Draft 2010 NEPM Fractions * LM-LTM-ORG2010							
Naphthalene	%	104			70-130	Pass	
TRH C6-C10	%	102			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1					
TRH C6-C9	S12-JI20038	CP	%	90			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S12-JI20038	CP	%	101			70-130	Pass	
Toluene	S12-JI20038	CP	%	98			70-130	Pass	
Ethylbenzene	S12-JI20038	CP	%	98			70-130	Pass	
Total m+p-Xylenes	S12-JI20038	CP	%	95			70-130	Pass	
o-Xylene	S12-JI20038	CP	%	95			70-130	Pass	
Xylenes(ortho.meta and para)	S12-JI20038	CP	%	95			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - Draft 2010 NEPM Fractions *				Result 1					
Naphthalene	S12-JI20038	CP	%	99			70-130	Pass	
TRH C6-C10	S12-JI20038	CP	%	90			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1	Result 2	RPD			
TRH C6-C9	S12-JI20038	CP	mg/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S12-JI20038	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Toluene	S12-JI20038	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Ethylbenzene	S12-JI20038	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Total m+p-Xylenes	S12-JI20038	CP	mg/kg	< 1	< 1	<1	30%	Pass	
o-Xylene	S12-JI20038	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Xylenes(ortho.meta and para)	S12-JI20038	CP	mg/kg	< 1.5	< 1.5	<1	30%	Pass	
Total BTEX	S12-JI20038	CP	mg/kg	< 1.5	< 1.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - Draft 2010 NEPM Fractions *				Result 1	Result 2	RPD			
Naphthalene	S12-JI20038	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S12-JI20038	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C6-C10 less BTEX (F1)	S12-JI20038	CP	mg/kg	< 20	< 20	<1	30%	Pass	

Comments

Please note: Samples requiring acid sulphate analysis were stored frozen allowing the analysis holding time to be extended.

Please note: Asbestos analysed by ASET (Job : ASET30622/33802/1-3) NATA Accreditation : 14484

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Organic samples had Teflon liners	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.

Authorised By

Jean Heng	Client Services
Laura Schofield	Senior Analyst-Volatile (NSW)
Ryan Hamilton	Senior Analyst-Organic (NSW)



Dr. Bob Symons

Laboratory Manager

Final report - this Report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Uncertainty data is available on request

mgt-LabMark shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall mgt-LabMark be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

89247



Philippines: ☐ 3rd Floor, JMT Bldg, ADB Ave, Ortigas Ctr, Pasig City, Metro Manila; Philippines Tel (+63) (2) 638 9686 Fax (+63) (2) 687 3518

ACT: ☐ 2/54 Northbourne Ave, Canberra ACT 2601 Tel (02) 6248 7366 Fax (02) 6248 7157

NSW: ☐ Level 1, 3 Rider Blvd, Rhodes NSW 2138 Tel (02) 8083 1600 Fax (02) 8765 0762

☐ Lot 101, 19 Warabrook Blvd, Warabrook NSW 2304 Tel (02) 4016 2300 Fax (02) 4016 2380

☐ 1/222 Berkeley Rd, Unanderra NSW 2526 Tel (02) 4272 6071 Fax (02) 4272 6075

QLD: ☐ 47 Doggett St, Newstead QLD 4006 Tel (07) 3608 2500 Fax (07) 3852 2805

SA: ☐ Level 1, 2-3 Greenhill Rd, Wayville SA 5034 Tel (08) 7221 3500 Fax (08) 8172 1968

TAS: ☐ Coffey Business Centre, 2 Melville St, Hobart TAS 7000 Tel (03) 6108 0100 Fax (03) 6108 0199

VIC: ☐ 126 Trenerry Cres, Abbotsford VIC 3067 Tel (03) 9473 1400 Fax (03) 9473 1450

☐ Level 1, 23 West Fyans St, Newtown VIC 3220 Tel (03) 5215 4600 Fax (03) 5224 1368

WA: ☐ 61 Duke St, Albany WA 6330 Tel (08) 9892 6400 Fax (08) 9892 6444

☐ Suite 2, 53 Burswood Rd, Burswood WA 6100 Tel (08) 9355 7100 Fax (08) 9355 7111

☐ Suite 3 & 4, 236 Naturaliste Tce, Dunsborough WA 6281 Tel (08) 9756 7869 Fax (08) 9756 8878

Project No: GEOTLCON24303AD Task No:

Project Name: SICEEP Darling Harbour Laboratory: MGT LabMark

Samplers Name: Priya Dass Project Manager: Matthew Locke

Special Instructions:

Analysis Request Section

Lab. No.	Sample ID	Sample Location	Sample Depth	Sample Date	Time	Matrix (Soil ... etc)	Container Type & Preservative*	T-A-T (Specify)	BTEX / TPH	METALS (Specify)	PAHs / PHENOLS	OCs / OPs	Asbestos	Acid Sulphate Soil	Hold	Hold (freeze)	NOTES
	BH8 (0.5-0.6m)			24/7/12		Soil	1 x 250ml glass jar +	Standard									
	BH8 (1.0-1.1m)						1 x 2 plastic plastic bag +										
	BH8 (1.5-1.6m)						Ice										
	BH8 (2.0-2.1m)																
	BH8 (2.5-2.6m)																
	BH8 (3.0-3.1m)																
	BH8 (3.5-3.6m)																
	BH8 (4.0-4.1m)																
	BH8 (4.5-4.6m)																
	BH8 (5.0-5.1m)																
	BH8 (5.5-5.6m)																
	BH8 (5.9-6.0m)																
	BH7 (0.5-0.6m)																
	DUPI																
	DUPIA																

RELINQUISHED BY:

Signature: [Signature] Date: 24/7/12

Company: Coffey Env Time: 3:30 p.m.

Signature: Date:

Company: Time:

RECEIVED BY:

Signature: [Signature] Date: 24/7/12

Company: MGT LabMark Time: 3:30 p.m.

Signature: [Signature] Date: 24/7/12

Company: MGT LabMark Time: 15:55

Sample Receipt Advice: (Lab Use Only)

All Samples Received in Good Condition ... ☒

All Documentation is in Proper Order ☒

Samples Received Properly Chilled ☐

Lab. Ref/Batch No.

345664

* Container Type & Preservation Codes: P - Plastic, G - Solvent Washed Acid Rinsed Glass Bottle, V - Vial, N - Nitric Acid Preserved

C - Hydrochloric Acid Preserved, S - Sulphuric Acid Preserved, I - Ice

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

89248



Philippines: ☐ 3rd Floor, JMT Bldg, ADB Ave, Ortigas Ctr, Pasig City, Metro Manila, Philippines Tel (+63) (2) 638 9686 Fax (+63) (2) 687 3518

ACT: ☐ 2/54 Northbourne Ave, Canberra ACT 2601 Tel (02) 6248 7366 Fax (02) 6248 7157

NSW: ☒ Level 1, 3 Rider Blvd, Rhodes NSW 2138 Tel (02) 8083 1600 Fax (02) 8765 0762

☐ Lot 101, 19 Warabrook Blvd, Warabrook NSW 2304 Tel (02) 4016 2300 Fax (02) 4016 2380

