

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: 10110ND4303AD Task No:

Project Name: Deep Boring Harbour Laboratory: PHC Labmark

Samplers Name: Peter Noss Project Manager: Matthew Lake

Special Instructions:

NOTE: BTEX/TPH/PAH TO BE ANALISED AS SUITE B4
UNDER COFFEY/MAT PRICE SCHEDULE

Lab. No.	Sample ID	Sample Location	Sample Depth	Sample Date	Time	Matrix (Soil ... etc)	Container Type & Preservative*	T-A-T (Specify)	BTEX	METH	PAHs	OCs	Waxes	PCBs	CH	As							NOTES
	(BH6 (0.5-0.6m))			25/7/12		Soil	polyethylene bag	plastic	/	/	/	/	/	/	/	/							
	(BH6 (1.0-1.1m))						polyethylene bag		/	/	/	/	/	/	/	/							
	(BH6 (1.5-1.6m))								/	/	/	/	/	/	/	/							
	(BH6 (2.0-2.1m))								/	/	/	/	/	/	/	/							
	(BH6 (2.5-2.6m))								/	/	/	/	/	/	/	/							
	(BH6 (3.0-3.1m))								/	/	/	/	/	/	/	/							
	(BH6 (3.5-3.6m))								/	/	/	/	/	/	/	/							
	(BH6 (4.0-4.1m))								/	/	/	/	/	/	/	/							
	(BH6 (4.5-4.6m))								/	/	/	/	/	/	/	/							
	(BH6 (5.0-5.1m))								/	/	/	/	/	/	/	/							
	(BH6 (5.5-5.6m))								/	/	/	/	/	/	/	/							
	(BH6 ASS1 2.5m)						polyethylene bag		/	/	/	/	/	/	/	/							
	(BH6 ASS2 3.0m)								/	/	/	/	/	/	/	/							
	(BH6 ASS3 3.5m)								/	/	/	/	/	/	/	/							
	(BH6 ASS4 4.0m)								/	/	/	/	/	/	/	/							

RELINQUISHED BY:

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

Company: [Signature] Time: 2:30pm

Signature: [Signature] Date:

Company: [Signature] Time:

RECEIVED BY:

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

Company: [Signature] Time: 3:30pm

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

Company: [Signature] 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



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

Project No: 200711072

Task No:

Project Name: COFFEY Docking Harbour

Laboratory: Mott MacDonald

Samplers Name: Roger Boss

Project Manager: Mott MacDonald

Special Instructions:

NOTE: BTEX/PPH/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)	Analysis Request Section	NOTES
	CBH6 ASS5 4.5m								BTEX/PPH/PAH (B4)	
	CBH6 ASS6 5.0m								PAHs (B4)	
	CBH6 ASS7 5.5m								OCs/OPs	
	TS2								PH Field/PH Fox	
	TS2								Asbestos	
	CBH5 (0.5-0.6m)								BTEX (ONLY)	
	DUP4									
	CBH5 (10-11m)									
	CBH5 (15-16m)									
	CBH5 (20-21)									
	CBH1 (0.5-0.6m)									

RELINQUISHED BY:

RECEIVED BY:

Signature: [Signature] Date: 20/11/12

Company: Coffey Environments Time: 2:30pm

Signature: [Signature] Date: [Blank]

Company: [Blank] Time: [Blank]

Signature: [Signature] Date: 20/11/12

Company: Mott MacDonald Time: 3:30pm

Signature: [Signature] Date: 20/11/12

Company: Mott MacDonald 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

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

Attention: Matthew Locke

Report 346021-S
Client Reference SICEEP DARLING HARBOUR GEOTLCOV24303AD
Received Date Jul 27, 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			CBH9_(0.5-0.6m)	CBH9_(1.0-1.1m)	CBH9_(1.5-1.6m)	CBH9_(2.5-2.6m)
Sample Matrix			Soil	Soil	Soil	Soil
mgt-LabMark Sample No.			S12-JI22292	S12-JI22293	S12-JI22294	S12-JI22296
Date Sampled			Jul 26, 2012	Jul 26, 2012	Jul 26, 2012	Jul 26, 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	210	< 100	< 100
TRH C29-C36	100	mg/kg	< 100	580	< 100	< 100
TRH C10-36 (Total)	100	mg/kg	< 100	790	< 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	%	89	98	95	92
Total Recoverable Hydrocarbons - Draft 2010 NEPM Fractions *						
Naphthalene ^{N02}	0.5	mg/kg	< 0.5	1.2	< 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	570	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	540	< 100	< 100
Polyaromatic Hydrocarbons (PAH)						
Acenaphthene	0.5	mg/kg	< 0.5	0.9	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	2.8	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	5.8	1.1	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	6.0	1.8	< 0.5
Benzo(b)fluoranthene & Benzo(k)fluoranthene	1	mg/kg	< 1	9.1	2.8	< 1
Benzo(g,h,i)perylene	0.5	mg/kg	< 0.5	3.7	1.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	4.0	1.1	< 0.5
Dibenz(a,h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	12	1.6	< 0.5
Fluorene	0.5	mg/kg	< 0.5	0.8	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	2.7	1.0	< 0.5



