Appendix 6.1

Sediment Quality Testing Results



Laboratories

CEDD Contract No. GE/2005/49 Chemical and Biological Testing (Term Contract)

Works Order No. GE/2005/49.31

Agreement No. CE 3/74 Development in Yuen Long District (Stage 1) Lau Fau Shan Development PWP Item No. 705CL Hang Hau Tsuen Channel at Lau Fau Shan

Chemical Testing of Sediment

Final Report

CLIENT:

Geotechnical Projects Division

Geotechnical Engineering Office Civil Engineering and Development Department 23/F, 410 Kwun Tong Road Kwun Tong Kowloon Telephone: (852) 2716 8609 Facsimile: (852) 2715 7572 E-mail: <u>raymondslng@cedd.gov.hk</u>

PREPARED BY:

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CERTIFIED BY:

Maureen Chia Chi Chang PAAC

DATE:

7 March 2008



Chemical Analysis



Metals

Report No.	: 105201N
Project Name	: Chemical and Biological Testing of Sediment (Term Contract)
	Agreement No. CE 3/74 Development in Yuen Long District (Stage 1)
	Lau Fau Shan Development PWP item No. 750CL-
	Hang Hau Tsuen Channel at Lau Fau Shan
Customer	: Geotechnical Projects Division, Geotechnical Engineering office,
	Civil Engineering and Development Department
Address	: 23/FI., 410 Kwun Tong Road, Kwun Tong, Kowloon
Lab Job No.	: J546
Lab Sample No.	: 20503,20517,20528,20539
Sample Description	: 9 samples said to be sediment
Sample Receipt Date	: 24 January 2008 - 1 February 2008
Test Period	: 25 January 2008 - 15 February 2008

Test Information

Code	Test Parameter	Reporting Limits Sediment/Soil mg/kg	Test Procedure
Cd	Cadmium	0.20	S/M/DIG-RAR & M/ICP-MS
Cr	Chromium	8.0	S/M/DIG-RAR & M/ICP-MS
Cu	Copper	7.0	S/M/DIG-RAR & M/ICP-MS
Ni	Nickel	4.0	S/M/DIG-RAR & M/ICP-MS
Pb	Lead	8.0	S/M/DIG-RAR & M/ICP-MS
Zn	Zinc	20	S/M/DIG-RAR & M/ICP-MS
Hg	Mercury	0.05	S/M/DIG-RAR & M/ICP-MS
As	Arsenic	1.0	S/M/DIG-RAR & M/ICP-MS
Ag	Silver	0.10	S/M/DIG-RAR & M/ICP-MS

Notes :

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 Results related to samples as received.

3. Results are based on dry sample weight.

- 4. < = less than
- 5. N/A = Not applicable
- 6. Test results satisfy all in-house QA/QC protocols as attached.

7. Test description (for in-house methods) as follows:

S/M/DIG-RAR: Acid digestion.

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M/ICP-MS: ICP-MS Quantification.

Authorized Signatory

Wong Yau Tim (Operations Manager)

Issue Date:

5 Mar, 2008

Lam Laboratories Limited

Report No.	:	105201N
Project Name	:	Chemical and Biological Testing of Sediment (Term Contract) Agreement No. CE 3/74 Development in Yuen Long District (Stage 1)
		Lau Fau Shan Development PWP item No. 750CL-
		Hang Hau Tsuen Channel at Lau Fau Shan
Customer	:	Geotechnical Projects Division, Geotechnical Engineering office,
		Civil Engineering and Development Department
Lab Job No.	:	J546
Lab Sample No.	:	20503,20517,20528,20539

Test Result

Customer Ref.			Sample	;		Cd	Cr	Cu	Ni	Pb	Zn	Hg	As	Ag
Drillhole No.	Ľ)epth, m)	Туре	Specimen									
	No.	From	То		Depth, m	mg/kg								
SD3	NA	0.00	0.45		NA	<0.20	12	8.7	7.7	24	59	<0.05	7.1	<0.10
SD3	NA	4.50	4.95		NA	<0.20	<8.0	<7.0	<4.0	<8.0	185	<0.05	<1.0	<0.10
SD3	NA	6.00	6.45		NA	<0.20	<8.0	<7.0	<4.0	43	200	<0.05	4.6	<0.10
SD2	NA	0.00	0.45		NA	<0.20	14	12	9.8	29	76	0.05	12	<0.10
SD2	NA	2.50	2.95		NA	0.79	<8.0	<7.0	<4.0	42	280	<0.05	<1.0	<0.10
SD2	NA	4.00	4.45		NA	<0.20	<8.0	<7.0	<4.0	51	460	<0.05	<1.0	<0.10
SD2	NA	6.00	7.00		NA	<0.20	<8.0	15	<4.0	390	15	<0.05	<1.0	<0.10
SD1	NA	0.00	0.45		NA	0.26	8.9	58	8.0	120	180	<0.05	7.0	<0.10
Ref. Sediment	NA	NA	NA		NA	<0.20	22	11	16	33	61	<0.05	6.0	<0.10

-----End of Report----

Report No. Project Name	 105201N Chemical and Biological Testing of Sediment (Term Contract) Agreement No. CE 3/74 Development in Yuen Long District (Stage 1) Lau Fau Shan Development PWP item No. 750CL- Hang Hau Tsuen Channel at Lau Fau Shan
Customer	: Geotechnical Projects Division, Geotechnical Engineering office, Civil Engineering and Development Department
Lab Job No. Lab Sample No.	: J546 : 20503,20517,20528,20539

QC Results

1.1 Sample Duplicate (Relative deviation)

Customer Ref.			Sample	е			Cd	Cr	Cu	Ni	Pb	Zn	Hg	As	Ag
Drillhole No.	[Depth, m		Туре	Specimen	Batch									
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%
Ref. Sediment	NA	NA	NA		NA	1	na*	4.0	5.7	2.8	1.9	2.7	na*	4.1	na*
	C	ontrol Li	mits	I	I	l		L	1+	-/- 30 9	1 % of th	l ne mea	in	l	I

1.2 Method Spike (Standard Addition)

Customer Ref.			Sampl	e			Cd	Cr	Cu	Ni	Pb	Zn	Hg	As	Ag
Drillhole No.	0	Depth, m		Туре	Specimen	Batch							1		
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%
Ref. Sediment	NA	NA	NA		NA	1	99	94	90	91	109	97	101	103	91
		<u> </u>		ļ											
	Control Limits									75	5 - 125	%			

Note: 1. *na = Relative deviation(RD) for duplicates cannot be evaluated as the value determined is lower than reporting limits.

2. Results are based on dry sample weight

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3. < = less than

Authorized Signatory

Wong Yau Tim (Operations Manager)

Issue Date:

5 Mar, 2008

Lam Laboratories Limited

Report No.	: 105201N
Project Name	: Chemical and Biological Testing of Sediment (Term Contract)
-	Agreement No. CE 3/74 Development in Yuen Long District (Stage 1)
	Lau Fau Shan Development PWP item No. 750CL-
	Hang Hau Tsuen Channel at Lau Fau Shan
Customer	: Geotechnical Projects Division, Geotechnical Engineering office,
	Civil Engineering and Development Department
Lab Job No.	: J546
Lab Sample No.	: 20503,20517,20528,20539

QC Results

1.3 Sample Reference Material (ISE 2004.2.1)

Reference		S	Sample	Э			Cd	Cr	Cu	Ni	Pb	Zn	As	Hg	Ag
	De	epth, m		Туре	Specimen	Batch									
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%
ISE 020401	N/A	N/A	N/A		N/A	1	104	98	93	91	94	91	84	89	77
							L								L
		Cont	rol Lim	its					75 -	125%	of no	minal	value		

1.4 Method Blank

Reference		S	Sample	e			Cd	Cr	Cu	Ni	Pb	Zn	As	Hg	Ag
	De	epth, m		Туре	Specimen	Batch									
	No.	From	То]	Depth m						mg/kg				
N/A	N/A	N/A	N/A		N/A	1	<0.20	<8.0	<7.0	<4.0	<8.0	<20	<0.05	<1.0	<0.10
-															
															<u> </u>
		Cont	rol Lim	nits					Le	ss tha	n repo	rting li	mit		

Note: 1. Results are based on dry sample weight

2. < = less than



PAHs

Report No.	: 105199N
Project Name	: Chemical and Biological Testing of Sediment (Term Contract)
-	Agreement No. CE 3/74 Development in Yuen Long District (Stage 1)
	Lau Fau Shan Development PWP item No. 750CL-
	Hang Hau Tsuen Channel at Lau Fau Shan
Customer	: Geotechnical Projects Division, Geotechnical Engineering office,
	Civil Engineering and Development Department
Address	: 23/FI., 410 Kwun Tong Road, Kwun Tong, Kowloon
Lab Job No.	: J546
Lab Sample No.	: 20503,20517,20528,20539
Sample Description	: 8 samples said to be sediment
Sample Receipt Date	: 24 January 2008 - 1 February 2008
Test Period	: 25 January 2008 - 9 February 2008

Test Information

1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs

CODE	Test Parameter	Reporting Limit ug/kg	Test Procedure
NAP	Naphthalene	55	S/O/PAH
ANY	Acenaphthylene	55	S/O/PAH
ANA	Acenaphthene	55	S/O/PAH
FLU	Fluorene	55	S/O/PAH
PHE	Phenanthrene	55	S/O/PAH
ANT	Anthracene	55	S/O/PAH
LMW PAH	Total LMW PAH	55	S/O/PAH

2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs

CODE	Test Parameter	Reporting Limit	Test Procedure
		ug/kg	
CHR	Chrysene	170	S/O/PAH
BaA	Benzo(a)anthracene	170	S/O/PAH
BbF	Benzo(b)fluoranthene	170	S/O/PAH
BkF	Benzo(k)fluoranthene	170	S/O/PAH
BaP	Benzo(a)pyrene	170	S/O/PAH
DBA	Dibenz(ah)anthracene	170	S/O/PAH
FLT	Fluoranthene	170	S/O/PAH
IPY	Indeno(1,2,3-cd)pyrene	170	S/O/PAH
PYR	Pvrene	170	S/O/PAH
BPE	Benzo(ghi)perylene	170	S/O/PAH
HMW PAH	Total HMW PAH	170	S/O/PAH

Notes :

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2. Results relate to samples as received.