☐ 1/222 Berkeley Rd, Unanderra NSW 2526 Tel (02) 4272 6071 Fax (02) 4272 6075

QLD: ☐ 47 Doggett St, Newstead QLD 4006 Tel (07) 3608 2500 Fax (07) 3852 2805

SA: ☐ Level 1, 2-3 Greenhill Rd, Wayville SA 5034 Tel (08) 7221 3500 Fax (08) 8172 1968

TAS: ☐ Coffey Business Centre, 2 Melville St, Hobart TAS 7000 Tel (03) 6108 0100 Fax (03) 6108 0199

VIC: ☐ 126 Trenerry Cres, Abbotsford VIC 3067 Tel (03) 9473 1400 Fax (03) 9473 1450

☐ Level 1, 23 West Fyans St, Newtown VIC 3220 Tel (03) 5215 4600 Fax (03) 5224 1368

WA: ☐ 61 Duke St, Albany WA 6330 Tel (08) 9892 6400 Fax (08) 9892 6444

☐ Suite 2, 53 Burswood Rd, Burswood WA 6100 Tel (08) 9355 7100 Fax (08) 9355 7111

☐ Suite 3 & 4, 236 Naturaliste Tce, Dunsborough WA 6281 Tel (08) 9756 7869 Fax (08) 9756 8878

Project No: GEOTLCOV24303AD

Task No:

Project Name: SICEEP Darling Harbour

Laboratory: MGT LabMark

Samplers Name: Priya Dass

Project Manager: Matthew Locke

Special Instructions:

Analysis Request Section

Lab. No.	Sample ID	Sample Location	Sample Depth	Sample Date	Time	Matrix (Soil ... etc)	Container Type & Preservative*	T-A-T (Specify)	BTEX / TPH	METALS (Specify)	PAHs / PHENOLS	OCs / OPs	Hold for analysis	Hold (freeze)	NOTES
	DUP2														
	CBH8 ASS1 1.5m						1x ziplock plastic bag								
	CBH8 ASS2 3.5m														
	CBH8 ASS3 4.0m														
	CBH8 ASS4 4.5m														
	CBH8 ASS5 5.0m														
	CBH8 ASS6 5.5m														
	CBH8 ASS7 6.0m														
	CBH7 (1.0-1.5m)						1x 250ml glass jar + 1 ziplock plastic bag								
	DUP3														
	DUP3A														
	CBH7 (1.5-1.6m)														
	TBI						1x 125ml glass jar								
	TS1														

RELINQUISHED BY:

Signature: [Signature] Date: 24/7/12

Company: Coffey Environments Time: 3:30p.m.

Signature: [Signature] Date:

Company: Time:

RECEIVED BY:

Signature: [Signature] Date: 24/7/12

Company: MGT LabMark Time: 3:30p.m.

Signature: [Signature] Date: 24/7/12

Company: MGT LabMark Time: 15:55

Sample Receipt Advice: (Lab Use Only)

All Samples Received in Good Condition . . . ☐All Documentation is in Proper Order ☐Samples Received Properly Chilled ☐

Lab. Ref/Batch No. 345664

* Container Type & Preservation Codes: P - Plastic, G - Solvent Washed Acid Rinsed Glass Bottle, V - Vial, N - Nitric Acid Preserved

C - Hydrochloric Acid Preserved, S - Sulphuric Acid Preserved, I - Ice

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

89247



Philippines: ☐ 3rd Floor, JMT Bldg, ADB Ave, Ortigas Ctr, Pasig City, Metro Manila; Philippines Tel (+63) (2) 638 9686 Fax (+63) (2) 687 3518

ACT: ☐ 2/54 Northbourne Ave, Canberra ACT 2601 Tel (02) 6248 7366 Fax (02) 6248 7157

NSW: ☐ Level 1, 3 Rider Blvd, Rhodes NSW 2138 Tel (02) 8083 1600 Fax (02) 8765 0762

☐ Lot 101, 19 Warabrook Blvd, Warabrook NSW 2304 Tel (02) 4016 2300 Fax (02) 4016 2380

☐ 1/222 Berkeley Rd, Unanderra NSW 2526 Tel (02) 4272 6071 Fax (02) 4272 6075

QLD: ☐ 47 Doggett St, Newstead QLD 4006 Tel (07) 3608 2500 Fax (07) 3852 2805

SA: ☐ Level 1, 2-3 Greenhill Rd, Wayville SA 5034 Tel (08) 7221 3500 Fax (08) 8172 1968

TAS: ☐ Coffey Business Centre, 2 Melville St, Hobart TAS 7000 Tel (03) 6108 0100 Fax (03) 6108 0199

VIC: ☐ 126 Trenerry Cres, Abbotsford VIC 3067 Tel (03) 9473 1400 Fax (03) 9473 1450

☐ Level 1, 23 West Fyans St, Newtown VIC 3220 Tel (03) 5215 4600 Fax (03) 5224 1368

WA: ☐ 61 Duke St, Albany WA 6330 Tel (08) 9892 6400 Fax (08) 9892 6444

☐ Suite 2, 53 Burswood Rd, Burswood WA 6100 Tel (08) 9355 7100 Fax (08) 9355 7111

☐ Suite 3 & 4, 236 Naturaliste Tce, Dunsborough WA 6281 Tel (08) 9756 7869 Fax (08) 9756 8878

Project No: 1076020303AD Task No:

Project Name: MGP Meeting Harbour Laboratory: MGP LabMark

Samplers Name: MGP Lab Project Manager: Matthew Locke

Special Instructions:

NOTE: BTEX/TPH/PAH TO BE ANALYSED AS SUITE B4

Analysis Request Section

Lab. No.	Sample ID	Sample Location	Sample Depth	Sample Date	Time	Matrix (Soil ... etc)	Container Type & Preservative*	T-A-T (Specify)	BTEX/TPH/PAH (B4)	METALS	PAHs	OCs/OPs	Asbestos	PH Field	PH Fox	NOTES
	BH8 (0.5-0.6m)			24/7/12		Soil	Plastic glass jar	Standard	/							
	BH8 (1.0-1.1m)						Plastic glass jar		/							
	BH8 (1.5-1.6m)						Plastic glass jar		/							
	BH8 (2.0-2.1m)						Plastic glass jar		/							
	BH8 (2.5-2.6m)						Plastic glass jar		/							
	BH8 (3.0-3.1m)						Plastic glass jar		/							
	BH8 (3.5-3.6m)						Plastic glass jar		/							
	BH8 (4.0-4.1m)						Plastic glass jar		/							
	BH8 (4.5-4.6m)						Plastic glass jar		/							
	BH8 (5.0-5.1m)						Plastic glass jar		/							
	BH8 (5.5-5.6m)						Plastic glass jar		/							
	BH8 (5.9-6.0m)						Plastic glass jar		/							
	BH7 (0.5-0.6m)						Plastic glass jar		/							
	DUPI															
	DUPIA															

RELINQUISHED BY:

Signature: [Signature] Date: 24/7/12

Company: Coffey Ltd Time: 3:30 p.m.

Signature: [Signature] Date:

Company: Time:

RECEIVED BY:

Signature: [Signature] Date: 24/7/12

Company: MGP LabMark Time: 3:30 p.m.

Signature: [Signature] Date: 24/7/12

Company: MGP LabMark Time: 15:55

Sample Receipt Advice: (Lab Use Only)

All Samples Received in Good Condition ... ☐

All Documentation is in Proper Order ☐

Samples Received Properly Chilled ☐

Lab. Ref/Batch No.