Client Sample ID			CBH9_(0.5-0.6m)	CBH9_(1.0-1.1m)	CBH9_(1.5-1.6m)	CBH9_(2.5-2.6m)
Sample Matrix			Soil	Soil	Soil	Soil
mgt-LabMark Sample No.			S12-JI22292	S12-JI22293	S12-JI22294	S12-JI22296
Date Sampled			Jul 26, 2012	Jul 26, 2012	Jul 26, 2012	Jul 26, 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	8.9	0.6	< 0.5
Pyrene	0.5	mg/kg	< 0.5	11	1.8	< 0.5
Total PAH	1	mg/kg	< 1	68	13	< 1
2-Fluorobiphenyl (surr.)	1	%	89	90	90	89
p-Terphenyl-d14 (surr.)	1	%	86	88	84	88
% Moisture	0.1	%	6.3	11	16	19
Asbestos			ASET Report	-	ASET Report	-

Client Sample ID			CBH9_ASS1_3 .0m	CBH9_ASS3_4 .0m	CBH9_ASS5_5 .0m	CBH10_(0.5- 0.6m)
Sample Matrix			Soil	Soil	Soil	Soil
mgt-LabMark Sample No.			S12-JI22303	S12-JI22305	S12-JI22307	S12-JI22312
Date Sampled			Jul 26, 2012	Jul 26, 2012	Jul 26, 2012	Jul 26, 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	-	-	-	470
TRH C29-C36	100	mg/kg	-	-	-	200
TRH C10-36 (Total)	100	mg/kg	-	-	-	670
BTEX						
Benzene	0.5	mg/kg	-	-	-	< 0.5
Toluene	0.5	mg/kg	-	-	-	< 0.5
Ethylbenzene	0.5	mg/kg	-	-	-	< 0.5
Total m+p-Xylenes	1	mg/kg	-	-	-	< 1
o-Xylene	0.5	mg/kg	-	-	-	< 0.5
Xylenes(ortho.meta and para)	1.5	mg/kg	-	-	-	< 1.5
Total BTEX	1.5	mg/kg	-	-	-	< 1.5
4-Bromofluorobenzene (surr.)	1	%	-	-	-	89
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	-	-	-	580
TRH >C34-C40	100	mg/kg	-	-	-	110
Polyaromatic Hydrocarbons (PAH)						
Acenaphthene	0.5	mg/kg	-	-	-	< 0.5
Acenaphthylene	0.5	mg/kg	-	-	-	3.5
Anthracene	0.5	mg/kg	-	-	-	8.2
Benz(a)anthracene	0.5	mg/kg	-	-	-	16
Benzo(a)pyrene	0.5	mg/kg	-	-	-	10
Benzo(b)fluoranthene & Benzo(k)fluoranthene	1	mg/kg	-	-	-	17
Benzo(g,h,i)perylene	0.5	mg/kg	-	-	-	5.1
Chrysene	0.5	mg/kg	-	-	-	9.2
Dibenz(a,h)anthracene	0.5	mg/kg	-	-	-	< 0.5
Fluoranthene	0.5	mg/kg	-	-	-	37
Fluorene	0.5	mg/kg	-	-	-	1.9
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	-	-	-	4.2
Naphthalene	0.5	mg/kg	-	-	-	0.6
Phenanthrene	0.5	mg/kg	-	-	-	32
Pyrene	0.5	mg/kg	-	-	-	31
Total PAH	1	mg/kg	-	-	-	180
2-Fluorobiphenyl (surr.)	1	%	-	-	-	86
p-Terphenyl-d14 (surr.)	1	%	-	-	-	91
Acid Sulphate Soils Field pH Test						
pH-F (Field pH test)	0.1	units	7.7	8.5	8.6	-
pH-FOX (Field pH Peroxide test)	0.1	units	2.4	6.1	7.1	-
Reaction Ratings		comme nt	High	Volcanic	Low	-



Client Sample ID			CBH9_ASS1_3 .0m	CBH9_ASS3_4 .0m	CBH9_ASS5_5 .0m	CBH10_(0.5- 0.6m)
Sample Matrix			Soil	Soil	Soil	Soil
mgt-LabMark Sample No.			S12-JI22303	S12-JI22305	S12-JI22307	S12-JI22312
Date Sampled			Jul 26, 2012	Jul 26, 2012	Jul 26, 2012	Jul 26, 2012
Test/Reference	LOR	Unit				
% Moisture	0.1	%	-	-	-	14
Asbestos			-	-	-	ASET Report