3. Results are based on dry sample weight.

4. < = less than

5. N/A = Not applicable

6. Test results satisfy all in-house QA/QC protocols as attached.

7. Test description (for in-house methods only) as follows:

- S/O/PAH:Ultra-Sonic extraction and GC-MS Quantification.
- 8. Total LMW PAH equals to the sum of NAP, ANY, ANA, FLU, PHE, ANT.
- 9. Total HMW PAH equals to the sum of CHR,BaA,BbF,BkF,BaP,DBA,FLT,IPY,PYR,BPE.

Authorized Signatory

Wong Yau Tim (Operations Manager)

Issue Date:

5 Mar, 2008

Report No. Project Name	 105199N Chemical and Biological Testing of Sediment (Term Contract) Agreement No. CE 3/74 Development in Yuen Long District (Stage 1) Lau Fau Shan Development PWP item No. 750CL-
Customer	 Hang Hau Tsuen Channel at Lau Fau Shan Geotechnical Projects Division, Geotechnical Engineering office, Civil Engineering and Development Department
Lab Job No. Lab Sample No.	: J546 : 20503,20517,20528,20539

Test Results

1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs

Customer Ref.	Τ		Sam	ole		NAP	ANY	ANA	FLU	PHE	ANT	LMW
Drillhole No.	Depth, m			Туре	Specimen							PAH
	No.	From	То		Depth m	ug/kg						
SD3	NA	0.00	0.45		NA	<55	<55	<55	<55	<55	<55	<55
SD3	NA	4.50	4.95		NA	<55	<55	<55	<55	<55	<55	<55
SD3	NA	6.00	6.45		NA	<55	<55	<55	<55	<55	<55	<55
SD2	NA	0.00	0.45		NA	<55	<55	<55	<55	<55	<55	<55
SD2	NA	2.50	2.95		NA	<55	<55	<55	<55	<55	<55	<55
SD2	NA	4.00	4.45		NA	<55	<55	<55	<55	<55	<55	<55
SD1	NA	0.00	0.45		NA	<55	<55	<55	<55	<55	<55	<55
Ref. Sediment	NA	NA	NA		NA	<55	<55	<55	<55	<55	<55	<55

Report No. Project Name		105199N Chemical and Biological Testing of Sediment (Term Contract) Agreement No. CE 3/74 Development in Yuen Long District (Stage 1) Lau Fau Shan Development PWP item No. 750CL- Hang Hau Tsuen Channel at Lau Fau Shan
Customer	:	Geotechnical Projects Division, Geotechnical Engineering office, Civil Engineering and Development Department
Lab Job No. Lab Sample No.	:	J546 20503,20517,20528,20539

Test Results

2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs

Customer Ref.			Samp	le		CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE	HMW
Drillhole No.		Depth, I	m	Туре	Specimen											PAH
	No.	From	То		Depth m	ug/kg										
SD3	NA	0.00	0.45		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SD3	NA	4.50	4.95		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SD3	NA	6.00	6.45		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SD2	NA	0.00	0.45		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SD2	NA	2.50	2.95		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SD2	NA	4.00	4.45		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SD1	NA	0.00	0.45		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
Ref. Sediment	NA	NA	NA		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170

-----End of Report-----

Report No. Project Name	 105199N Chemical and Biological Testing of Sediment (Term Contract) Agreement No. CE 3/74 Development in Yuen Long District (Stage 1)
Customer	Lau Fau Shan Development PWP item No. 750CL- Hang Hau Tsuen Channel at Lau Fau Shan : Geotechnical Projects Division, Geotechnical Engineering office,
	Civil Engineering and Development Department
Lab Job No.	: J546
Lab Sample No.	: 20503,20517,20528,20539

QC Results

1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs

1.1 Sample Duplicate

Customer Ref.			Sam	ole			NAP	ANY	ANA	FLU	PHE	ANT
Drillhole No.	D	Depth, m			Specimen	Batch						
	No.	From	То		Depth m		%	%	%	%	%	%
Ref. Sediment	NA	NA	NA		NA	1	na*	na*	na*	na*	na*	na*
									l			l
	C	Control I	Limits				1	+/-	<u>30 % o</u>	f the m	ean	

1.2 Sample Spike (Spike Level = 5 ug)

Customer Ref.			Samp	ole			NAP	ANY	ANA	FLU	PHE	ANT
Drillhole No.	E	epth, n	n	Туре	Specimen	Batch						
	No.	From	То		Depth m		%	%	%	%	%	%
Ref. Sediment	N/A	NA	NA		N/A	1	94	85	86	87	89	81
	L	Control	Limits	1	L			L	70 - 1	130 %	1	1

Notes :

1. na* = Relative deviation (RD) for duplicates cannot be evaluated as the value determined is lower than reporting limit.

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Authorized Signatory

Wong/Yau Tim (Opérations Manager)

Issue Date: : 5 Mar, 2008

Report No. Project Name	 105199N Chemical and Biological Testing of Sediment (Term Contract) Agreement No. CE 3/74 Development in Yuen Long District (Stage 1) Lau Fau Shan Development PWP item No. 750CL- Hang Hau Tsuen Channel at Lau Fau Shan
Customer	: Geotechnical Projects Division, Geotechnical Engineering office, Civil Engineering and Development Department
Lab Job No. Lab Sample No.	: J546 : 20503,20517,20528,20539

QC Results

2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs

2.1 Sample Duplicate

Customer Ref.			Sam	ple			CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE
Drillhole No.	D	epth, m	ו	Туре	Specimen	Batch										
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%	%
Ref. Sediment	NA	NA	NA		NA	1	na*	na*	na*	na*	na*	na*	na*	na*	na*	na*
1																
	C	Control I	_imits	<u> </u>	L				I	I +/- 30) % of	the n	i nean	1		

2.2 Sample Spike (Spike Level = 5 ug)

Customer Ref.			Sam	ole			CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE
Drillhole No.	D	epth, n	ו	Type	Specimen	Batch										
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%	%
Ref. Sediment	N/A	NA	NA		N/A	1	91	85	96	84	97	91	112	105	119	115
		Control I	Limits	I				<u> </u>	I		 70 - 1	1 30 %	1	I	I	

Notes :

1. na* = Relative deviation (RD) for duplicates cannot be evaluated as the value determined is lower than reporting limit.

Report No. Project Name	 105199N Chemical and Biological Testing of Sediment (Term Contract) Agreement No. CE 3/74 Development in Yuen Long District (Stage 1) Lau Fau Shan Development PWP item No. 750CL- Hang Hau Tsuen Channel at Lau Fau Shan
Customer	: Geotechnical Projects Division, Geotechnical Engineering office, Civil Engineering and Development Department
Lab Job No. Lab Sample No.	: J546 : 20503,20517,20528,20539

QC Results

1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs

1.3 QC Sample (SETOC 2002.4.4)

Customer Ref.			Sam	ple			NAP	ANY	ANA	FLU	PHE	ANT
Drillhole No.	I	Depth, m		Туре	Specimen	Batch						
	No.	From	То		Depth m		%	%	%	%	%	%
SETOC 2002.4.4	N/A	N/A	N/A		N/A	1	95	101	93	90	102	86
	I(I Control	Limits	L	1			70 - 1	30 % of	nomina	l value	

1.4 Method Blank

Customer Ref.			Sarr	ple			NAP	ANY	ANA	FLU	PHE	ANT
Drillhole No.] [Depth,	m	Туре	Specimen	Batch						
	No.	From	То		Depth m		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
N/A	N/A	N/A	N/A		N/A	1	<55	<55	<55	<55	<55	<55
											limit	I
	(Control	Limits				<u> </u>	Les	s than re	sporting	mmt	

Report No. Project Name	 105199N Chemical and Biological Testing of Sediment (Term Contract) Agreement No. CE 3/74 Development in Yuen Long District (Stage 1) Lau Fau Shan Development PWP item No. 750CL-
Customer	Hang Hau Tsuen Channel at Lau Fau Shan : Geotechnical Projects Division, Geotechnical Engineering office, Civil Engineering and Development Department
Lab Job No. Lab Sample No.	: J546 : 20503,20517,20528,20539

QC Results

2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs

2.3 QC Sample (SETOC 2002.4.4)

Customer Ref.			Sam	ole			CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE
Drillhole No.	C	Depth, r	n	Туре	Specimen	Batch										
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%	%
SETOC 2002.4.4	N/A	N/A	N/A		N/A	1	85	90	83	90	92	105	103	109	95	92
								ļ								
											ļ					
	С	ontrol L	_imits		<u></u>	L			70	- 130	% of r	iomina	ıl valu	е		

2.4 Method Blank

Customer Ref.	T		Sam	ple			CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE
Drillhole No.		Depth, r	m	Туре	Specimen	Batch										
	No.	From	То		Depth m		ug/kg			ug/kg						
N/A	N/A	N/A	N/A		N/A	1	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
								ļ								
	Ċ	ontrol l	imits						L	ess th	nan re	porting	g limit			



PCBs

Report No.	: 105200N
Project Name	: Chemical and Biological Testing of Sediment (Term Contract)
2	Agreement No. CE 3/74 Development in Yuen Long District (Stage 1)
	Lau Fau Shan Development PWP item No. 750CL-
	Hang Hau Tsuen Channel at Lau Fau Shan
Customer	: Geotechnical Projects Division, Geotechnical Engineering office,
	Civil Engineering and Development Department
Address	:23/FI., 410 Kwun Tong Road, Kwun Tong, Kowloon
Lab Job No.	: J546
Lab Sample No.	: 20503,20517,20528,20539
Sample Description	: 8 samples said to be sediment
Sample Receipt Date	:24 January 2008 - 1 February 2008
Test Period	: 25 January 2008 - 9 February 2008