345664

* Container Type & Preservation Codes: P - Plastic, G - Solvent Washed Acid Rinsed Glass Bottle, V - Vial, N - Nitric Acid Preserved
C - Hydrochloric Acid Preserved, S - Sulphuric Acid Preserved, I - Ice

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

89248



Philippines: ☐ 3rd Floor, JMT Bldg, ADB Ave, Ortigas Ctr, Pasig City, Metro Manila; Philippines Tel (+63) (2) 638 9686 Fax (+63) (2) 687 3518

ACT: ☐ 2/54 Northbourne Ave, Canberra ACT 2601 Tel (02) 6248 7366 Fax (02) 6248 7157

NSW: ☒ Level 1, 3 Ridler Blvd, Rhodes NSW 2138 Tel (02) 8083 1600 Fax (02) 8765 0762

☐ Lot 101, 19 Warabrook Blvd, Warabrook NSW 2304 Tel (02) 4016 2300 Fax (02) 4016 2380

☐ 1/222 Berkeley Rd, Unanderra NSW 2526 Tel (02) 4272 6071 Fax (02) 4272 6075

QLD: ☐ 47 Doggett St, Newstead QLD 4006 Tel (07) 3608 2500 Fax (07) 3852 2805

SA: ☐ Level 1, 2-3 Greenhill Rd, Wayville SA 5034 Tel (08) 7221 3500 Fax (08) 8172 1968

TAS: ☐ Coffey Business Centre, 2 Melville St, Hobart TAS 7000 Tel (03) 6108 0100 Fax (03) 6108 0199

VIC: ☐ 126 Trenerry Cres, Abbotsford VIC 3067 Tel (03) 9473 1400 Fax (03) 9473 1450

☐ Level 1, 23 West Fyans St, Newtown VIC 3220 Tel (03) 5215 4600 Fax (03) 5224 1368

WA: ☐ 61 Duke St, Albany WA 6330 Tel (08) 9892 6400 Fax (08) 9892 6444

☐ Suite 2, 53 Burswood Rd, Burswood WA 6100 Tel (08) 9355 7100 Fax (08) 9355 7111

☐ Suite 3 & 4, 236 Naturaliste Tce, Dunsborough WA 6281 Tel (08) 9756 7869 Fax (08) 9756 8878

Project No: 10011001-303AD Task No:

Project Name: KEEPP Darling Harbour Laboratory: MacLabMark

Samplers Name: Peta Duss Project Manager: Matthew Locke

Special Instructions:

BTEX/TPH/PAH TO BE ANALYSED AS SUITE B4-

Lab. No.	Sample ID	Sample Location	Sample Depth	Sample Date	Time	Matrix (Soil ... etc)	Container Type & Preservative*	T-A-T (Specify)	BTEX	METAL	PAHs	OCs	ASPs	Atmos	Water					NOTES
	DUP2						↓													
	CBH8 ASS1 1.5m																			
	CBH8 ASS2 3.5m																			
	CBH8 ASS3 4.0m																			
	CBH8 ASS4 4.5m																			
	CBH8 ASS5 5.0m																			
	CBH8 ASS6 5.5m																			
	CBH8 ASS7 6.0m																			
	CBH7 (0-1m)						1 x 250ml glass jar + 1 x plastic bag		///											
	DUP3						↓													
	DUP3A								///											
	CBH7 (1.5-16m)								///				✓							Soil not analyzed
	TR1																			
	TS1																			

RELINQUISHED BY:

RECEIVED BY: 3-55 PA7

Signature: _____ Date: 24/7/12

Company: _____ Time: 3:30pm

Signature: _____ Date: _____

Company: _____ Time: _____

Signature: _____ Date: 24/7/12

Company: MacLabMark Time: 3:30pm

Signature: _____ Date: 24/7/12

Company: MacLabMark Time: 15:55

Sample Receipt Advice: (Lab Use Only)

All Samples Received in Good Condition ... ☐All Documentation is in Proper Order ☐Samples Received Properly Chilled ☐

Lab. Ref/Batch No.

345664

* Container Type & Preservation Codes: P - Plastic, G - Solvent Washed Acid Rinsed Glass Bottle, V - Vial, N - Nitric Acid Preserved

C - Hydrochloric Acid Preserved, S - Sulphuric Acid Preserved, I - Ice

Coffey Geotechnics Pty Ltd Chatswood
Level 19, Tower B, Citadel Tower 799 Pacific Highway
Chatswood
NSW 2067

Attention: Matthew Locke

Report 345835-S
Client Reference SICEEP DARLING HARBOUR GEOTLCOV24303AD
Received Date Jul 26, 2012



Certificate of Analysis

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025.
The results of the tests, calibrations and/or
measurements included in this document are traceable
to Australian/national standards.

Client Sample ID			CBH6_(0.5-0.6m)	CBH6_(1.0-1.1m)	CBH6_(1.5-1.6m)	CBH6_(2.0-2.1m)
Sample Matrix			Soil	Soil	Soil	Soil
mgt-LabMark Sample No.			S12-JI21161	S12-JI21162	S12-JI21163	S12-JI21164
Date Sampled			Jul 25, 2012	Jul 25, 2012	Jul 25, 2012	Jul 25, 2012
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	10	mg/kg	< 10	-	< 10	< 10
TRH C10-C14	50	mg/kg	< 50	-	< 50	< 50
TRH C15-C28	100	mg/kg	< 100	-	< 100	< 100
TRH C29-C36	100	mg/kg	< 100	-	< 100	< 100
TRH C10-36 (Total)	100	mg/kg	< 100	-	< 100	< 100
BTEX						
Benzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Toluene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Ethylbenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Total m+p-Xylenes	1	mg/kg	< 1	-	< 1	< 1
o-Xylene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Xylenes(ortho.meta and para)	1.5	mg/kg	< 1.5	-	< 1.5	< 1.5
Total BTEX	1.5	mg/kg	< 1.5	-	< 1.5	< 1.5
4-Bromofluorobenzene (surr.)	1	%	87	-	92	85
Total Recoverable Hydrocarbons - Draft 2010 NEPM Fractions *						
Naphthalene ^{N02}	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	-	< 20	< 20
TRH C6-C10 less BTEX (F1) ^{N04}	20	mg/kg	< 20	-	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	-	< 50	< 50
TRH >C10-C16 less Naphthalene (F2) ^{N01}	50	mg/kg	< 50	-	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	-	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	-	< 100	< 100
Polyaromatic Hydrocarbons (PAH)						
Acenaphthene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(b)fluoranthene & Benzo(k)fluoranthene	1	mg/kg	< 1	-	< 1	< 1
Benzo(g,h,i)perylene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dibenz(a,h)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5



Client Sample ID			CBH6_(0.5-0.6m)	CBH6_(1.0-1.1m)	CBH6_(1.5-1.6m)	CBH6_(2.0-2.1m)
Sample Matrix			Soil	Soil	Soil	Soil
mgt-LabMark Sample No.			S12-JI21161	S12-JI21162	S12-JI21163	S12-JI21164
Date Sampled			Jul 25, 2012	Jul 25, 2012	Jul 25, 2012	Jul 25, 2012
Test/Reference	LOR	Unit				
Naphthalene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Total PAH	1	mg/kg	< 1	-	< 1	< 1
2-Fluorobiphenyl (surr.)	1	%	104	-	101	91
p-Terphenyl-d14 (surr.)	1	%	100	-	104	96
% Moisture	0.1	%	7.5	-	18	18
Asbestos			-	ASET Report	ASET Report	-