Client Sample ID			CBH10 (1.0-1.1m)	CBH10 (1.5-1.6m)	CBH10 (2.0-2.1m)	DUP5
Sample Matrix			Soil	Soil	Soil	Soil
mgt-LabMark Sample No.			S12-JI22313	S12-JI22314	S12-JI22315	S12-JI22320
Date Sampled			Jul 26, 2012	Jul 26, 2012	Jul 26, 2012	Jul 26, 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	690	< 100	< 100	< 100
TRH C29-C36	100	mg/kg	420	< 100	< 100	< 100
TRH C10-36 (Total)	100	mg/kg	1100	< 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	%	85	80	82	88
Total Recoverable Hydrocarbons - Draft 2010 NEPM Fractions *						
Naphthalene ^{N02}	0.5	mg/kg	1.3	< 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	940	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	230	< 100	< 100	< 100
Polyaromatic Hydrocarbons (PAH)						
Acenaphthene	0.5	mg/kg	5.0	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	0.7	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	12	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	20	< 0.5	< 0.5	0.5
Benzo(a)pyrene	0.5	mg/kg	19	< 0.5	< 0.5	0.5
Benzo(b)fluoranthene & Benzo(k)fluoranthene	1	mg/kg	28	< 1	< 1	< 1
Benzo(g,h,i)perylene	0.5	mg/kg	11	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	13	< 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	50	0.6	< 0.5	1.2
Fluorene	0.5	mg/kg	5.1	< 0.5	< 0.5	< 0.5
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	8.6	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	3.8	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	42	0.7	< 0.5	1.0
Pyrene	0.5	mg/kg	43	< 0.5	< 0.5	1.0
Total PAH	1	mg/kg	260	1.3	< 1	4.2
2-Fluorobiphenyl (surr.)	1	%	89	90	90	83
p-Terphenyl-d14 (surr.)	1	%	90	87	89	77
% Moisture	0.1	%	11	33	16	18
Asbestos			-	ASET Report	-	-

Client Sample ID			CBH10_ASS2_4.0m
Sample Matrix			Soil
mgt-LabMark Sample No.			S12-JI22322
Date Sampled			Jul 26, 2012
Test/Reference	LOR	Unit	
Acid Sulphate Soils Field pH Test			
pH-F (Field pH test)	0.1	units	8.0
pH-FOX (Field pH Peroxide test)	0.1	units	4.7
Reaction Ratings		comment	High

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	Jul 31, 2012	14 Day
- Method: E007 Polyaromatic Hydrocarbons (PAH)			
BTEX	Sydney	Jul 31, 2012	14 Day
- Method: E029/E016 BTEX			
Total Recoverable Hydrocarbons - Draft 2010 NEPM Fractions *	Sydney	Jul 31, 2012	14 Day
- Method: LM-LTM-ORG2010			
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Sydney	Jul 31, 2012	14 Day
- Method: E004 Petroleum Hydrocarbons (TPH)			
Acid Sulphate Soils Field pH Test	Sydney	Jul 31, 2012	7 Day
- Method: Acid Sulphate Soils Guideline Series			
% Moisture	Sydney	Jul 31, 2012	28 Day
- Method: E005 Moisture Content			
Asbestos	Sydney	Jul 31, 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 #: 346021
Phone: +61 2 9406 1000
Fax: +61 2 9406 1002

Received: Jul 27, 2012 4:08 PM
Due: Aug 6, 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					
CBH9_(0.5-0.6m)	Jul 26, 2012		Soil	S12-JI22292	X	X			X
CBH9_(1.0-1.1m)	Jul 26, 2012		Soil	S12-JI22293	X				X
CBH9_(1.5-1.6m)	Jul 26, 2012		Soil	S12-JI22294	X	X			X
CBH9_(2.0-2.1m)	Jul 26, 2012		Soil	S12-JI22295			X		
CBH9_(2.5-2.6m)	Jul 26, 2012		Soil	S12-JI22296	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 #: 346021
Phone: +61 2 9406 1000
Fax: +61 2 9406 1002

Received: Jul 27, 2012 4:08 PM
Due: Aug 6, 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			
CBH9_(3.0-3.1m)	Jul 26, 2012		Soil	S12-JI22297			X		
CBH9_(3.5-3.6m)	Jul 26, 2012		Soil	S12-JI22298			X		
CBH9_(4.0-4.1m)	Jul 26, 2012		Soil	S12-JI22299			X		
CBH9_(4.5-4.6m)	Jul 26, 2012		Soil	S12-JI22300			X		
CBH9_(5.0-5.1m)	Jul 26, 2012		Soil	S12-JI22301			X		
CBH9_(5.4-5.5m)	Jul 26, 2012		Soil	S12-JI22302			X		

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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			
CBH9_ASS1_3 .0m	Jul 26, 2012		Soil	S12-JI22303				X	
CBH9_ASS2_3 .5m	Jul 26, 2012		Soil	S12-JI22304			X		
CBH9_ASS3_4 .0m	Jul 26, 2012		Soil	S12-JI22305				X	
CBH9_ASS4_4 .5m	Jul 26, 2012		Soil	S12-JI22306			X		
CBH9_ASS5_5 .0m	Jul 26, 2012		Soil	S12-JI22307				X	
CBH9_ASS6_5 .5m	Jul 26, 2012		Soil	S12-JI22308			X		
TB3	Jul 19, 2012		Soil	S12-JI22309			X		