Test Information

CODE	Test Parameter	Reporting Limit	Test Procedure
		ug/kg	
8	2.4' dichlorobiphenyl	3.0	S/O/PCB
18	2,2',5 trichlorobiphenyl	3.0	S/O/PCB
28	2,4,4' trichlorobiphenyl	3.0	S/O/PCB
44	2,2',3,5' tetrachlorobiphenyl	3.0	S/O/PCB
52	2,2',5,5' tetrachlorobiphenyl	3.0	S/O/PCB
66	2,3',4,4' tetrachlorobiphenyl	3.0	S/O/PCB
77	3,3',4,4' tetrachlorobiphenyl	3.0	S/O/PCB
101	2,2',4,5,5' pentachlorobiphenyl	3.0	S/O/PCB
105	2,3,3',4,4' pentachlorobiphenyl	3.0	S/O/PCB
118	2,3',4,4',5 pentachlorobiphenyl	3.0	S/O/PCB
126	3,3',4,4',5 pentachlorobiphenyl	3.0	S/O/PCB
128	2,2',3,3',4,4' hexachlorobiphenyl	3.0	S/O/PCB
138	2,2',3,4,4',5' hexachlorobiphenyl	3.0	S/O/PCB
153	2,2',4,4',5,5' hexachlorobiphenyl	3.0	S/O/PCB
169	3,3',4,4',5,5' hexachlorobiphenyl	3.0	S/O/PCB
170	2,2',3,3',4,4',5 heptachlorobiphenyl	3.0	S/O/PCB
180	2,2',3,4,4',5,5' heptachlorobiphenyl	3.0	S/O/PCB
187	2,2',3,4',5,5',6 heptachlorobiphenyl	3.0	S/O/PCB
Total PCB	Total PCB	3.0	S/O/PCB

Notes :

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- 2. Results relate to samples as received.
- 3. Results are based on dry sample weight.
- 4. < = less than
- 5. N/A = Not applicable

:

- 6. Test results satisfy all in-house QA/QC protocols as attached.
- 7. Test description (for in-house methods only) as follows:
- S/O/PCB:Ultra-Sonic extraction and GC-MS Quantification.
- 8. Total PCB equals to the sum of individual reported PCBs.

Authorized Signatory

Wong/Yau Tim (Operations Manager)

Issue Date: 5 Mar, 2008

Report No. Project Name	 105200N Chemical and Biological Testing of Sediment (Term Contract) Agreement No. CE 3/74 Development in Yuen Long District (Stage 1) Lau Fau Shan Development PWP item No. 750CL- Hang Hau Tsuen Channel at Lau Fau Shan
Customer	: Geotechnical Projects Division, Geotechnical Engineering office, Civil Engineering and Development Department
Lab Job No. Lab Sample No.	: J546 : 20503,20517,20528,20539

Test Results

		•												
Customer Ref.			Samp	ole		8	18	28	44	52	66	77	101	105
Drillhole No.	[Depth, r	n	Туре										
	No.	From	То		Depth m	ug/kg								
SD3	NA	0.00	0.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD3	NA	4.50	4.95		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD3	NA	6.00	6.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD2	NA	0.00	0.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD2	NA	2.50	2.95		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD2	NA	4.00	4.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD1	NA	0.00	0.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Ref. Sediment	NA	NA	NA		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

Report No. Project Name		105200N Chemical and Biological Testing of Sediment (Term Contract) Agreement No. CE 3/74 Development in Yuen Long District (Stage 1) Lau Fau Shan Development PWP item No. 750CL- Hang Hau Tsuen Channel at Lau Fau Shan
Customer	:	Geotechnical Projects Division, Geotechnical Engineering office, Civil Engineering and Development Department
Lab Job No. Lab Sample No.	:	J546 20503,20517,20528,20539

Test Results

Customer Ref.			Samp	le		118	126	128	138	153	169	170	180	187	Total
Drillhole No.	0	Depth, n	n	Type	Specimen										PCB
	No.	From	То		Depth m	ug/kg									
SD3	NA	0.00	0.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD3	NA	4.50	4.95		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD3	NA	6.00	6.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD2	NA	0.00	0.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD2	NA	2.50	2.95		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD2	NA	4.00	4.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD1	NA	0.00	0.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	3.3	<3.0	3.3
Ref. Sediment	NA	NA	NA		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

-----End of Report-----

Report No. Project Name	 105200N Chemical and Biological Testing of Sediment (Term Contract) Agreement No. CE 3/74 Development in Yuen Long District (Stage 1) Lau Fau Shan Development PWP item No. 750CL- Hang Hau Tsuen Channel at Lau Fau Shan
Customer	: Geotechnical Projects Division, Geotechnical Engineering office, Civil Engineering and Development Department
Lab Job No. Lab Sample No.	: J546 : 20503,20517,20528,20539

QC Results

1.1 Sample Duplicate

Customer Ref.			Sam	ple			8	18	28	44	52	66	77	101	105
Drillhole No.	Ľ)epth, n	า	Type	Specimen	Batch									
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%
Ref. Sediment	NA	NA	NA		NA	1	na*	na*	na*	na*	na*	na*	na*	na*	na*
		ontrol L	imit					1	+/	- 30%	of the	e mea	l n	<u> </u>	l

1.2 Sample Spike (Spike Level = 1 ug)

Customer Ref.			Sam	ple			8	18	28	44	52	66	77	101	105
Drillhole No.	C)epth, n	า	Туре	Specimen	Batch									
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%
Ref. Sediment	NA	NA	NA		NA	1									
							114	99	87	86	101	106	81	106	86
				İ											
	Control Limit							I		70	-130 %	6			

Notes :

1. na* = Relative deviation (RD) for duplicates cannot be evaluated as the value determined is lower than reporting limit.

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Authorized Signatory

Wong Xau Tim (Operations Manager)

Issue Date: : 5 Mar, 2008

 Lam Laboratories Limited
 Unit 12, 14/F., Honour Industrial Centre, 6 Sun Yip Street, Chai Wan, Hong Kong.

 Tel: (852) 2897 3282
 Fax: (852) 2897 5509
 e-mail: info@lamlab.com

Report No. Project Name	 105200N Chemical and Biological Testing of Sediment (Term Contract) Agreement No. CE 3/74 Development in Yuen Long District (Stage 1) Lau Fau Shan Development PWP item No. 750CL- Hang Hau Tsuen Channel at Lau Fau Shan
Customer	 Geotechnical Projects Division, Geotechnical Engineering office, Civil Engineering and Development Department
Lab Job No. Lab Sample No.	: J546 : 20503,20517,20528,20539

QC Results

1.3 Sample Duplicate

Customer Ref.			Sam	ple			118	126	128	138	153	169	170	180	187
Drillhole No.	Ľ)epth, r	n	Туре	Specimen	Batch									
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%
Ref. Sediment	NA	NA	NA		NA	1	na*	na*	na*	na*	na*	na*	na*	na*	na*
	Co	ntrol Li	mit				I		+/-	30%	ot the	mea	n		

1.4 Sample Spike (Spike Level = 1 ug)

Customer Ref.	1		Sam	ple			118	126	128	138	153	169	170	180	187
Drillhole No.	D	epth, r	n	Туре	Specimen	Batch									
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%
Ref. Sediment	NA	NA	NA		NA	1	84	108	84	110	94	101	90	104	96
	Co	ntrol Li	mit	<u> </u>				L	<u> </u>	70-	 130 %	6 6	I	I	

Notes :

1.

na* = Relative deviation (RD) for duplicates cannot be evaluated as the value determined is lower than reporting limit.

Report No.	:	105200N
Project Name	:	Chemical and Biological Testing of Sediment (Term Contract)
		Agreement No. CE 3/74 Development in Yuen Long District (Stage 1)
		Lau Fau Shan Development PWP item No. 750CL-
		Hang Hau Tsuen Channel at Lau Fau Shan
Customer	:	Geotechnical Projects Division, Geotechnical Engineering office,
		Civil Engineering and Development Department
Lab Job No.	:	J546
Lab Sample No.	:	20503,20517,20528,20539

QC Results

2.1 QC Sample (SETOC 2002.3.3)

Customer Ref.		28	52	101	105	118	128	138	153	180
Drillhole No.	Batch									
		%	%	%	%	%	%	%	%	%
SETOC 2002.3.3	1	102	82	98	92	82	107	96	90	85
Control Lim	Iit		I	1 70 - 13	I 30% о	l f nomi	nal valı	L	I	I

2.2 Method Blank

Customer Ref.			Samp	ole			8	18	28	44	52	66	77	101	105
Drillhole No.	D	epth, r	n	Туре	Specimen	Batch									
	No.	From	То]	Depth m		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
N/A	N/A	N/A	N/A		N/A	1	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	L C	ontrol	Limit	I	II			I	les	Ls than	repor	L ting lir	nit	l	

Customer Ref.			Samp	ole			118	126	128	138	153	169	170	180	187
Drillhole No.	D	epth, i	n	Туре	Specimen	Batch									
	No.	From	То		Depth m		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
N/A	N/A	N/A	N/A		N/A	1	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
											····			[
	C] control	L Limit	<u>.</u>]			<u> </u>	l	Ls than	repor	L ting lir	l nit	I	



TBT

Report No.	: 105203N
Project Name	: Chemical and Biological Testing of Sediment (Term Contract)
-	Agreement No. CE 3/74 Development in Yuen Long District (Stage 1)
	Lau Fau Shan Development PWP item No. 750CL-
	Hang Hau Tsuen Channel at Lau Fau Shan
Customer	: Geotechnical Projects Division, Geotechnical Engineering office,
	Civil Engineering and Development Department
Address	: 23/Fl., 410 Kwun Tong Road, Kwun Tong, Kowloon
Lab Job No.	: J546
Lab Sample No.	: 20503,20517,20528,20539
Sample Description	: 4 liquid samples said to be water
Sample Receipt Date	: 24 January 2008 - 1 February 2008
Test Period	: 25 January 2008 - 9 February 2008

Test Information

CODE	Test Parameter	Reporting Limit ug TBT / L	Test Procedure
TBT	Tri-Butyl Tin	0.015	W/O/TBT

Notes :

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3. N/A = Not applicable

Test results satisfy all in-house QA/QC protocols as attached.
 Test description (for in-house methods) as follows:

W/O/TBT: Solvent extraction and GC-MS Quantification.