Client Sample ID			CBH6_(2.5-2.6m)	CBH6_ASS1_2 .5m	CBH6_ASS3_3 .5m	TB2
Sample Matrix			Soil	Soil	Soil	Soil
mgt-LabMark Sample No.			S12-JI21165	S12-JI21172	S12-JI21174	S12-JI21179
Date Sampled			Jul 25, 2012	Jul 25, 2012	Jul 25, 2012	Jul 25, 2012
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	10	mg/kg	< 10	-	-	-
TRH C10-C14	50	mg/kg	< 50	-	-	-
TRH C15-C28	100	mg/kg	< 100	-	-	-
TRH C29-C36	100	mg/kg	< 100	-	-	-
TRH C10-36 (Total)	100	mg/kg	< 100	-	-	-
BTEX						
Benzene	0.5	mg/kg	< 0.5	-	-	< 0.5
Toluene	0.5	mg/kg	< 0.5	-	-	< 0.5
Ethylbenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
Total m+p-Xylenes	1	mg/kg	< 1	-	-	< 1
o-Xylene	0.5	mg/kg	< 0.5	-	-	< 0.5
Xylenes(ortho.meta and para)	1.5	mg/kg	< 1.5	-	-	< 1.5
Total BTEX	1.5	mg/kg	< 1.5	-	-	< 1.5
4-Bromofluorobenzene (surr.)	1	%	85	-	-	91
Total Recoverable Hydrocarbons - Draft 2010 NEPM Fractions *						
Naphthalene ^{N02}	0.5	mg/kg	< 0.5	-	-	-
TRH C6-C10	20	mg/kg	< 20	-	-	-
TRH C6-C10 less BTEX (F1) ^{N04}	20	mg/kg	< 20	-	-	-
TRH >C10-C16	50	mg/kg	< 50	-	-	-
TRH >C10-C16 less Naphthalene (F2) ^{N01}	50	mg/kg	< 50	-	-	-
TRH >C16-C34	100	mg/kg	< 100	-	-	-
TRH >C34-C40	100	mg/kg	< 100	-	-	-
Polyaromatic Hydrocarbons (PAH)						
Acenaphthene	0.5	mg/kg	< 0.5	-	-	-
Acenaphthylene	0.5	mg/kg	< 0.5	-	-	-
Anthracene	0.5	mg/kg	< 0.5	-	-	-
Benz(a)anthracene	0.5	mg/kg	< 0.5	-	-	-
Benzo(a)pyrene	0.5	mg/kg	< 0.5	-	-	-
Benzo(b)fluoranthene & Benzo(k)fluoranthene	1	mg/kg	< 1	-	-	-
Benzo(g,h,i)perylene	0.5	mg/kg	< 0.5	-	-	-
Chrysene	0.5	mg/kg	< 0.5	-	-	-
Dibenz(a,h)anthracene	0.5	mg/kg	< 0.5	-	-	-
Fluoranthene	0.5	mg/kg	< 0.5	-	-	-
Fluorene	0.5	mg/kg	< 0.5	-	-	-
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	< 0.5	-	-	-
Naphthalene	0.5	mg/kg	< 0.5	-	-	-
Phenanthrene	0.5	mg/kg	< 0.5	-	-	-
Pyrene	0.5	mg/kg	< 0.5	-	-	-
Total PAH	1	mg/kg	< 1	-	-	-
2-Fluorobiphenyl (surr.)	1	%	104	-	-	-
p-Terphenyl-d14 (surr.)	1	%	109	-	-	-
Acid Sulphate Soils Field pH Test						
pH-F (Field pH test)	0.1	units	-	5.6	7.0	-
pH-FOX (Field pH Peroxide test)	0.1	units	-	4.5	1.8	-
Reaction Ratings		comment	-	Low	Volcanic	-

Client Sample ID			CBH6_(2.5-2.6m)	CBH6_ASS1_2 .5m	CBH6_ASS3_3 .5m	TB2
Sample Matrix			Soil	Soil	Soil	Soil
mgt-LabMark Sample No.			S12-JI21165	S12-JI21172	S12-JI21174	S12-JI21179
Date Sampled			Jul 25, 2012	Jul 25, 2012	Jul 25, 2012	Jul 25, 2012
Test/Reference	LOR	Unit				
% Moisture	0.1	%	23	-	-	-

Client Sample ID			TS2	CBH5_(0.5-0.6m)	DUP4	CBH5_(1.0-1.1m)
Sample Matrix			Soil	Soil	Soil	Soil
mgt-LabMark Sample No.			S12-JI21180	S12-JI21181	S12-JI21182	S12-JI21183
Date Sampled			Jul 25, 2012	Jul 25, 2012	Jul 25, 2012	Jul 25, 2012
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	10	mg/kg	-	< 10	< 10	< 10
TRH C10-C14	50	mg/kg	-	< 50	< 50	< 50
TRH C15-C28	100	mg/kg	-	< 100	< 100	< 100
TRH C29-C36	100	mg/kg	-	< 100	< 100	< 100
TRH C10-36 (Total)	100	mg/kg	-	< 100	< 100	< 100
BTEX						
Benzene	0.5	mg/kg	109%	< 0.5	< 0.5	< 0.5
Toluene	0.5	mg/kg	111%	< 0.5	< 0.5	< 0.5
Ethylbenzene	0.5	mg/kg	111%	< 0.5	< 0.5	< 0.5
Total m+p-Xylenes	1	mg/kg	110%	< 1	< 1	< 1
o-Xylene	0.5	mg/kg	111%	< 0.5	< 0.5	< 0.5
Xylenes(ortho.meta and para)	1.5	mg/kg	110%	< 1.5	< 1.5	< 1.5
Total BTEX	1.5	mg/kg	110%	< 1.5	< 1.5	< 1.5
4-Bromofluorobenzene (surr.)	1	%	99	96	92	87
Total Recoverable Hydrocarbons - Draft 2010 NEPM Fractions *						
Naphthalene ^{N02}	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	-	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1) ^{N04}	20	mg/kg	-	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	-	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2) ^{N01}	50	mg/kg	-	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	-	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	-	< 100	< 100	< 100
Polyaromatic Hydrocarbons (PAH)						
Acenaphthene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(b)fluoranthene & Benzo(k)fluoranthene	1	mg/kg	-	< 1	< 1	< 1
Benzo(g,h,i)perylene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Dibenz(a,h)anthracene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Total PAH	1	mg/kg	-	< 1	< 1	< 1
2-Fluorobiphenyl (surr.)	1	%	-	93	96	106
p-Terphenyl-d14 (surr.)	1	%	-	98	101	112
% Moisture	0.1	%	-	9.5	9.1	3.3
Asbestos			-	ASET Report	-	ASET Report