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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			
TS3	Jul 19, 2012		Soil	S12-JI22310			X		
RB1	Jul 26, 2012		Water	S12-JI22311					X
CBH10_(0.5-0.6m)	Jul 26, 2012		Soil	S12-JI22312	X	X			X
CBH10_(1.0-1.1m)	Jul 26, 2012		Soil	S12-JI22313	X				X
CBH10_(1.5-1.6m)	Jul 26, 2012		Soil	S12-JI22314	X	X			X
CBH10_(2.0-2.1m)	Jul 26, 2012		Soil	S12-JI22315	X				X
CBH10_(2.5-2.6m)	Jul 26, 2012		Soil	S12-JI22316			X		

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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			
CBH10_(3.0-3.1m)	Jul 26, 2012		Soil	S12-JI22317			X		
CBH10_(3.5-3.6m)	Jul 26, 2012		Soil	S12-JI22318			X		
CBH10_(3.9-4.0m)	Jul 26, 2012		Soil	S12-JI22319			X		
DUP5	Jul 26, 2012		Soil	S12-JI22320	X				X
CBH10_ASS1_3.5m	Jul 26, 2012		Soil	S12-JI22321			X		
CBH10_ASS2_4.0m	Jul 26, 2012		Soil	S12-JI22322				X	
TS3LAB	Jul 19, 2012		Soil	S12-JI22323			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 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	
TRH C10-C14	mg/kg	< 50			50	Pass	
TRH C15-C28	mg/kg	< 100			100	Pass	
TRH C29-C36	mg/kg	< 100			100	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	
TRH >C10-C16	mg/kg	< 50			50	Pass	
TRH >C16-C34	mg/kg	< 100			100	Pass	
TRH >C34-C40	mg/kg	< 100			100	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							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions E004 Petroleum Hydrocarbons (TPH)							
TRH C6-C9	%	115			70-130	Pass	
TRH C10-C14	%	90			70-130	Pass	
LCS - % Recovery							
BTEX E029/E016 BTEX							
Benzene	%	123			70-130	Pass	
Toluene	%	121			70-130	Pass	
Ethylbenzene	%	118			70-130	Pass	
Total m+p-Xylenes	%	125			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
o-Xylene	%	117			70-130	Pass	
Xylenes(ortho.meta and para)	%	123			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - Draft 2010 NEPM Fractions * LM-LTM-ORG2010							
Naphthalene	%	128			70-130	Pass	
TRH C6-C10	%	116			70-130	Pass	
TRH >C10-C16	%	88			70-130	Pass	
LCS - % Recovery							
Polyaromatic Hydrocarbons (PAH) E007 Polyaromatic Hydrocarbons (PAH)							
Acenaphthene	%	100			70-130	Pass	
Acenaphthylene	%	100			70-130	Pass	
Anthracene	%	99			70-130	Pass	
Benz(a)anthracene	%	97			70-130	Pass	
Benzo(a)pyrene	%	97			70-130	Pass	
Benzo(b)fluoranthene & Benzo(k)fluoranthene	%	99			70-130	Pass	
Benzo(g,h,i)perylene	%	104			70-130	Pass	
Chrysene	%	101			70-130	Pass	
Dibenz(a,h)anthracene	%	94			70-130	Pass	
Fluoranthene	%	100			70-130	Pass	
Fluorene	%	96			70-130	Pass	
Indeno(1,2,3-cd)pyrene	%	96			70-130	Pass	
Naphthalene	%	100			70-130	Pass	
Phenanthrene	%	100			70-130	Pass	
Pyrene	%	99			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-JI22292	CP	%	81			70-130	Pass	
TRH C10-C14	S12-JI22292	CP	%	90			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S12-JI22292	CP	%	88			70-130	Pass	
Toluene	S12-JI22292	CP	%	84			70-130	Pass	
Ethylbenzene	S12-JI22292	CP	%	81			70-130	Pass	
Total m+p-Xylenes	S12-JI22292	CP	%	89			70-130	Pass	
o-Xylene	S12-JI22292	CP	%	83			70-130	Pass	
Xylenes(ortho.meta and para)	S12-JI22292	CP	%	87			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - Draft 2010 NEPM Fractions *				Result 1					
Naphthalene	S12-JI22292	CP	%	70			70-130	Pass	
TRH C6-C10	S12-JI22292	CP	%	80			70-130	Pass	
TRH >C10-C16	S12-JI22292	CP	%	88			70-130	Pass	
Spike - % Recovery									
Polyaromatic Hydrocarbons (PAH)				Result 1					
Acenaphthene	S12-JI22292	CP	%	86			70-130	Pass	
Acenaphthylene	S12-JI22292	CP	%	85			70-130	Pass	
Anthracene	S12-JI22292	CP	%	85			70-130	Pass	
Benz(a)anthracene	S12-JI22292	CP	%	81			70-130	Pass	
Benzo(a)pyrene	S12-JI22292	CP	%	83			70-130	Pass	
Benzo(b)fluoranthene & Benzo(k)fluoranthene	S12-JI22292	CP	%	84			70-130	Pass	
Benzo(g,h,i)perylene	S12-JI22292	CP	%	90			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Chrysene	S12-JI22292	CP	%	86			70-130	Pass	
Dibenz(a,h)anthracene	S12-JI22292	CP	%	81			70-130	Pass	
Fluoranthene	S12-JI22292	CP	%	86			70-130	Pass	
Fluorene	S12-JI22292	CP	%	83			70-130	Pass	
Indeno(1.2.3-cd)pyrene	S12-JI22292	CP	%	84			70-130	Pass	
Naphthalene	S12-JI22292	CP	%	87			70-130	Pass	
Phenanthrene	S12-JI22292	CP	%	86			70-130	Pass	
Pyrene	S12-JI22292	CP	%	85			70-130	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1	Result 2	RPD			
TRH C6-C9	S12-JI22292	CP	mg/kg	< 10	< 10	<1	30%	Pass	
TRH C10-C14	S12-JI22292	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C15-C28	S12-JI22292	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH C29-C36	S12-JI22292	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S12-JI22292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Toluene	S12-JI22292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Ethylbenzene	S12-JI22292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Total m+p-Xylenes	S12-JI22292	CP	mg/kg	< 1	< 1	<1	30%	Pass	
o-Xylene	S12-JI22292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Xylenes(ortho.meta and para)	S12-JI22292	CP	mg/kg	< 1.5	< 1.5	<1	30%	Pass	
Total BTEX	S12-JI22292	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-JI22292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S12-JI22292	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C6-C10 less BTEX (F1)	S12-JI22292	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH >C10-C16	S12-JI22292	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S12-JI22292	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S12-JI22292	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Polyaromatic Hydrocarbons (PAH)				Result 1	Result 2	RPD			
Acenaphthene	S12-JI22292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S12-JI22292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S12-JI22292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S12-JI22292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S12-JI22292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b)fluoranthene & Benzo(k)fluoranthene	S12-JI22292	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Benzo(g,h,i)perylene	S12-JI22292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S12-JI22292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a,h)anthracene	S12-JI22292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S12-JI22292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S12-JI22292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S12-JI22292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S12-JI22292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S12-JI22292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S12-JI22292	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Comments