Authorized Signator :

Wong Yau Tim/ (Operations Manager)

Issue Date:

5 Mar, 2008

Report No. Project Name	 105203N Chemical and Biological Testing of Sediment (Term Contract) Agreement No. CE 3/74 Development in Yuen Long District (Stage 1) Lau Fau Shan Development PWP item No. 750CL- Hang Hau Tsuen Channel at Lau Fau Shan
Customer	: Geotechnical Projects Division, Geotechnical Engineering office, Civil Engineering and Development Department
Lab Job No.	: J546
Lab Sample No.	: 20503,20517,20528,20539
Test Results	

TBT Sample Customer Ref. Specimen Depth, m Drillhole No. Туре ug TBT / L Depth m No. From То 0.45 NA 0.00 N/A <0.015 SD1 0.00 N/A <0.015 SD2 NA 0.45 0.45 SD3 NA 0.00 N/A <0.015 <0.015 Ref. Sediment NA NA NA N/A

-----End of report-----

Report No.	:	105203N
Project Name	:	Chemical and Biological Testing of Sediment (Term Contract) Agreement No. CE 3/74 Development in Yuen Long District (Stage 1) Lau Fau Shan Development PWP item No. 750CL- Hang Hau Tsuen Channel at Lau Fau Shan
Customer	:	Geotechnical Projects Division, Geotechnical Engineering office, Civil Engineering and Development Department
Lab Job No.	:	J546
Lab Sample No.	:	20503,20517,20528,20539
Test Results		

1.1 Sample Duplicate (Relative deviation)

Customer Ref.	Sample						TBT
Drillhole No.	C)epth, r	n	Туре	Specimen	Batch	
	No.	From	То		Depth m		%
MB Spike	N/A	N/A	N/A		N/A	1	19
	Contro	l Limit		•			+/- 30% of the mean

1.2 Sample Spike (Spike Level = 50 ng)

Customer Ref.			Sam	ple			TBT
Drillhole No.	Ľ)epth, r	n	Туре	Specimen	Batch	
	No.	From	То		Depth m		%
MB Spike	N/A	N/A	N/A		N/A	1	119
	Contro	I Limit		I		l	70-130 %

Notes :

na* = Relative deviation (RD) for duplicates cannot be evaluated as the value determined is lower than reporting limit.

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Authorized Signatory

1.

Worlg Yau Tim (Operations Manager)

Issue Date:

5 Mar, 2008

Unit 12, 14/F., Honour Industrial Centre, 6 Sun Yip Street, Chai Wan, Hong Kong. Tel: (852) 2897 3282 Fax: (852) 2897 5509 e-mail: <u>info@lamlab.com</u>

Report No. Project Name	 105203N Chemical and Biological Testing of Sediment (Term Contract) Agreement No. CE 3/74 Development in Yuen Long District (Stage 1) Lau Fau Shan Development PWP item No. 750CL-
Customer	Hang Hau Tsuen Channel at Lau Fau Shan : Geotechnical Projects Division, Geotechnical Engineering office, Civil Engineering and Development Department
Lab Job No.	: J546
Lab Sample No.	: 20503,20517,20528,20539

Test Results

1.3 QC Sample (Spike level = 50 ng)

Customer Ref.			Sam	ple			TBT
Drillhole No.	Ľ)epth, r	n	Туре	Specimen	Batch	
	No.	From	То		Depth m		%
MB Spike	N/A N/A N/A				N/A	1	98
	Co	ntrol L	imit	I			+/- 30% of the mean

1.4 Method Blank

Customer Ref.			Sam	ole			TBT			
Drillhole No.	E	Depth, r	n	Туре	Specimen	Batch				
	No.	From	То		Depth m		ug TBT / L			
N/A	N/A	N/A N/A N/A			N/A	1	<0.015			
		ļ		ļ						
	Co	ontrol L	Control Limit							

Hang Hau Tsuen Channel at Lau Fau Shan

Chemical Testing of Sediment at SD 4, SD5 and SD6 (Page 1 of 3)

Lam Laboratories Limtied TEST REPORT

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Report No. Project Name	: Agreement No. CE 3/74 PWP Item No. 705 CL - Hang Hau Tsuen Channel at Lau Fan Shan
Customer	: Lam Geotechnics Limited

Address	: 11/F, Centre Point, 181 - 185 Gloucester Road, Wanchai, Hong Kong
Lab Job No.	: J677
Lab Sample No.	: 21575, 21576, 21579, 21580, 21584, 21599, 21608
Sample Description	: 21 samples said to be sediment
Sample Receipt Date	: 20 November 2008 - 27 November 2008
Test Period	: 26 November 2008 - 10 December 2008
Test Period	: 26 November 2008 - 10 December 2008

Test Information

Code	Test Parameter	Reporting Limits	Test Procedure
		Sediment/Soil	
		mg/kg	
Cd	Cadmium	0.20	S/M/DIG-RAR & M/ICP-MS
Cr	Chromium	8.0	S/M/DIG-RAR & M/ICP-MS
Cu	Copper	7.0	S/M/DIG-RAR & M/ICP-MS
Ni	Nickel	4.0	S/M/DIG-RAR & M/ICP-MS
Pb	Lead	8.0	S/M/DIG-RAR & M/ICP-MS
Zn	Zinc	20	S/M/DIG-RAR & M/ICP-MS
Hg	Mercury	0.05	S/M/DIG-RAR & M/ICP-MS
As	Arsenic	1.0	S/M/DIG-RAR & M/ICP-MS
Ag	Silver	0.10	S/M/DIG-RAR & M/ICP-MS

Notes :

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 Results related to samples as received.
 Results are based on dry sample weight.

- 4. < = less than
- 5. N/A = Not applicable
- 6. Test results satisfy all in-house QA/QC protocols as attached.
- 7. Test description (for in-house methods) as follows:

S/M/DIG-RAR: Acid digestion.

M/ICP-MS: ICP-MS Quantification.

Authorized Signatory

Wong Yau Tim (Operations Manager)

Issue Date:

10 December 2008

Lam Laboratories Limited

Unit 12, 14/F., Honour Industrial Centre, 6 Sun Yip Street, Chai Wan, Hong Kong. Fax: (852) 2897 5509 e-mail: info@lamlab.com Tel: (852) 2897 3282

Lam Laboratories Limtied

(Page 2 of 3)

2

Report No.: 108063NProject Name: Agreement No. CE 3/74 PWP Item No. 705 CL - Hang Hau Tsuen Channel at Lau Fan Shan

.

Customer	:	Lam Geotechnics Limited
Lab Job No.	:	J677
Lab Sample No.	:	21575, 21576, 21579, 21580, 21584, 21599, 21608

Test Result

Customer Ref.	Sample				Cd	Cr	Cu	Ni	Pb	Zn	Hg	As	Ag	
Drillhole No.	E)epth, m		Туре	Specimen									
	No.	From	То		Depth, m	mg/kg								
SD4	NA	0.00	0.45		NA	<0.20	26	20	16	46	120	0.19	13	<0.10
SD4	NA	0.50	0.95		NA	<0.20	8.4	<7.0	5.2	32	35	<0.05	5.3	<0.10
SD4	NA	1.00	1.45		NA	<0.20	<8.0	<7.0	5.0	29	210	<0.05	4.5	<0,10
SD4	NA	1.50	1.95		NA	0.44	<8.0	<7.0	<4.0	43	93	<0.05	2.1	<0.10
SD4	NA	2.00	2.45		NA	<0.20	<8.0	<7.0	<4.0	47	640	<0.05	<1.0	0.11
SD4	NA	2.50	2.95		NA	<0.20	<8.0	9.2	<4.0	57	75	<0.05	<1.0	0.12
SD5	NA	0.00	0.45		NA	0.29	10	93	5.1	32	2400	<0.05	5.3	<0.10
SD5	NA	0.50	0.95		NA	<0.20	<8.0	64	6.8	14	320	<0.05	1.6	1.3
SD5	NA	1.50	1.95		NA	<0.20	<8.0	<7.0	<4.0	<8.0	100	<0.05	<1.0	0.23
SD5	NA	2.50	2.95		NA	<0.20	<8.0	<7.0	<4.0	<8.0	140	<0.05	<1.0	<0.10
SD5	NA	3.50	3.95		NA	<0.20	<8.0	7.6	<4.0	<8.0	180	0.05	<1.0	0.24
SD5	NA	4.00	4.45		NA	<0.20	<8.0	<7.0	<4.0	28	140	<0.05	<1.0	0.13
SD6	NA	0.00	0.45		NA	0.27	22	36	14	58	160	0.21	7.2	0.10
SD6	NA	0.50	0.95		NA	0.39	<8.0	<7.0	<4.0	8.2	63	<0.05	3.1	<0.10
SD6	NA	1.00	1.45		NA	<0.20	<8.0	<7.0	<4.0	9.4	24	<0.05	<1.0	<0.10
SD6	NA	1.50	1.95		NA	<0.20	<8.0	<7.0	<4.0	<8.0	<20	<0.05	<1.0	<0.10
SD6	NA	2.00	2.45	1	NA	0.95	<8.0	<7.0	<4.0	8.9	79	<0.05	1.7	<0.10
SD6	NA	2.50	2.95		NA	<0.20	<8.0	<7.0	<4.0	20	99	<0.05	<1.0	<0.10
SD6	NA	3.00	3.45	1	NA	<0.20	<8.0	<7.0	<4.0	11	160	<0.05	<1.0	<0.10
SD6	NA	3.50	4.50		NA	<0.20	<8.0	<7.0	<4.0	27	74	<0.05	<1.0	0.26