Client Sample ID			CBH5_(2.0-2.1m)	CBH11_(0.5-0.6m)
Sample Matrix			Soil	Soil
mgt-LabMark Sample No.			S12-JI21185	S12-JI21186
Date Sampled			Jul 25, 2012	Jul 25, 2012
Test/Reference	LOR	Unit		
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				
TRH C6-C9	10	mg/kg	< 10	< 10
TRH C10-C14	50	mg/kg	< 50	< 50
TRH C15-C28	100	mg/kg	< 100	< 100
TRH C29-C36	100	mg/kg	< 100	< 100
TRH C10-36 (Total)	100	mg/kg	< 100	< 100
BTEX				
Benzene	0.5	mg/kg	< 0.5	< 0.5
Toluene	0.5	mg/kg	< 0.5	< 0.5
Ethylbenzene	0.5	mg/kg	< 0.5	< 0.5
Total m+p-Xylenes	1	mg/kg	< 1	< 1
o-Xylene	0.5	mg/kg	< 0.5	< 0.5
Xylenes(ortho.meta and para)	1.5	mg/kg	< 1.5	< 1.5
Total BTEX	1.5	mg/kg	< 1.5	< 1.5
4-Bromofluorobenzene (surr.)	1	%	84	83
Total Recoverable Hydrocarbons - Draft 2010 NEPM Fractions *				
Naphthalene ^{N02}	0.5	mg/kg	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20
TRH C6-C10 less BTEX (F1) ^{N04}	20	mg/kg	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50
TRH >C10-C16 less Naphthalene (F2) ^{N01}	50	mg/kg	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100
Polyaromatic Hydrocarbons (PAH)				
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	1.1	0.6
Benzo(a)pyrene	0.5	mg/kg	0.9	0.6
Benzo(b)fluoranthene & Benzo(k)fluoranthene	1	mg/kg	1.4	1.1
Benzo(g,h,i)perylene	0.5	mg/kg	0.6	< 0.5
Chrysene	0.5	mg/kg	0.8	0.6
Dibenz(a,h)anthracene	0.5	mg/kg	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	1.8	1.2
Fluorene	0.5	mg/kg	< 0.5	< 0.5
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	0.9	0.7
Pyrene	0.5	mg/kg	1.7	1.2
Total PAH	1	mg/kg	9.2	6.0
2-Fluorobiphenyl (surr.)	1	%	89	106
p-Terphenyl-d14 (surr.)	1	%	84	97
% Moisture	0.1	%	12	12
Asbestos			-	ASET Report

Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.

Description	Testing Site	Extracted	Holding Time
mgt-LabMark Suite 4			
Polyaromatic Hydrocarbons (PAH)	Sydney	Aug 08, 2012	14 Day
- Method: E007 Polyaromatic Hydrocarbons (PAH)			
BTEX	Sydney	Aug 07, 2012	14 Day
- Method: E029/E016 BTEX			
Total Recoverable Hydrocarbons - Draft 2010 NEPM Fractions *	Sydney	Aug 08, 2012	14 Day
- Method: LM-LTM-ORG2010			
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Sydney	Aug 08, 2012	14 Day
- Method: E004 Petroleum Hydrocarbons (TPH)			
Acid Sulphate Soils Field pH Test	Sydney	Aug 07, 2012	7 Day
- Method: Acid Sulphate Soils Guideline Series			
% Moisture	Sydney	Aug 07, 2012	28 Day
- Method: E005 Moisture Content			
Asbestos	Sydney	Aug 07, 2012	

Company Name: Coffey Geotechnics Pty Ltd Chatswood
Address: Level 19, Tower B, Citadel Tower 799 Pacific Highway
Chatswood
NSW 2067

Client Job No.: SICEEP DARLING HARBOUR GEOTLCOV24303AD

Order No.:
Report #: 345835
Phone: +61 2 9406 1000
Fax: +61 2 9406 1002

Received: Jul 26, 2012 7:17 PM
Due: Aug 3, 2012
Priority: 5 Day
Contact Name: Matthew Locke

mgt-LabMark Client Manager: Jean Heng

Sample Detail					% Moisture	Asbestos	HOLD	Acid Sulphate Soils Field pH Test	BTEX	mgt-LabMark Suite 4
Laboratory where analysis is conducted										
Melbourne Laboratory - NATA Site # 1254 & 14271										
Sydney Laboratory - NATA Site # 18217					X		X	X	X	X
Brisbane Laboratory - NATA Site # 20794										
External Laboratory						X				
Sample ID	Sample Date	Sampling Time	Matrix	LAB ID						
CBH6_(0.5-0.6m)	Jul 25, 2012		Soil	S12-JI21161	X					X
CBH6_(1.0-1.1m)	Jul 25, 2012		Soil	S12-JI21162		X				
CBH6_(1.5-1.6m)	Jul 25, 2012		Soil	S12-JI21163	X	X				X
CBH6_(2.0-2.1m)	Jul 25, 2012		Soil	S12-JI21164	X					X
CBH6_(2.5-2.6m)	Jul 25, 2012		Soil	S12-JI21165	X					X

Company Name: Coffey Geotechnics Pty Ltd Chatswood
Address: Level 19, Tower B, Citadel Tower 799 Pacific Highway
Chatswood
NSW 2067

Client Job No.: SICEEP DARLING HARBOUR GEOTLCOV24303AD

Order No.:
Report #: 345835
Phone: +61 2 9406 1000
Fax: +61 2 9406 1002

Received: Jul 26, 2012 7:17 PM
Due: Aug 3, 2012
Priority: 5 Day
Contact Name: Matthew Locke

mgt-LabMark Client Manager: Jean Heng

Sample Detail					% Moisture	Asbestos	HOLD	Acid Sulphate Soils Field pH Test	BTEX	mgt-LabMark Suite 4
Laboratory where analysis is conducted										
Melbourne Laboratory - NATA Site # 1254 & 14271										
Sydney Laboratory - NATA Site # 18217					X		X	X	X	X
Brisbane Laboratory - NATA Site # 20794										
External Laboratory						X				
CBH6_(3.0-3.1m)	Jul 25, 2012		Soil	S12-JI21166			X			
CBH6_(3.5-3.6m)	Jul 25, 2012		Soil	S12-JI21167			X			
CBH6_(4.0-4.1m)	Jul 25, 2012		Soil	S12-JI21168			X			
CBH6_(4.5-4.6m)	Jul 25, 2012		Soil	S12-JI21169			X			
CBH6_(5.0-5.1m)	Jul 25, 2012		Soil	S12-JI21170			X			
CBH6_(5.5-5.6m)	Jul 25, 2012		Soil	S12-JI21171			X			

Company Name: Coffey Geotechnics Pty Ltd Chatswood
Address: Level 19, Tower B, Citadel Tower 799 Pacific Highway
Chatswood
NSW 2067

Client Job No.: SICEEP DARLING HARBOUR GEOTLCOV24303AD

Order No.:
Report #: 345835
Phone: +61 2 9406 1000
Fax: +61 2 9406 1002

Received: Jul 26, 2012 7:17 PM
Due: Aug 3, 2012
Priority: 5 Day
Contact Name: Matthew Locke

mgt-LabMark Client Manager: Jean Heng

Sample Detail					% Moisture	Asbestos	HOLD	Acid Sulphate Soils Field pH Test	BTEX	mgt-LabMark Suite 4
Laboratory where analysis is conducted										
Melbourne Laboratory - NATA Site # 1254 & 14271										
Sydney Laboratory - NATA Site # 18217					X		X	X	X	X
Brisbane Laboratory - NATA Site # 20794										
External Laboratory						X				
CBH6_ASS1_2 .5m	Jul 25, 2012		Soil	S12-JI21172				X		
CBH6_ASS2_3 .0m	Jul 25, 2012		Soil	S12-JI21173			X			
CBH6_ASS3_3 .5m	Jul 25, 2012		Soil	S12-JI21174				X		
CBH6_ASS4_4 .0m	Jul 25, 2012		Soil	S12-JI21175			X			
CBH6_ASS5_4 .5m	Jul 25, 2012		Soil	S12-JI21176			X			
CBH6_ASS6_5 .0m	Jul 25, 2012		Soil	S12-JI21177			X			