Please note: Asbestos analysed by ASET (Job : ASET30638/33818/1-4) 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.

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

Attention: Matthew Locke

Report 346021-W
Client Reference SICEEP DARLING HARBOUR GEOTLCOV24303AD
Received Date Jul 27, 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			RB1
Sample Matrix			Water
mgt-LabMark Sample No.			S12-JI22311
Date Sampled			Jul 26, 2012
Test/Reference	LOR	Unit	
Total Recoverable Hydrocarbons - 1999 NEPM Fractions			
TRH C6-C9	0.02	mg/L	< 0.02
TRH C10-C14	0.05	mg/L	< 0.05
TRH C15-C28	0.1	mg/L	< 0.1
TRH C29-C36	0.1	mg/L	< 0.1
TRH C10-36 (Total)	0.1	mg/L	< 0.1
BTEX			
Benzene	0.001	mg/L	< 0.001
Toluene	0.001	mg/L	< 0.001
Ethylbenzene	0.001	mg/L	< 0.001
Total m+p-Xylenes	0.002	mg/L	< 0.002
o-Xylene	0.001	mg/L	< 0.001
Xylenes(ortho.meta and para)	0.003	mg/L	< 0.003
Total BTEX	0.01	mg/L	< 0.01
4-Bromofluorobenzene (surr.)	1	%	101
Total Recoverable Hydrocarbons - Draft 2010 NEPM Fractions *			
Naphthalene ^{N02}	0.005	mg/L	< 0.005
TRH C6-C10	0.02	mg/L	< 0.02
TRH C6-C10 less BTEX (F1) ^{N04}	0.02	mg/L	< 0.02
TRH >C10-C16	0.05	mg/L	< 0.05
TRH >C10-C16 less Naphthalene (F2) ^{N01}	0.05	mg/L	< 0.05
TRH >C16-C34	0.1	mg/L	< 0.1
TRH >C34-C40	0.1	mg/L	< 0.1
Polyaromatic Hydrocarbons (PAH)			
Acenaphthene	0.001	mg/L	< 0.001
Acenaphthylene	0.001	mg/L	< 0.001
Anthracene	0.001	mg/L	< 0.001
Benz(a)anthracene	0.001	mg/L	< 0.001
Benzo(a)pyrene	0.001	mg/L	< 0.001
Benzo(b)fluoranthene & Benzo(k)fluoranthene	0.002	mg/L	< 0.002
Benzo(g,h,i)perylene	0.001	mg/L	< 0.001
Chrysene	0.001	mg/L	< 0.001
Dibenz(a,h)anthracene	0.001	mg/L	< 0.001
Fluoranthene	0.001	mg/L	< 0.001
Fluorene	0.001	mg/L	< 0.001
Indeno(1,2,3-cd)pyrene	0.001	mg/L	< 0.001
Naphthalene	0.001	mg/L	< 0.001