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Lam Laboratories Limtied TEST_REPORT_ (Page 3 of 3)

Report No.: 108063NProject Name: Agreement No. CE 3/74 PWP Item No. 705 CL - Hang Hau Tsuen Channel at Lau Fan Shan

Customer	:	Lam Geotechnics Limited
Lab Job No.	:	J677
Lab Sample No.	:	21575, 21576, 21579, 21580, 21584, 21599, 21608

Test Result

											_			
Customer Ref.		Sample				Cd	Cr	Cu	Ni	Pb	Zn	Hg	As	Ag
Drillhole No.	E	Depth, m		Туре	Specimen									
4	No.	From	To		Depth, m	mg/kg								
Ref. Sediment	NA	NA	NA		NA	<0.20	25	12	19	35	67	<0.05	6.0	0.12

----End or Report-----

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Lam Laboratories Limited

(Page 1 of 2)

QUALITY CONTROL REPORT

Report No. : Project Name :	108063N Agreement No	. CE 3/74 PWP Item No. 705 C	L - Hang Hau Tsuen	Channel at Lau Fan Shan
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Customer	: Lam Geotechnics Limited
Lab Job No.	: J677 : 21575, 21576, 21579, 21580, 21584, 21599, 21608
Lab Sample No.	215/5, 215/6, 215/9, 21500, 21504, 21599, 21000

QC Results

1.1 Sample Duplicate (Relative deviation)

Customer Ref.	[Sampl	е			Cd	Cr	Си	Ni	Pb	Zn	Hg	As	Ag
Drillhole No.	1	Depth, m		Туре	Specimen	Batch									
	No.	From	То		Depth m		%	%	%	%	%	%.	%	%	%
SD5	NA	3.50	3.95		NA	1	*na	*na	8.1	*na	*na	2.9	1.5	*na	0.5
Ref. Sediment	NA	NA	NA		NA	2	*na	3.4	3.2	3.0	2.5	3.0	*na	3.9	6.9
· · · · · · · · · · · · · · · · · · ·															
	іс	l ontrol Li	mits	I	I	l		1	4	/- 30 9	% of th	e mea	in	·····	

1.2 Method Spike (Standard Addition)

Customer Ref.		Sample					Cd	Сг	Cu	Ni	РЬ	Zn	Hg	As	Ag
Drillhole No.	1	Depth, m		Туре	Specimen	Batch									
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%
SD5	NA	3.50	3.95		NA	1	101	88	88	92	103	110	105	101	85
Ref. Sediment	NA	NA	NA		NA	2	97	100	94	98	111	100	98	97	90
<u></u>															
	C	ontrol Li	mits		I	L		·		75	5 - 125	%			

Note: 1. *na = Relative deviation(RD) for duplicates cannot be evaluated as the value determined is lower than reporting limits. 2. Results are based on dry sample weight

3. < = less than

Authorized Signatory

/Worg Yau Tim/ (Operations Manager)

Issue Date: 10 Decem

10 December 2008

Lam Laboratories Limited

Unit 12, 14/F., Honour Industrial Centre, 6 Sun Yip Street, Chai Wan, Hong Kong. Tel: (852) 2897 3282 Fax: (852) 2897 5509 e-mail Info@lamlab.com (Page 2 of 2)

Lam Laboratories Limited

QUALITY CONTROL REPORT

Report No.	:	108063N
Project Name	:	Agreement No. CE 3/74 PWP Item No. 705 CL - Hang Hau Tsuen Channel at Lau Fan Shan

Lab Job No. : J677	Customer	m Geotechnics Limited		
Lab Sample No. : 21575, 21576, 21579, 21580, 21584, 21599, 21608			0, 21584, 21599, 21608	

QC Results

1.3 Sample Reference Material (ISE 2005.3.3)

Reference			Sample	э			Cd	Cr	Cu	Ni	Pb	Zn	Hg	As	Ag
	D	epth, m		Туре	Specimen	Batch									
	No.	From	To		Depth m		%	%	%	%	%	%	%	%	%
ISE 050303	N/A	N/A	N/A		N/A	1	102	107	101	102	99	101	103	97	98
ISE 050303	N/A	N/A	N/A		N/A	2	107	100	101	104	103	106	90	98	99
		Cont	rol Lim	its					75 -	125%	of no	minal v	value		

1.4 Method Blank

Reference		Ę	Sample	э			Cd	Cr	Cu	Ni	Pb	Zn	Hg	As	Ag
	De	epth, m		Туре	Specimen	Batch		L		L			L		[
	No.	From	То]	Depth m						mg/kg				
N/A	N/A	N/A	N/A		N/A	1	<0.20	<8.0	<7.0	<4.0	<8.0	<20	<0.05	<1.0	<0.10
N/A	N/A	N/A	N/A		N/A	2	<0.20	<8.0	<7.0	<4.0	<8.0	<20	<0.05	<1.0	<0.10
		Cont	rol Lim	l	<u> </u>			I	L	l ss tha	l n repo	rting li	I mit	L	l

Note: 1. Results are based on dry sample weight

2. < = less than

Report No. Project Name	: 108060N : Agreement No. CE 3/74 PWP Item No. 705 CL - Hang Hau Tsuen Channel at Lau Fan Shan
Customer	: Lam Geotechnics Limited
Address	: 11/F, Centre Point, 181 - 185 Gloucester Road, Wanchai, Hong Kong
Lab Job No.	: J677
Lab Sample No.	: 21575, 21576, 21579, 21580, 21584, 21599, 21608
Sample Description	: 19 samples said to be soil
Sample Receipt Date	: 20 November 2008 - 27 November 2008
Test Period	: 21 November 2008 - 05 December 2008

Test Information

CODE	Test Parameter	Reporting Limit	Test Procedure
		ug/L	
TBT	Tri-Butyl Tin	0.015	W/O/TBT

Notes: 1. This report shall not be reproduced, except in full, without prior approval from Lam Laboratories Ltd.

2. < = less than

3. N/A = Not applicable

Test results satisfy all in-house QA/QC protocols as attached.

5. Test description (for in-house methods) as follows:

W/O/TBT: Solvent extraction and GC-MS Quantification.

6. The elutriate samples were prepared according to contract agreed procedure.

Wong Yau Tim (Operations Manager)

Issue Date:

10 Dec. 2008

Lam Laboratories Limited

Authorized Signatory :

Unit 12, 14/F., Honour Industrial Centre, 6 Sun Yip Street, Chai Wan, Hong Kong. Tel: (852) 2897 3282 Fax: (852) 2897 5509 e-mail: <u>info@lamlab.com</u>

Report No. Project Name	 108060N Agreement No. CE 3/74 PWP Item No. 705 CL - Hang Hau Tsuen Channel at Lau Fan Shan
Customer	: Lam Geotechnics Limited
Address	:11/F, Centre Point, 181 - 185 Gloucester Road, Wanchai, Hong Kong
Lab Job No.	; J677
Lab Sample No.	:21575, 21576, 21579, 21580, 21584, 21599, 21608
Sample Description	: 19 samples said to be soil
Sample Receipt Date	: 20 November 2008 - 27 November 2008
Test Period	: 21 November 2008 - 05 December 2008

Test Information

CODE	Test Parameter	Reporting Limit	Test Procedure
		ug/L	
TBT	Tri-Butyl Tin	0.015	W/O/TBT

Notes: 1. This report shall not be reproduced, except in full, without prior approval from Lam Laboratories Ltd.

2. < = less than

3. N/A = Not applicable

4. Test results satisfy all in-house QA/QC protocols as attached.

5. Test description (for in-house methods) as follows:

W/O/TBT: Solvent extraction and GC-MS Quantification.

6. The elutriate samples were prepared according to contract agreed procedure.

7. This is draft report.

Wong Yau Tim (Operations Manager)

Issue Date:

10 Dec. 2008

Lam Laboratories Limited

Authorized Signatory :

Unit 12, 14/F., Honour Industrial Centre, 6 Sun Yip Street, Chai Wan, Hong Kong. Tel: (852) 2897 3282 Fax: (852) 2897 5509 e-mail: info@lamlab.com

Report No. Project Name	 108060N Agreement No. CE 3/74 PWP Item No. 705 CL - Hang Hau Tsuen Channel at Lau Fan Shan
Customer	: Lam Geotechnics Limited
Lab Job No.	: J677
Lab Sample No.	: 21575, 21576, 21579, 21580, 21584, 21599, 21608
Test Results	

Customer Ref.	[Sar	nple		TBT
Drillhole No.	D	epth, n		Туре	Specimen	
	No.	From	То		Depth m	ug TBT / L
SD 4	NA	0.00	0.45		N/A	<0.015
SD 4	NA	0.50	0.95		N/A	<0.015
SD 4	NA	1.00	1.45		N/A	<0.015
SD 4	NA	1.50	1.95		N/A	<0.015
SD 4	NA	2.00	2.45		N/A	<0.015
SD 4	NA	2.50	2.95		N/A	<0.015
SD 5	NA	0.00	0.45		N/A	<0.015
SD 5	ŇA	0.50	0.95		N/A	<0.015
SD 5	NA	1.50	1.95		N/A	<0.015
SD 5	NA	2.50	2.95		N/A	<0.015
SD 5	NA	3.50	3.95		N/A	<0.015
SD 5	NA	4.00	4.45		N/A	<0.015
SD 6	NA	0.00	0.45		N/A	<0.015
SD 6	NA	0.50	0.95		N/A	<0.015
SD 6	NA	1.00	1.45		N/A	<0.015
SD 6	NA	1.50	1.95		N/A	<0.015
SD 6	NA	2.00	2.45		N/A	<0.015
SD 6	NA	3.50	4.50		N/A	<0.015
Ref. Sample	N/A	N/A	N/A		N/A	<0.015