Company Name: Coffey Geotechnics Pty Ltd Chatswood
Address: Level 19, Tower B, Citadel Tower 799 Pacific Highway
Chatswood
NSW 2067

Client Job No.: SICEEP DARLING HARBOUR GEOTLCOV24303AD

Order No.:
Report #: 345835
Phone: +61 2 9406 1000
Fax: +61 2 9406 1002

Received: Jul 26, 2012 7:17 PM
Due: Aug 3, 2012
Priority: 5 Day
Contact Name: Matthew Locke

mgt-LabMark Client Manager: Jean Heng

Sample Detail					% Moisture	Asbestos	HOLD	Acid Sulphate Soils Field pH Test	BTEX	mgt-LabMark Suite 4
Laboratory where analysis is conducted										
Melbourne Laboratory - NATA Site # 1254 & 14271										
Sydney Laboratory - NATA Site # 18217					X		X	X	X	X
Brisbane Laboratory - NATA Site # 20794										
External Laboratory						X				
CBH6_ASS7_5 .5m	Jul 25, 2012		Soil	S12-JI21178			X			
TB2	Jul 25, 2012		Soil	S12-JI21179					X	
TS2	Jul 25, 2012		Soil	S12-JI21180					X	
CBH5_(0.5- 0.6m)	Jul 25, 2012		Soil	S12-JI21181	X	X				X
DUP4	Jul 25, 2012		Soil	S12-JI21182	X					X
CBH5_(1.0- 1.1m)	Jul 25, 2012		Soil	S12-JI21183	X	X				X
CBH5_(1.5- 1.6m)	Jul 25, 2012		Soil	S12-JI21184			X			

Company Name: Coffey Geotechnics Pty Ltd Chatswood
Address: Level 19, Tower B, Citadel Tower 799 Pacific Highway
Chatswood
NSW 2067

Client Job No.: SICEEP DARLING HARBOUR GEOTLCOV24303AD

Order No.:
Report #: 345835
Phone: +61 2 9406 1000
Fax: +61 2 9406 1002

Received: Jul 26, 2012 7:17 PM
Due: Aug 3, 2012
Priority: 5 Day
Contact Name: Matthew Locke

mgt-LabMark Client Manager: Jean Heng

Sample Detail					% Moisture	Asbestos	HOLD	Acid Sulphate Soils Field pH Test	BTEX	mgt-LabMark Suite 4
Laboratory where analysis is conducted										
Melbourne Laboratory - NATA Site # 1254 & 14271										
Sydney Laboratory - NATA Site # 18217					X		X	X	X	X
Brisbane Laboratory - NATA Site # 20794										
External Laboratory						X				
CBH5_(2.0-2.1m)	Jul 25, 2012		Soil	S12-JI21185	X					X
CBH11_(0.5-0.6m)	Jul 25, 2012		Soil	S12-JI21186	X	X				X

General

- Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples are included in this QC report where applicable. Additional QC data may be available on request.
- All soil results are reported on a dry basis, unless otherwise stated.
- Actual PQLs are matrix dependant. Quoted PQLs may be raised where sample extracts are diluted due to interferences.
- Results are uncorrected for matrix spikes or surrogate recoveries.
- SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
- Samples were analysed on an 'as received' basis.
- This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001)

For samples received on the last day of holding time, notification of testing requirements should have been received at least

6 hours prior to sample receipt deadlines as stated on the Sample Receipt Acknowledgment

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

****NOTE:** pH duplicates are reported as a range NOT as an RPD

UNITS

mg/kg: milligrams per Kilogram

µg/L: micrograms per litre

ppb: Parts per billion

org/100mL: Organisms per 100 millilitres

MPN/100mL: Most Probable Number of organisms per 100 millilitres

mg/L: milligrams per litre

ppm: Parts per million

%: Percentage

NTU: Nephelometric Turbidity Units

TERMS

Dry:	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
LOR:	Limit Of Reporting.
SPIKE:	Addition of the analyte to the sample and reported as percentage recovery.
RPD:	Relative Percent Difference between two Duplicate pieces of analysis.
LCS:	Laboratory Control Sample - reported as percent recovery.
CRM:	Certified Reference Material - reported as percent recovery.
Method Blank:	In the case of solid samples these are performed on laboratory certified clean sands. In the case of water samples these are performed on de-ionised water.
Surr - Surrogate:	The addition of a like compound to the analyte target and reported as percentage recovery.
Duplicate:	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
Batch Duplicate:	A second piece of analysis from a sample outside of the client's batch of samples but run within the laboratory batch of analysis.
Batch SPIKE:	Spike recovery reported on a sample from outside of the client's batch of samples but run within the laboratory batch of analysis.
USEPA:	U.S Environmental Protection Agency
APHA:	American Public Health Association
ASLP:	Australian Standard Leaching Procedure (AS4439.3)
TCLP:	Toxicity Characteristic Leaching Procedure
COC:	Chain Of Custody
SRA:	Sample Receipt Advice
CP:	Client Parent - QC was performed on samples pertaining to this report
NC:	Non-Client Parent - QC was performed on samples not pertaining to this report, however QC is representative of the sequence or batch that client samples were analysed within

QC - ACCEPTANCE CRITERIA

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the LOR : No Limit

Results between 10-20 times the LOR : RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

Surrogate Recoveries : Recoveries must lie between 50-150% - Phenols 20-130%.

QC DATA GENERAL COMMENTS

- Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
- Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
- Organochlorine Pesticide analysis - where reporting LCS data, Toxophene & Chlordane are not added to the LCS.
- Organochlorine Pesticide analysis - where reporting Spike data, Toxophene is not added to the Spike.
- Total Recoverable Hydrocarbons - where reporting Spike & LCS data, a single spike of commercial Hydrocarbon products in the range of C12-C30 is added and it's Total Recovery is reported in the C10-C14 cell of the Report.
- pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt
- Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of Recovery the term "INT" appears against that analyte.
- Polychlorinated Biphenyls are spiked only using Arochlor 1260 in Matrix Spikes and LCS's.
- For Matrix Spikes and LCS results a dash " - " in the report means that the specific analyte was not added to the QC sample
- Duplicate RPD's are calculated from raw analytical data thus it is possible to have two sets of data below the LOR with a positive RPD - eg: LOR 0.1, Result A = <0.1 (raw data is 0.02) & Result B = <0.1 (raw data is 0.03) resulting in a RPD of 40% calculated from the raw data.