Client Sample ID			RB1
Sample Matrix			Water
mgt-LabMark Sample No.			S12-JI22311
Date Sampled			Jul 26, 2012
Test/Reference	LOR	Unit	
Phenanthrene	0.001	mg/L	< 0.001
Pyrene	0.001	mg/L	< 0.001
Total PAH	0.002	mg/L	< 0.002
2-Fluorobiphenyl (surr.)	1	%	101
p-Terphenyl-d14 (surr.)	1	%	108

Description	Testing Site	Extracted	Holding Time
mgt-LabMark Suite 4			
Polyaromatic Hydrocarbons (PAH) - Method: E007 Polyaromatic Hydrocarbons (PAH)	Sydney	Jul 28, 2012	7 Day
BTEX - Method: E029/E016 BTEX	Sydney	Jul 28, 2012	14 Day
Total Recoverable Hydrocarbons - Draft 2010 NEPM Fractions * - Method: LM-LTM-ORG2010	Sydney	Jul 28, 2012	7 Day
Total Recoverable Hydrocarbons - 1999 NEPM Fractions - Method: E004 Petroleum Hydrocarbons (TPH)	Sydney	Jul 28, 2012	7 Day

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 #: 346021
Phone: +61 2 9406 1000
Fax: +61 2 9406 1002

Received: Jul 27, 2012 4:08 PM
Due: Aug 6, 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					
CBH9_(0.5-0.6m)	Jul 26, 2012		Soil	S12-JI22292	X	X			X
CBH9_(1.0-1.1m)	Jul 26, 2012		Soil	S12-JI22293	X				X
CBH9_(1.5-1.6m)	Jul 26, 2012		Soil	S12-JI22294	X	X			X
CBH9_(2.0-2.1m)	Jul 26, 2012		Soil	S12-JI22295			X		
CBH9_(2.5-2.6m)	Jul 26, 2012		Soil	S12-JI22296	X				X

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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			
CBH9_(3.0-3.1m)	Jul 26, 2012		Soil	S12-JI22297			X		
CBH9_(3.5-3.6m)	Jul 26, 2012		Soil	S12-JI22298			X		
CBH9_(4.0-4.1m)	Jul 26, 2012		Soil	S12-JI22299			X		
CBH9_(4.5-4.6m)	Jul 26, 2012		Soil	S12-JI22300			X		
CBH9_(5.0-5.1m)	Jul 26, 2012		Soil	S12-JI22301			X		
CBH9_(5.4-5.5m)	Jul 26, 2012		Soil	S12-JI22302			X		

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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			
CBH9_ASS1_3 .0m	Jul 26, 2012		Soil	S12-JI22303				X	
CBH9_ASS2_3 .5m	Jul 26, 2012		Soil	S12-JI22304			X		
CBH9_ASS3_4 .0m	Jul 26, 2012		Soil	S12-JI22305				X	
CBH9_ASS4_4 .5m	Jul 26, 2012		Soil	S12-JI22306			X		
CBH9_ASS5_5 .0m	Jul 26, 2012		Soil	S12-JI22307				X	
CBH9_ASS6_5 .5m	Jul 26, 2012		Soil	S12-JI22308			X		
TB3	Jul 19, 2012		Soil	S12-JI22309			X		

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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			
TS3	Jul 19, 2012		Soil	S12-JI22310			X		
RB1	Jul 26, 2012		Water	S12-JI22311					X
CBH10_(0.5-0.6m)	Jul 26, 2012		Soil	S12-JI22312	X	X			X
CBH10_(1.0-1.1m)	Jul 26, 2012		Soil	S12-JI22313	X				X
CBH10_(1.5-1.6m)	Jul 26, 2012		Soil	S12-JI22314	X	X			X
CBH10_(2.0-2.1m)	Jul 26, 2012		Soil	S12-JI22315	X				X
CBH10_(2.5-2.6m)	Jul 26, 2012		Soil	S12-JI22316			X		