-----End of report-----

Report No. Project Name	:	108060N Agreement No. CE 3/74 PWP Item No. 705 CL - Hang Hau Tsuen Channel at Lau Fan Shan
Customer	:	Lam Geotechnics Limited
Lab Job No.	:	J677
Lab Sample No.	:	21575, 21576, 21579, 21580, 21584, 21599, 21608
QC Results		

1.1 Sample Duplicate (Relative deviation)

Customer Ref.	Sample						TBT
Drillhole No.	D	epth, r	n	Туре	Specimen	Batch	
	No.	From	То		Depth m		%
SD 6	NA	1.00	1.45		N/A	1	na*
					·		+/- 30% of the mean
	Control Limit						

1.2 Sample Spike (Spike Level = 50 ng)

:

Customer Ref.		Sample					TBT
Drillhole No.	D	epth, r	n	Туре	Specimen	Batch	
	No.	From	То		Depth m		%
SD 6	NA	1.00	1.45		N/A	1	78
							· ·
	<u> </u>						70 420 9/
	Control Limit						70-130 %

Notes :

 na* = Relative deviation (RD) for duplicates cannot be evaluated as the value determined is lower than reporting limit.

Authorized Signatory

Wong/Yau Tim (Operations Manager)

Issue Date:

10 Dec. 2008

Lam Laboratories Limited

Unit 12, 14/F., Honour Industrial Centre, 6 Sun Yip Street, Chai Wan, Hong Kong. Tel: (852) 2897 3282 Fax: (852) 2897 5509 e-mail: info@lamlab.com

Report No. Project Name	: 108060N : Agreement No. CE 3/74 PWP Item No. 705 CL - Hang Hau Tsuen Channel at Lau Fan Shan
Customer	: Lam Geotechnics Limited
Lab Job No. Lab Sample No.	: J677 : 21575, 21576, 21579, 21580, 21584, 21599, 21608
QC Results	. 21010, 21010, 21010, 21000, 21001, 21001, 21000

1.3 QC Sample (Spike level = 50 ng)

Customer Ref.			Sam	ple			ТВТ
Drillhole No.	Ľ)epth, r	n	Туре	Specimen	Batch	
	No.	From	То		Depth m		%
LCS	N/A	N/A	N/A		N/A	1	71
	1						
	<u> </u>			ļ			
	(L Control	Limit	J			70 - 130 %

1.4 Method Blank

Customer Ref.	1		Sam	ple			TBT
Drillhole No.	E)epth, r	n	Туре	Specimen	Batch	
	No.	From	То		Depth m		ug TBT / L
N/A	N/A	N/A	N/A		N/A	1	<0.015
	1						
				ļ			
		Control	Limit				Less than reporting limit

Notes:

LCS = Laboratory Control Sample

Report No.	: 108058N
Project Name	: Agreement No. CE 3/74 PWP Item No. 705 CL - Hang Hau Tsuen Channel at Lau Fan Shan
Customer	: Lam Geotechnics Limited
Address	:11/F, Centre Point, 181 - 185 Gloucester Road, Wanchai, Hong Kong
Lab Job No.	: J677
Lab Sample No.	:21575, 21576, 21579, 21580, 21584, 21599, 21608
Sample Description	:21 samples said to be soil
Sample Receipt Date	: 20 November 2008 - 27 November 2008
Test Period	: 21 November 2008 - 05 December 2008

Test Information

1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs

CODE	Test Parameter	Reporting Limit ug/kg	Test Procedure
NAP	Naphthalene	55	S/O/PAH
ANY	Acenaphthylene	55	S/O/PAH
ANA	Acenaphthene	55	S/O/PAH
FLU	Fluorene	55	S/O/PAH
PHE	Phenanthrene	55	S/O/PAH
ANT	Anthracene	55	S/O/PAH
LMW PAH	Total LMW PAH	55	S/O/PAH

2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs

CODE	Test Parameter	Reporting Limit ug/kg	Test Procedure
CHR	Chrysene	170	S/O/PAH
BaA	Benzo(a)anthracene	170	S/O/PAH
BbF	Benzo(b)fluoranthene	170	S/O/PAH
BkF	Benzo(k)fluoranthene	170	S/O/PAH
BaP	Benzo(a)pyrene	170	S/O/PAH
DBA	Dibenz(ah)anthracene	170	S/O/PAH
FLT	Fluoranthene	170	S/O/PAH
IPY	Indeno(1,2,3-cd)pyrene	170	S/O/PAH
PYR	Pyrene	170	S/O/PAH
BPE	Benzo(ghi)perylene	170	S/O/PAH
HMW PAH	Total HMW PAH	170	S/O/PAH

Notes :

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Issue Date:

10 Dec. 2008

- 2. Results relate to samples as received.
- 3. Results are based on dry sample weight.

4. < = less than

5. N/A = Not applicable

6. Test results satisfy all in-house QA/QC protocols as attached.

- 7. Test description (for in-house methods only) as follows:
- S/O/PAH:Ultra-Sonic extraction and GC-MS Quantification.
- 8. Total LMW PAH equals to the sum of NAP, ANY, ANA, FLU, PHE, ANT.
- 9. Total HMW PAH equals to the sum of CHR, BaA, BbF, BkF, BaP, DBA, FLT, IPY, PYR, BPE.

Authorized Signatory

Wong Yau Tim (Operations Manager)

Lam Laboratories Limited

Unit 12, 14/F., Honour Industrial Centre, 6 Sun Yip Street, Chai Wan, Hong Kong. Tel: (852) 2897 3282 Fax: (852) 2897 5509 e-mail: <u>info@lamlab.com</u>

Report No. Project Name	:	108058N Agreement No. CE 3/74 PWP Item No. 705 CL - Hang Hau Tsuen Channel at Lau Fan Shan
Customer	:	Lam Geotechnics Limited
Lab Job No. Lab Sample No.	:	J677 21575, 21576, 21579, 21580, 21584, 21599, 21608

Test Results

1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs

Customer Ref.			Samp	ole		NAP	ANY	ANA	FLU	PHE	ANT	LMW
Drillhole No.		Depth, I	n	Туре								PAH
	No.	From	То		Depth m	ug/kg						
SD 4	NA	0.00	0.45		NA	<55	<55	<55	<55	<55	<55	<55
SD 4	NA	0.50	0.95		NA	<55	<55	<55	<55	<55	<55	<55
SD 4	NA	1.00	1.45		NA	<55	<55	<55	<55	<55	<55	<55
SD 4	NA	1.50	1.95		NA	<55	<55	<55	<55	<55	<55	<55
SD 4	NA	2.00	2.45		NA	<55	<55	<55	<55	<55	<55	<55
SD 4	NA	2.50	2.95		NA	<55	<55	<55	<55	<55	<55	<55
SD 5	NA	0.00	0.45		NA	<55	<55	<55	<55	<55	<55	<55
SD 5	NA	0.50	0.95		NA	<55	<55	<55	<55	<55	<55	<55
SD 5	NA	1.50	1.95		NA	<55	<55	<55	<55	<55	<55	<55
SD 5	NA	2.50	2.95		NA	<55	<55	<55	<55	<55	<55	<55
SD 5	NA	3.50	3.95		NA	<55	<55	<55	<55	<55	<55	<55
SD 5	NA	4.00	4.45		NA	<55	<55	<55	<55	<55	<55	<55
SD 6	NA	0.00	0.45		NA	<55	<55	<55	<55	<55	<55	<55
SD 6	NA	0.50	0.95		NA	<55	<55	<55	<55	<55	<55	<55
SD 6	NA	1.00	1.45		NA	<55	<55	<55	<55	<55	<55	<55
SD 6	NA	1.50	1.95		NA	<55	<55	<55	<55	<55	<55	<55
SD 6	NA	2.00	2.45		NA	<55	<55	<55	<55	<55	<55	<55
SD 6	NA	2.50	2.95		NA	<55	<55	<55	<55	<55	<55	<55
SD 6	NA	3.00	3.45		NA	<55	<55	<55	<55	<55	<55	<55
SD 6	NA	3.50	. 4.50		NA	<55	<55	<55	<55	<55	<55	<55

Report No. Project Name	:	108058N Agreement No. CE 3/74 PWP Item No. 705 CL - Hang Hau Tsuen Channel at Lau Fan Shan
Customer	:	Lam Geotechnics Limited
Lab Job No. Lab Sample No.	:	J677 21575, 21576, 21579, 21580, 21584, 21599, 21608

Test Results

1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs

Γ	Customer Ref.			Sam	ole		NAP	ANY	ANA	FLU	PHE	ANT	LMW
ſ	Drillhole No.		Depth, r	n	Туре	Specimen							PAH
		No.	From	То		Depth m	ug/kg						
ľ	Ref. Sample	NA	NA	NA		NA	<55	<55	<55	<55	<55	<55	<55

(Page 4 of 5)

TEST REPORT

Report No.	 108058N Agreement No. CE 3/74 PWP Item No. 705 CL - Hang Hau Tsuen Channel
Project Name	at Lau Fan Shan
Customer	: Lam Geotechnics Limited
Lab Job No.	: J677
Lab Sample No.	: 21575, 21576, 21579, 21580, 21584, 21599, 21608