Test			Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code	
Method Blank										
Total Recoverable Hydrocarbons - 1999 NEPM Fractions E004 Petroleum Hydrocarbons (TPH)										
TRH C6-C9			mg/kg	< 10			10	Pass		
Method Blank										
BTEX E029/E016 BTEX										
Benzene			mg/kg	< 0.5			0.5	Pass		
Toluene			mg/kg	< 0.5			0.5	Pass		
Ethylbenzene			mg/kg	< 0.5			0.5	Pass		
Total m+p-Xylenes			mg/kg	< 1			1	Pass		
o-Xylene			mg/kg	< 0.5			0.5	Pass		
Xylenes(ortho.meta and para)			mg/kg	< 1.5			1.5	Pass		
Total BTEX			mg/kg	< 1.5			1.5	Pass		
Method Blank										
Polyaromatic Hydrocarbons (PAH) E007 Polyaromatic Hydrocarbons (PAH)										
Acenaphthene			mg/kg	< 0.5			0.5	Pass		
Acenaphthylene			mg/kg	< 0.5			0.5	Pass		
Anthracene			mg/kg	< 0.5			0.5	Pass		
Benz(a)anthracene			mg/kg	< 0.5			0.5	Pass		
Benzo(a)pyrene			mg/kg	< 0.5			0.5	Pass		
Benzo(b)fluoranthene & Benzo(k)fluoranthene			mg/kg	< 1			1	Pass		
Benzo(g.h.i)perylene			mg/kg	< 0.5			0.5	Pass		
Chrysene			mg/kg	< 0.5			0.5	Pass		
Dibenz(a.h)anthracene			mg/kg	< 0.5			0.5	Pass		
Fluoranthene			mg/kg	< 0.5			0.5	Pass		
Fluorene			mg/kg	< 0.5			0.5	Pass		
Indeno(1.2.3-cd)pyrene			mg/kg	< 0.5			0.5	Pass		
Naphthalene			mg/kg	< 0.5			0.5	Pass		
Phenanthrene			mg/kg	< 0.5			0.5	Pass		
Pyrene			mg/kg	< 0.5			0.5	Pass		
LCS - % Recovery										
Polyaromatic Hydrocarbons (PAH) E007 Polyaromatic Hydrocarbons (PAH)										
Acenaphthene			%	86			70-130	Pass		
Acenaphthylene			%	91			70-130	Pass		
Anthracene			%	88			70-130	Pass		
Benz(a)anthracene			%	86			70-130	Pass		
Benzo(a)pyrene			%	84			70-130	Pass		
Benzo(b)fluoranthene & Benzo(k)fluoranthene			%	83			70-130	Pass		
Benzo(g.h.i)perylene			%	87			70-130	Pass		
Chrysene			%	89			70-130	Pass		
Dibenz(a.h)anthracene			%	87			70-130	Pass		
Fluoranthene			%	87			70-130	Pass		
Fluorene			%	86			70-130	Pass		
Indeno(1.2.3-cd)pyrene			%	83			70-130	Pass		
Naphthalene			%	90			70-130	Pass		
Phenanthrene			%	86			70-130	Pass		
Pyrene			%	87			70-130	Pass		
Test		Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery										
Total Recoverable Hydrocarbons - 1999 NEPM Fractions					Result 1					
TRH C6-C9		S12-JI21161	CP	%	90			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
BTEX				Result 1					
Benzene	S12-JI21161	CP	%	101			70-130	Pass	
Toluene	S12-JI21161	CP	%	99			70-130	Pass	
Ethylbenzene	S12-JI21161	CP	%	99			70-130	Pass	
Total m+p-Xylenes	S12-JI21161	CP	%	97			70-130	Pass	
o-Xylene	S12-JI21161	CP	%	97			70-130	Pass	
Xylenes(ortho.meta and para)	S12-JI21161	CP	%	97			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - Draft 2010 NEPM Fractions *				Result 1					
Naphthalene	S12-JI21161	CP	%	99			70-130	Pass	
TRH C6-C10	S12-JI21161	CP	%	90			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1					
TRH C6-C9	S12-JI21186	CP	%	73			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S12-JI21186	CP	%	87			70-130	Pass	
Toluene	S12-JI21186	CP	%	82			70-130	Pass	
Ethylbenzene	S12-JI21186	CP	%	81			70-130	Pass	
Total m+p-Xylenes	S12-JI21186	CP	%	92			70-130	Pass	
o-Xylene	S12-JI21186	CP	%	92			70-130	Pass	
Xylenes(ortho.meta and para)	S12-JI21186	CP	%	92			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - Draft 2010 NEPM Fractions *				Result 1					
Naphthalene	S12-JI21186	CP	%	71			70-130	Pass	
TRH C6-C10	S12-JI21186	CP	%	72			70-130	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1	Result 2	RPD			
TRH C6-C9	S12-JI21161	CP	mg/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S12-JI21161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Toluene	S12-JI21161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Ethylbenzene	S12-JI21161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Total m+p-Xylenes	S12-JI21161	CP	mg/kg	< 1	< 1	<1	30%	Pass	
o-Xylene	S12-JI21161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Xylenes(ortho.meta and para)	S12-JI21161	CP	mg/kg	< 1.5	< 1.5	<1	30%	Pass	
Total BTEX	S12-JI21161	CP	mg/kg	< 1.5	< 1.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - Draft 2010 NEPM Fractions *				Result 1	Result 2	RPD			
Naphthalene	S12-JI21161	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S12-JI21161	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C6-C10 less BTEX (F1)	S12-JI21161	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1	Result 2	RPD			
TRH C6-C9	S12-JI21186	CP	mg/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S12-JI21186	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Toluene	S12-JI21186	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Ethylbenzene	S12-JI21186	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Total m+p-Xylenes	S12-JI21186	CP	mg/kg	< 1	< 1	<1	30%	Pass	
o-Xylene	S12-JI21186	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
BTEX				Result 1	Result 2	RPD			
Xylenes(ortho.meta and para)	S12-JI21186	CP	mg/kg	< 1.5	< 1.5	<1	30%	Pass	
Total BTEX	S12-JI21186	CP	mg/kg	< 1.5	< 1.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - Draft 2010 NEPM Fractions *				Result 1	Result 2	RPD			
Naphthalene	S12-JI21186	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S12-JI21186	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C6-C10 less BTEX (F1)	S12-JI21186	CP	mg/kg	< 20	< 20	<1	30%	Pass	

Comments

Please note: Samples requiring acid sulphate analysis were stored frozen allowing the analysis holding time to be extended.

Please note: Asbestos analysed by ASET (Job :ASET30621/33801/1-5) NATA Accreditation : 14484

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Organic samples had Teflon liners	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.