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Received: Jul 27, 2012 4:08 PM
Due: Aug 6, 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			
CBH10_(3.0-3.1m)	Jul 26, 2012		Soil	S12-JI22317			X		
CBH10_(3.5-3.6m)	Jul 26, 2012		Soil	S12-JI22318			X		
CBH10_(3.9-4.0m)	Jul 26, 2012		Soil	S12-JI22319			X		
DUP5	Jul 26, 2012		Soil	S12-JI22320	X				X
CBH10_ASS1_3.5m	Jul 26, 2012		Soil	S12-JI22321			X		
CBH10_ASS2_4.0m	Jul 26, 2012		Soil	S12-JI22322				X	
TS3LAB	Jul 19, 2012		Soil	S12-JI22323			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/L	< 0.02			0.02	Pass	
TRH C10-C14	mg/L	< 0.05			0.05	Pass	
TRH C15-C28	mg/L	< 0.1			0.1	Pass	
TRH C29-C36	mg/L	< 0.1			0.1	Pass	
Method Blank							
BTEX E029/E016 BTEX							
Benzene	mg/L	< 0.001			0.001	Pass	
Toluene	mg/L	< 0.001			0.001	Pass	
Ethylbenzene	mg/L	< 0.001			0.001	Pass	
Total m+p-Xylenes	mg/L	< 0.002			0.002	Pass	
o-Xylene	mg/L	< 0.001			0.001	Pass	
Xylenes(ortho.meta and para)	mg/L	< 0.003			0.003	Pass	
Total BTEX	mg/L	< 0.01			0.01	Pass	
Method Blank							
Total Recoverable Hydrocarbons - Draft 2010 NEPM Fractions * LM-LTM-ORG2010							
Naphthalene	mg/L	< 0.005			0.005	Pass	
TRH C6-C10	mg/L	< 0.02			0.02	Pass	
TRH C6-C10 less BTEX (F1)	mg/L	< 0.02			0.02	Pass	
TRH >C10-C16	mg/L	< 0.05			0.05	Pass	
TRH >C16-C34	mg/L	< 0.1			0.1	Pass	
TRH >C34-C40	mg/L	< 0.1			0.1	Pass	
Method Blank							
Polyaromatic Hydrocarbons (PAH) E007 Polyaromatic Hydrocarbons (PAH)							
Acenaphthene	mg/L	< 0.001			0.001	Pass	
Acenaphthylene	mg/L	< 0.001			0.001	Pass	
Anthracene	mg/L	< 0.001			0.001	Pass	
Benz(a)anthracene	mg/L	< 0.001			0.001	Pass	
Benzo(a)pyrene	mg/L	< 0.001			0.001	Pass	
Benzo(b)fluoranthene & Benzo(k)fluoranthene	mg/L	< 0.002			0.002	Pass	
Benzo(g,h,i)perylene	mg/L	< 0.001			0.001	Pass	
Chrysene	mg/L	< 0.001			0.001	Pass	
Dibenz(a,h)anthracene	mg/L	< 0.001			0.001	Pass	
Fluoranthene	mg/L	< 0.001			0.001	Pass	
Fluorene	mg/L	< 0.001			0.001	Pass	
Indeno(1,2,3-cd)pyrene	mg/L	< 0.001			0.001	Pass	
Naphthalene	mg/L	< 0.001			0.001	Pass	
Phenanthrene	mg/L	< 0.001			0.001	Pass	
Pyrene	mg/L	< 0.001			0.001	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions E004 Petroleum Hydrocarbons (TPH)							
TRH C6-C9	%	92			70-130	Pass	
TRH C10-C14	%	73			70-130	Pass	
LCS - % Recovery							
BTEX E029/E016 BTEX							
Benzene	%	93			70-130	Pass	
Toluene	%	99			70-130	Pass	
Ethylbenzene	%	100			70-130	Pass	
Total m+p-Xylenes	%	105			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
o-Xylene	%	98			70-130	Pass	
Xylenes(ortho.meta and para)	%	102			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - Draft 2010 NEPM Fractions * LM-LTM-ORG2010							
Naphthalene	%	103			70-130	Pass	
TRH C6-C10	%	93			70-130	Pass	
TRH >C10-C16	%	76			70-130	Pass	
LCS - % Recovery							
Polyaromatic Hydrocarbons (PAH) E007 Polyaromatic Hydrocarbons (PAH)							
Acenaphthene	%	106			70-130	Pass	
Acenaphthylene	%	107			70-130	Pass	
Anthracene	%	100			70-130	Pass	
Benz(a)anthracene	%	103			70-130	Pass	
Benzo(a)pyrene	%	118			70-130	Pass	
Benzo(b)fluoranthene & Benzo(k)fluoranthene	%	112			70-130	Pass	
Benzo(g,h,i)perylene	%	110			70-130	Pass	
Chrysene	%	106			70-130	Pass	
Dibenz(a,h)anthracene	%	114			70-130	Pass	
Fluoranthene	%	105			70-130	Pass	
Fluorene	%	106			70-130	Pass	
Indeno(1,2,3-cd)pyrene	%	114			70-130	Pass	
Naphthalene	%	108			70-130	Pass	
Phenanthrene	%	102			70-130	Pass	
Pyrene	%	100			70-130	Pass	

Comments

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

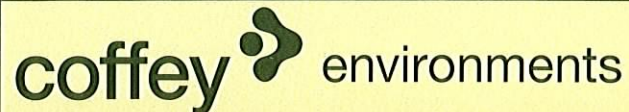
* Indicates NATA accreditation does not cover the performance of this service

Uncertainty data is available on request

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

92455



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	Hold (freeze)	NOTES
	CRH9 (0.5-0.6m)			26/7/12		Soil		standard							
	CRH9 (1.0-1.1m)														
	CRH9 (1.5-1.6m)														
	CRH9 (2.0-2.1m)														
	CRH9 (2.5-2.6m)														
	CRH9 (3.0-3.1m)														
	CRH9 (3.5-3.6m)														
	CRH9 (4.0-4.1m)														
	CRH9 (4.5-4.6m)														
	CRH9 (5.0-5.1m)														
	CRH9 (5.4-5.5m)														
	CRH9 ASS1 3.0m														
	CRH9 ASS2 3.5m														
	CRH9 ASS3 4.0m														
	CRH9 ASS4 4.5m														