Test Results

2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs

Customer Ref.			Samp	le		CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE	HMVV
Drillhole No.		Depth,	m	Type	Specimen											PAH
	No.	From	То		Depth m	ug/kg										
SD 4	NA	0.00	0.45		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SD 4	NA	0.50	0.95		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SD 4	NA	1.00	1.45		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SD 4	NA	1.50	1.95		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SD 4	NA	2.00	2.45		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SD 4	NA	2.50	2.95		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SD 5	NA	0.00	0.45		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SD 5	NA	0.50	0.95		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SD 5	NA	1.50	1.95		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SD 5	NA	2.50	2.95		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SD 5	NA	3.50	3.95		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SD 5	NA	4.00	4.45		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SD 6	NA	0.00	0.45		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SD 6	NA	0.50	0.95		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SD 6	NA	1.00	1.45		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SD 6	NA	1.50	1.95		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SD 6	NA	2.00	2.45		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SD 6	NA	2.50	2.95		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SD 6	NA	3.00	3.45		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SD 6	NA	3,50	4.50		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170

Report No. Project Name	108058N Agreement No. CE 3/74 PWP Item No. 705 CL - Hang Hau Tsuen Channel at Lau Fan Shan
Customer	Lam Geotechnics Limited
Lab Job No. Lab Sample No.	J677 21575, 21576, 21579, 21580, 21584, 21599, 21608

Test Results

2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs

Customer Ref.			Samp	ole		CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE	HMW
Drillhole No.		Depth, m			Specimen						·					PAH
	No.	From	То		Depth m	ug/kg										
Ref. Sample	NA	NA	NA		NA	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170

------ End of Report ------

Report No. Project Name	:	108058N Agreement No. CE 3/74 PWP Item No. 705 CL - Hang Hau Tsuen Channel at Lau Fan Shan
Customer	:	Lam Geotechnics Limited
Lab Job No. Lab Sample No.	:	J677 21575, 21576, 21579, 21580, 21584, 21599, 21608

QC Results

1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs

1.1 Sample Duplicate

Customer Ref.			Sam	ple			NAP	ANY	ANA	FLU	PHE	ANT
Drillhole No.	0	epth, r	n	Туре	Specimen	Batch						
	No. From To				Depth m		%	%	%	%	%	%
SD 4	NA	0.00	0.45		NA	1	na*	na*	na*	na*	na*	na*
SD 5	NA	3.50	3.95		NA	2	па*	na*	na*	na*	na*	na*
	C	ontrol	Limits					+/-	30 % o	f the m	еал	

1.2 Sample Spike (Spike Level = 5 ug)

Customer Ref.	<u> </u>		Sam	ole			NAP	ANY	ANA	FLU	PHE	ANT
Drillhole No.	C				Specimen	Batch						
	No.	From	То		Depth m		%	%	%	%	%	%
SD 4	NA	0.00	0.45		NA	1	88	112	110	115	97	93
SD 5	NA	3.50	3.95		NA	2	92	111	111	113	107	111
						70 - 1	30 %					

Notes :

Authorized Signatory

 na* = Relative deviation (RD) for duplicates cannot be evaluated as the value determined is lower than reporting limit.

•

Wong/Yau Tim (Operations Manager)

Issue Date: : 10 D

10 Dec. 2008

 Lam Laboratories Limited
 Unit 12, 14/F., Honour Industrial Centre, 6 Sun Yip Street, Chai Wan, Hong Kong.

 Tel: (852) 2897 3282
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Report No. Project Name	:	108058N Agreement No. CE 3/74 PWP Item No. 705 CL - Hang Hau Tsuen Channel at Lau Fan Shan
Customer	:	Lam Geotechnics Limited
Lab Job No. Lab Sample No.	:	J677 21575, 21576, 21579, 21580, 21584, 21599, 21608

QC Results

2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs

2.1 Sample Duplicate

Customer Ref.			Sam	ple			CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE
Drillhole No.	D	Depth, m			Specimen	Batch										
	No.	From	То	Depth m			%	%	%	%	%	%	%	%	%	%
SD 4	NA	0.00	0.45		NA	1	na*	na*	na*	na*	na*	na*	na*	na*	ла*	na*
SD 5	NA	3.50	3.95		NA	2	na*	na*	na*	na*	na*	na*	na*	na*	na*	na*
	Control Limits									+/- 30	% of	the m	nean			

2.2 Sample Spike (Spike Level = 5 ug)

Customer Ref.			Sam	ple			CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE
Drillhole No.	E	Depth, m T		Type Specimen		Batch										
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%	%
SD 4	NA	0.00	0.45		NA	1	98	98	112	116	113	96	107	109	103	107
SD 5	NA	3.50	3.95		NA	2	107	109	106	108	102	99	109	115	118	100
	С	Control	Limits							7	70 - 1:	30 %				

Notes :

1. na* = Relative deviation (RD) for duplicates cannot be evaluated as the value determined is lower than reporting limit.

Report No.	 108058N Agreement No. CE 3/74 PWP Item No. 705 CL - Hang Hau Tsuen Channel
Project Name	at Lau Fan Shan
Customer	: Lam Geotechnics Limited
Lab Job No.	: J677
Lab Sample No.	: 21575, 21576, 21579, 21580, 21584, 21599, 21608

QC Results

1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs

1.3 QC Sample (SETOC 2007.4.1)

Customer Ref.	l .		Sam	nple			NAP	ANY	ANA	FLU	PHE	ANT
Drillhole No.		Depth, m		Type Specimen		Batch						
	No.	From	То		Depth m		%	%	%	%	%	%
SETOC 2007.4.1	N/A	N/A	N/A		N/A	1	94	122	72	96	93	118
SETOC 2007.4.1	N/A	N/A	N/A		N/A	2	93	104	82	86	82	109
	C	Control	Limits					70 - 13	30 % of	nomina	l value	

1.4 Method Blank

Customer Ref.			San	nple			NAP	ANY	ANA	FLU	PHE	ANT
Drillhole No.		Depth,	m	Туре	Specimen	Batch						
	No.	From	То		Depth m		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
N/A	N/A	N/A	N/A		N/A	1	<55	<55	<55	<55	<55	<55
N/A	N/A	N/A	N/A		N/A	2	<55	<55	<55	<55	<55	<55

	J(L I Control	Limits	I				Less	s than re	eporting	limit	l

Report No. Project Name	:	108058N Agreement No. CE 3/74 PWP Item No. 705 CL - Hang Hau Tsuen Channel at Lau Fan Shan
Customer	:	Lam Geotechnics Limited
Lab Job No. Lab Sample No.	:	J677 21575, 21576, 21579, 21580, 21584, 21599, 21608

QC Results

2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs

2.3 QC Sample (SETOC 2007.4.1)

Customer Ref.			Sam	ple			CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE
Drillhole No.	C	Depth, m Type Specimen			Batch											
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%	%
SETOC 2007.4.1	N/A	N/A	N/A		N/A	1	94	86	106	108	89	121	91	95	107	100
SETOC 2007.4.1	N/A	N/A	N/A		N/A	2	91	95	102	103	82	121	90	90	97	97
, 																
	Co	ontrol L	imits						70	- 1309	% of n	omina	l valu	3		

2.4 Method Blank

Customer Ref.	I		Sam	ole			CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE
Drillhole No.		Depth, m Type Specimen			Batch											
	No.	From	То		Depth m		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
N/A	N/A	N/A	N/A		N/A	1	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
N/A	N/A	N/A	N/A		N/A	2	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
	Cc	ontrol L	imits.	l	I			L	L	ess th	an rep	porting	ı limit			

Report No. Project Name	 108059N Agreement No. CE 3/74 PWP Item No. 705 CL - Hang Hau Tsuen Channel at Lau Fan Shan
Customer	: Lam Geotechnics Limited
Address	: 11/F, Centre Point, 181 - 185 Gloucester Road, Wanchai, Hong Kong
Lab Job No.	: J677
Lab Sample No.	:21575, 21576, 21579, 21580, 21584, 21599, 21608
Sample Description	: 21 samples said to be soil
Sample Receipt Date	: 20 November 2008 - 27 November 2008
Test Period	: 21 November 2008 - 05 December 2008

Test Information

CODE	Test Parameter	Reporting Limit	Test Procedure
		ug/kg	
8	2,4' dichlorobiphenyl	3.0	S/O/PCB
18	2,2',5 trichlorobiphenyl	3.0	S/O/PCB
28	2,4,4' trichlorobiphenyl	3.0	S/O/PCB
44	2,2',3,5' tetrachlorobiphenyl	3.0	S/O/PCB
52	2,2',5,5' tetrachlorobiphenyl	. 3.0	S/O/PCB
66	2,3',4,4' tetrachlorobiphenyl	3.0	S/O/PCB
77	3,3',4,4' tetrachlorobiphenyl	3.0	S/O/PCB
101	2,2',4,5,5' pentachlorobiphenyl	3.0	S/O/PCB
105	2,3,3',4,4' pentachlorobiphenyl	3.0	S/O/PCB
118	2,3',4,4',5 pentachlorobiphenyl	3.0	S/O/PCB
126	3,3',4,4',5 pentachlorobiphenyl	3.0	S/O/PCB
128	2,2',3,3',4,4' hexachlorobiphenyl	3.0	S/O/PCB
138	2,2',3,4,4',5' hexachlorobiphenyl	3.0	S/O/PCB
153	2,2',4,4',5,5' hexachlorobiphenyl	3.0	S/O/PCB
169	3,3',4,4',5,5' hexachlorobiphenyl	3.0	S/O/PCB
170	2,2',3,3',4,4',5 heptachlorobiphenyl	3.0	S/O/PCB
180	2,2',3,4,4',5,5' heptachlorobiphenyl	3.0	S/O/PCB
187	2,2',3,4',5,5',6 heptachlorobiphenyl	3.0	S/O/PCB
Total PCB	Total PCB	3.0	S/O/PCB

Notes :

1. This report shall not be reproduced, except in full, without prior approval from Lam Laboratories Ltd.

- 2. Results relate to samples as received.
- 3. Results are based on dry sample weight.
- 4. < = less than
- 5. N/A = Not applicable

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- 6. Test results satisfy all in-house QA/QC protocols as attached.
- 7. Test description (for in-house methods only) as follows:
- S/O/PCB:Ultra-Sonic extraction and GC-MS Quantification.
- 8. Total PCB equals to the sum of individual reported PCBs.