Authorised By

Jean Heng	Client Services
Laura Schofield	Senior Analyst-Volatile (NSW)
Ryan Hamilton	Senior Analyst-Organic (NSW)



Dr. Bob Symons

Laboratory Manager

Final report - this Report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Uncertainty data is available on request

mgt-LabMark shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall mgt-LabMark be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

89249



Philippines: ☐ 3rd Floor, JMT Bldg, ADB Ave, Ortigas Ctr, Pasig City, Metro Manila; Philippines Tel (+63) (2) 638 9686 Fax (+63) (2) 687 3518

ACT: ☐ 2/54 Northbourne Ave, Canberra ACT 2601 Tel (02) 6248 7366 Fax (02) 6248 7157

NSW: ☐ Level 1, 3 Rider Blvd, Rhodes NSW 2138 Tel (02) 8083 1600 Fax (02) 8765 0762

☐ Lot 101, 19 Warabrook Blvd, Warabrook NSW 2304 Tel (02) 4016 2300 Fax (02) 4016 2380

☐ 1/222 Berkeley Rd, Unanderra NSW 2526 Tel (02) 4272 6071 Fax (02) 4272 6075

QLD: ☐ 47 Doggett St, Newstead QLD 4006 Tel (07) 3608 2500 Fax (07) 3852 2805

SA: ☐ Level 1, 2-3 Greenhill Rd, Wayville SA 5034 Tel (08) 7221 3500 Fax (08) 8172 1968

TAS: ☐ Coffey Business Centre, 2 Melville St, Hobart TAS 7000 Tel (03) 6108 0100 Fax (03) 6108 0199

VIC: ☐ 126 Trenerry Cres, Abbotsford VIC 3067 Tel (03) 9473 1400 Fax (03) 9473 1450

☐ Level 1, 23 West Fyans St, Newtown VIC 3220 Tel (03) 5215 4600 Fax (03) 5224 1368

WA: ☐ 61 Duke St, Albany WA 6330 Tel (08) 9892 6400 Fax (08) 9892 6444

☐ Suite 2, 53 Burswood Rd, Burswood WA 6100 Tel (08) 9355 7100 Fax (08) 9355 7111

☐ Suite 3 & 4, 236 Naturaliste Tce, Dunsborough WA 6281 Tel (08) 9756 7869 Fax (08) 9756 8878

Project No: GEOTLCOV24303AD

Task No:

Project Name: SICEEP Darling Harbour

Laboratory: MGT LabMark

Samplers Name: Priya Dass

Project Manager: Matthew Locke

Special Instructions:

Analysis Request Section

Lab. No.	Sample ID	Sample Location	Sample Depth	Sample Date	Time	Matrix (Soil ... etc)	Container Type & Preservative*	T-A-T (Specify)	NOTES
	CBH6 (0.5-0.6m)			25/7/12		Soil	1x 250ml glass jar + 1 ziplock plastic bag + Ice	Standard	
	CBH6 (1.0-1.1m)								
	CBH6 (1.5-1.6m)								
	CBH6 (2.0-2.1m)								
	CBH6 (2.5-2.6m)								
	CBH6 (3.0-3.1m)								
	CBH6 (3.5-3.6m)								
	CBH6 (4.0-4.1m)								
	CBH6 (4.5-4.6m)								
	CBH6 (5.0-5.1m)								
	CBH6 (5.5-5.6m)								
	CBH6_ASS1 2.5m						1x ziplock plastic bag		
	CBH6_ASS2 3.0m								
	CBH6_ASS3 3.5m								
	CBH6_ASS4 4.0m								

RELINQUISHED BY:

Signature: [Signature] Date: 25/7/12

Company: Coffey Environments Time: 3:30pm

Signature: [Signature] Date: [Blank]

Company: [Blank] Time: [Blank]

RECEIVED BY:

Signature: [Signature] Date: 25/7/12

Company: MGT Labmark Time: 3:30pm

Signature: [Signature] Date: 25/7/12

Company: MGT Labmark Time: 16:00

Sample Receipt Advice: (Lab Use Only)

All Samples Received in Good Condition ... ☐All Documentation is in Proper Order ☐Samples Received Properly Chilled ☐

Lab. Ref/Batch No.

345835

* Container Type & Preservation Codes: P - Plastic, G - Solvent Washed Acid Rinsed Glass Bottle, V - Vial, N - Nitric Acid Preserved

C - Hydrochloric Acid Preserved, S - Sulphuric Acid Preserved, I - Ice

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

89250



Philippines: ☐ 3rd Floor, JMT Bldg, ADB Ave, Ortigas Ctr, Pasig City, Metro Manila, Philippines Tel (+63) (2) 638 9686 Fax (+63) (2) 687 3518

ACT: ☐ 2/54 Northbourne Ave, Canberra ACT 2601 Tel (02) 6248 7366 Fax (02) 6248 7157

NSW: ☐ Level 1, 3 Rider Blvd, Rhodes NSW 2138 Tel (02) 8083 1600 Fax (02) 8765 0762

☐ Lot 101, 19 Warabrook Blvd, Warabrook NSW 2304 Tel (02) 4016 2300 Fax (02) 4016 2380

☐ 1/222 Berkeley Rd, Unanderra NSW 2526 Tel (02) 4272 6071 Fax (02) 4272 6075

QLD: ☐ 47 Doggett St, Newstead QLD 4006 Tel (07) 3608 2500 Fax (07) 3852 2805

SA: ☐ Level 1, 2-3 Greenhill Rd, Wayville SA 5034 Tel (08) 7221 3500 Fax (08) 8172 1968

TAS: ☐ Coffey Business Centre, 2 Melville St, Hobart TAS 7000 Tel (03) 6108 0100 Fax (03) 6108 0199

VIC: ☐ 126 Trenerry Cres, Abbotsford VIC 3067 Tel (03) 9473 1400 Fax (03) 9473 1450

☐ Level 1, 23 West Fyans St, Newtown VIC 3220 Tel (03) 5215 4600 Fax (03) 5224 1368

WA: ☐ 61 Duke St, Albany WA 6330 Tel (08) 9892 6400 Fax (08) 9892 6444

☐ Suite 2, 53 Burswood Rd, Burswood WA 6100 Tel (08) 9355 7100 Fax (08) 9355 7111

☐ Suite 3 & 4, 236 Naturaliste Tce, Dunsborough WA 6281 Tel (08) 9756 7869 Fax (08) 9756 8878

Project No: GEOTLCOV24303AD

Task No:

Project Name: SICEEP Darling Harbour

Laboratory: MGT Lab Mark

Samplers Name: Priya Dass

Project Manager: Matthew Locke

Special Instructions:

Analysis Request Section

Lab. No.	Sample ID	Sample Location	Sample Depth	Sample Date	Time	Matrix (Soil ... etc)	Container Type & Preservative*	T-A-T (Specify)	BTEX / TPH	METALS (Specify)	PAHs / PHENOLS	OCs / OPs	Hold	Hold (freeze)	NOTES
	CBH6 ASS5	4.5m						Standard							
	CBH6 ASS6	5.0m													
	CBH6 ASS7	5.5m													
	TB2														
	TS2														
	CBH5 (0.5-0.6m)						1x250ml glass jar + 1 ziplock bag								
	DUP4														
	CBH5 (1.0-1.1m)														
	CBH5 (1.5-1.6m)														
	CBH5 (2.0-2.1m)														
	CBH11 (0.5-0.6m)														

RELINQUISHED BY:

Signature: [Signature] Date: 25/7/12

Company: Coffey Environments Time: 4:30pm

Signature: [Signature] Date: [Blank]

Company: [Blank] Time: [Blank]

RECEIVED BY:

Signature: [Signature] Date: 25/7/12

Company: MGT Lab Mark Time: 3:30PM

Signature: [Signature] Date: 25/7/12

Company: MGT Lab Mark Time: 16:00

Sample Receipt Advice: (Lab Use Only)

All Samples Received in Good Condition ... ☐All Documentation is in Proper Order ☐Samples Received Properly Chilled ☐

Lab. Ref/Batch No.

35 345835

* Container Type & Preservation Codes: P - Plastic, G - Solvent Washed Acid Rinsed Glass Bottle, V - Vial, N - Nitric Acid Preserved

C - Hydrochloric Acid Preserved, S - Sulphuric Acid Preserved, I - Ice