RELINQUISHED BY:

Signature: [Signature] Date: 26/7/12

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

Signature: _____ Date: _____

Company: _____ Time: _____

RECEIVED BY:

Signature: [Signature] Date: 26/7/12

Company: MGT LabMark Time: 3:30

Signature: [Signature] Date: 26/7/12

Company: MGT LabMark Time: 16:15

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. 346021

* 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

92456



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: GEOTLCONV24303AD

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	Hold (Freeze)	NOTES
	CBH9_ASS5_5.0m			26/7/12		Soil		Standard							
	CBH9_ASS6_5.5m														
	TB3														
	TS3														
	RBI					Water									
	CBH10_0.0-0.6m					Soil									
	CBH10_0.6-1.1m														
	CBH10_1.1-1.6m														
	CBH10_1.6-2.1m														
	CBH10_2.1-2.6m														
	CBH10_2.6-3.1m														
	CBH10_3.1-3.6m														
	CBH10_3.6-4.0m														
	DJPS														
	DJPSA														

RELINQUISHED BY:

Signature: [Signature] Date: 26/7/12

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

Signature: _____ Date: _____

Company: _____ Time: _____

RECEIVED BY:

Signature: [Signature] Date: 26/7/12

Company: MGT Time: 3:30

Signature: [Signature] Date: 26/7/12

Company: MGT LabMark Time: 16:15

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.

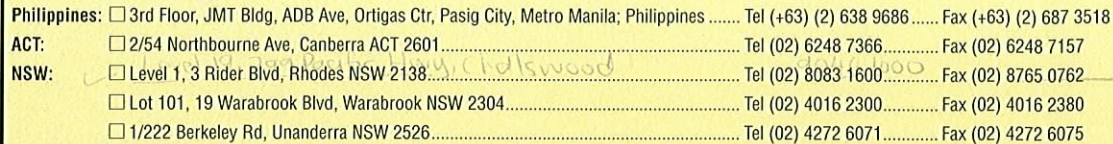
346021

* 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

17.5 4-15 26/7/12

92457



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

Analysis Request Section

[illegible][illegible]

RECEIVED BY:

Signature: <i>[Signature]</i>	Date: <i>26/7/12</i>
Company: <i>MGT Labmark</i>	Time: <i>3:30</i>
Signature: <i>[Signature]</i>	Date: <i>26/7/12</i>
Company: <i>MGT Labmark</i>	Time: <i>16:15</i>

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.

346021

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

92455



QLD: ☐ 47 Doggett St, Newstead QLD 4006 Tel (07) 3608 2500 Fax (07) 3852 2805
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☐ 1/222 Berkeley Rd, Unanderra NSW 2526 Tel (02) 4272 6071 Fax (02) 4272 6075

Project No: GENTLCON24303AD

Task No:

Project Name: SICEEP Darling Harbour

Laboratory: MGT LabMark

Samplers Name: Prigo Duss

Project Manager: Matthew Locke

Special Instructions:

NOTE: BTEX / TPH / PAH TO BE ANALYSED AS SITE 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	WATER	ASBESTOS	PH Field / PHOX	NOTES
	CBH9 (0.5-0.6m)			26/7/12		Soil		Standard	/	/	/	/	/	/	/	
	CBH9 (1.0-1.1m)								/	/	/	/	/	/	/	
	CBH9 (1.5-1.6m)								/	/	/	/	/	/	/	
	CBH9 (2.0-2.1m)								/	/	/	/	/	/	/	
	CBH9 (2.5-2.6m)								/	/	/	/	/	/	/	
	CBH9 (3.0-3.1m)								/	/	/	/	/	/	/	
	CBH9 (3.5-3.6m)								/	/	/	/	/	/	/	
	CBH9 (4.0-4.1m)								/	/	/	/	/	/	/	
	CBH9 (4.5-4.6m)								/	/	/	/	/	/	/	
	CBH9 (5.0-5.1m)								/	/	/	/	/	/	/	
	CBH9 (5.4-5.5m)								/	/	/	/	/	/	/	
	CBH9 ASS1 3.0m								/	/	/	/	/	/	/	
	CBH9 ASS2 3.5m								/	/	/	/	/	/	/	
	CBH9 ASS3 4.0m								/	/	/	/	/	/	/	
	CBH9 ASS4 4.5m								/	/	/	/	/	/	/	

RELINQUISHED BY:

RECEIVED BY:

Signature: [Signature] Date: 26/7/12
 Company: Coffey Environments Time: 16:08
 Signature: [Signature] Date: [Blank] Time: [Blank]
 Company: [Blank] Time: [Blank]

Signature: [Signature] Date: 26/7/12
 Company: MGT LabMark Time: 16:15
 Signature: [Signature] Date: 26/7/12 Time: 16:15
 Company: MGT LabMark Time: 16:15

Sample Receipt Advice: (Lab Use Only)

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Lab. Ref/Batch No.

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17.5 4-15 26/7/12

Received: 27/07/12 16:08 GMS JLM