Authorized Signatory

Wong Yau Tim (Operations Manager)

Issue Date: 10 Dec. 2008

Lam Laboratories Limited

Unit 12, 14/F., Honour Industrial Centre, 6 Sun Yip Street, Chai Wan, Hong Kong. Tel: (852) 2897 3282 Fax: (852) 2897 5509 e-mail: <u>info@lamlab.com</u>

Report No. Project Name	:	108059N Agreement No. CE 3/74 PWP Item No. 705 CL - Hang Hau Tsuen Channel at Lau Fan Shan
Customer	:	Lam Geotechnics Limited
Lab Job No. Lab Sample No.	:	J677 21575, 21576, 21579, 21580, 21584, 21599, 21608

Test Results

Customer Ref.			Samp	<u>ple</u>		8	18	28	44	52	66	77	101	·
Drillhole No.		Depth, m 7			•	[
	No.	From	То		Depth m	ug/kg	ļu							
SD 4	NA	0.00	0.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<
SD 4	NA	0.50	0.95		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<
SD 4	NA	1.00	1.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<
SD 4	NA	1.50	1.95		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<
SD 4	NA	. 2.00	2.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<
SD 4	NA	2.50	2.95		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<
SD 5	NA	0.00	0.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<
SD 5	NA	0.50	0.95		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<
SD 5	NA	1.50	1.95		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<
SD 5	NA	2.50	2.95		NA	<3.0		<3.0		<3.0		<3.0		
SD 5	NA	3.50	3.95		NA	<3.0		<3.0		<3.0			<3.0	
SD 5	NA	4.00	4.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<
SD 6	NA	0.00	0.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<
SD 6	NA	0.50	0.95		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<
SD 6	NA	1.00	1.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	۷
SD 6	NA	1.50	1.95		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<
SD 6	NA	2.00	2.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<
SD 6	NA	2.50	2.95		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<
SD 6	NA	3.00	3.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<
SD 6	NA	3.50	4.50		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<

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(Page 3 of 5)

TEST REPORT

Report No. Project Name	:	108059N Agreement No. CE 3/74 PWP Item No. 705 CL - Hang Hau Tsuen Channel at Lau Fan Shan
Customer	:	Lam Geotechnics Limited
Lab Job No.	:	J677
Lab Sample No.	:	21575, 21576, 21579, 21580, 21584, 21599, 21608

Test Results

Customer Ref.			Samp	ble		8	18	28	44	52	66	77	101	105
Drillhole No.	I	Depth, i	n	Туре	Specimen				·					
	No.	From	То		Depth m	ug/kg								
Ref. Sample	NA	NA	NA		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

(Page 4 of 5)

TEST REPORT

Report No. Project Name	:	108059N Agreement No. CE 3/74 PWP Item No. 705 CL - Hang Hau Tsuen Channel at Lau Fan Shan
Customer	:	Lam Geotechnics Limited
Lab Job No. Lab Sample No.	:	J677 21575, 21576, 21579, 21580, 21584, 21599, 21608

Test Results

Customer Ref.	[Sampl	e		118	126	128	138	153	169	170	180	187	Total
Drillhole No.	1	Depth, r	n	Туре	Specimen										PCB
	No.	From	То		Depth m	ug/kg									
SD 4	NA	0.00	0.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD 4	NA	0.50	0.95		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD 4	NA	1.00	1.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD 4	NA	1.50	1.95		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD 4	NA	2.00	2.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD 4	NA	2.50	2.95		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD 5	NA	0.00	0.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD 5	NA	0.50	0.95		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD 5	NA	1.50	1.95		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD 5	NA	2.50	2.95		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD 5	NA	3.50	3.95		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD 5	NA	4.00	4.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD 6	NA	0.00	0.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD 6	NA	0.50	0.95		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD 6	NA	1.00	1.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD 6	NA	1.50	1.95		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD 6	NA	2.00	2.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD 6	NA	2.50	2.95		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD 6	NA	3.00	3.45		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
SD 6	NA	3.50	4.50		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

(Page 5 of 5)

TEST REPORT

Report No. Project Name	:	108059N Agreement No. CE 3/74 PWP Item No. 705 CL - Hang Hau Tsuen Channel at Lau Fan Shan
Customer	:	Lam Geotechnics Limited
Lab Job No. Lab Sample No.	:	J677 21575, 21576, 21579, 21580, 21584, 21599, 21608

Test Results

Customer Ref.			Samp	е		118	126	128	138	153	169	170	180	187	Total
Drillhole No.	E	Depth, n	n	Туре	Specimen										PCB
	No.	From	То		Depth m	ug/kg									
Ref. Sample	NA	NA	NA		NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

----End of Report----

Report No. Project Name	:	108059N Agreement No. CE 3/74 PWP Item No. 705 CL - Hang Hau Tsuen Channel at Lau Fan Shan
Customer	:	Lam Geotechnics Limited
Lab Job No. Lab Sample No.	:	J677 21575, 21576, 21579, 21580, 21584, 21599, 21608

QC Results

1.1 Sample Duplicate

Customer Ref.			Sam	ple			8	18	28	44	52	66	77	101	105
Drillhole No.	Ľ)epth, г	n	Туре	Specimen	Batch									
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%
SD 4	NA	0.00	0.45		NA	1	na*	na*	na*	na*	na*	na*	na*	na*	na*
SD 5	NA	3.50	3.95		NA	2	na*	na*	na*	na*	na*	na*	na*	na*	na*
	C	ontrol L	.imit						+/-	- 30%	of the	mear	<u>ן</u>		

1.2 Sample Spike (Spike Level = 1 ug)

Customer Ref.			Sam	ple			8	18	28	44	52	66	77	101	105
Drillhole No.	<u> </u>)epth, r	n	Туре	Specimen	Batch									
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%
SD 4	NA	0.00	0.45		NA	1	96	98	99	100	103	97	97	94	85
SD 5	NA	3.50	3.95		NA	[.] 2	119	126	111	111	120	108	98	109	94
							-								
	Control Limit									70-	-130 %	6			

Notes :

 na* = Relative deviation (RD) for duplicates cannot be evaluated as the value determined is lower than reporting limit.

:

Authorized Signatory

(Worlg Yau Tim (Operations Manager)

Issue Date: : 10 [

: 10 Dec. 2008

Lam Laboratories Limited

Unit 12, 14/F., Honour Industrial Centre, 6 Sun Yip Street, Chai Wan, Hong Kong. Tel: (852) 2897 3282 Fax: (852) 2897 5509 e-mail: <u>info@lamlab.com</u>

Report No. Project Name	: Agre	059N eement No. CE 3/74 PWP Item No. 705 CL - Hang Hau Tsuen Channel au Fan Shan
Customer	: Larr	a Geotechnics Limited
Lab Job No. Lab Sample No.	: J67 : 215	7 75, 21576, 21579, 21580, 21584, 21599, 21608

QC Results

1.3 Sample Duplicate

Customer Ref.			Sam		118	126	128	138	153	169	170	180	187		
Drillhole No.	E	Depth,	m	Туре	Specimen	Batch	·								
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%
SD 4	NA	0.00	0.45		NA	1	na*	na*	na*	na*	na*	na*	na*	na*	na*
SD 5	NA	3,50	3.95		NA	2	na*	na*	na*	na*	na*	na*	na*	na*	na*
	Co	ntrol Li	mit						+/-	30% (of the	mear	1		

1.4 Sample Spike (Spike Level = 1 ug)

Customer Ref.			Sam	ple			118	126	128	138	153	169	170	180	187
Drillhole No.	C	Depth, I	m	Туре	Specimen	Batch									
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%
SD 4	NA	0.00	0.45		NA	1	97	98	97	85	95	100	100	98	97
SD 5	NA	3.50	3.95		NA	2	98	98	116	94	105	100	100	100	109
	Co	ntrol Li	mit							70-1	130 %	b			

Notes :

na* = Relative deviation (RD) for duplicates cannot be evaluated as the value determined is lower than reporting limit.

1.

Report No. Project Name	•	108059N Agreement No. CE 3/74 PWP Item No. 705 CL - Hang Hau Tsuen Channel at Lau Fan Shan
Customer	:	Lam Geotechnics Limited

Lab Job No.	:	J677
Lab Sample No.	:	21575, 21576, 21579, 21580, 21584, 21599, 21608
OC Beaulta		

QC Results

2.1 QC Sample (SETOC 2005.2.4)

Customer Ref.		28	52	101	105	118	128	138	153	180
Drillhole No.	Batch									
		%	%	%	%	%	%	%	%	%
SETOC 2005.2.4	1	118	102	92	93	103	108	122	93	100
SETOC 2005.2.4	2	124	108	82	91	110	99	124	107	99
Control Limi	70 - 130% of nominal value									

2.2 Method Blank

Customer Ref.			Sam	ole			8	18	28	44	52	66	77	101	105
Drillhole No.	Depth, m		TypeSpecimer		Batch										
	No.	From	То		Depth m		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
N/A	N/A	N/A	N/A		N/A	1	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
N/A	N/A	N/A	N/A		N/A	2	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
			i												
	C	ontrol	Limit						less	s than	repor	ting lir	nit		

Customer Ref.			Samp	ole		· .······	118	126	128	138	153	169	170	180	187
Drillhole No.	Depth, m		TypeSpecimer		Batch										
	No.	From	То		Depth m		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
N/A	Ń/A	N/A	N/A		N/A	1	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
N/A	N/A	N/A	N/A		N/A	2	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	Control Limit									s than	repor	ting lir	nit		

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 Unit 12, 14/F., Honour Industrial Centre, 6 Sun Yip Street, Chai Wan, Hong Kong.

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