Installation of Submarine Gas Pipelines and Associated Facilities from To Kwa Wan to North Point for Former Kai Tak Airport Development Consultancy Services for Feasibility Study and Detailed Design Environmental Impact Assessment Report



Appendix B6
Laboratory Test Report on Elutriate Tests

Marine Water / Elutriate

Metals



Australian Government

National Measurement Institute



REPORT OF ANALYSIS

Page: 1 of 3

Report No. RN689625

: LAM LABORATORIES LTD Client

1412 - 1416 HONOUR IND CENTRE

6 SUN YIP STREET

CHAI WAN

HONG KONG

: MAUREEN CHANG

Attention Project Name

Your Client Services Manager : Brian Woodward

Quote No.

Job No.

: LAML01/080714 : QT-00441

Order No.

Date Sampled:

Date Received: 14-JUL-2008

Sampled By

: CLIENT

Phone : (02) 94490151

Lab Reg No.	Sample Ref	Sample Description
NQ08/02736	VC-37	MARINE WATER JOB J656
NQ08/02737	VC37 0.0-0.9m	ELUTRIATE (0.6 0.9) + MARINE WATER JOB J656
NQ08/02738	VC37 0.9-1.9m	ELUTRIATE (1.0 1.9) + MARINE WATER JOB J656
		40

Lab Reg No.			NQ08/02736	NQ08/02737	NQ08/02738	
Sample Reference			VC-37	VC37	VC37	1
•	Units	LOR				Method
Trace Elements	<u> </u>					_
Arsenic	ug/L	2.0	2	<2	2.8	NT247_251
Cadmium	ug/L	0.2	<0.2	<0.2	<0.2	NT2_47
Chromium	ug/L	1.0	<1	1.9	<1	NT2_47
Copper	ug/L	1.0	1.6	1.5	2.1	NT2_47
Lead	ug/L	1.0	1.3	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	1.4	1.6	2.3	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinç	ug/L	4.0	17	<4	<4	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

23-JUL-2008

Page: 2 of 3 Report No. RN689625

Client : LAM LABORATORIES LTD

1412 - 1416 HONOUR IND CENTRE

Job No. Quote No.

: LAML01/080714

6 SUN YIP STREET

Order No.

: QT-00441

CHAI WAN

Date Sampled:

Date Received: 14-JUL-2008

HONG KONG
ttention : MAUREEN CHANG

Sampled By :

: CLIENT

Attention

Project Name :

Your Client Services Manager : Brian Woodward

Phone

: (02) 94490151

Lab Reg No.	Sample R	ef	Sample Description	
NQ08/02739	VC37	19-29m.	ELUTRIATE (2.0-2.8) +	MARINE WATER JOB J656
-			(Po	
Lab Reg No.			NQ08/02739	
Sample Reference			VC37	
	Units	LOR		Method
Trace Elements				
Arsenic	ug/L	2.0	<2	NT247_251
Cadmium	ug/L	0.2	<0.2	NT2_47
Chromium	ug/L	1.0	<1	NT2_47
Copper	ug/L	1.0	2	NT2_47
Lead	ug/L	1.0	<1	NT2_47
Mercury	ug/L	0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	3	NT2_47
Silver	ug/L	1.0	<1	NT2_47
Zinc	ug/L	4.0	<4	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

23-JUL-2008



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Accreditated for compliance with ISO/IEC 17025. This report shall not be reproduced except in full. Results relate only to the sample(s) tested.

1 Suakin Street, Pymble NSW 2073 Tel: +61 2 9449 0111 Fax: +61 2 9449 1653 www.measurement.gov.au

Page: 3 of 3 Report No. RN689625

This Report supersedes reports: RN689583

1 Suakin Street, Pymble NSW 2073 Tel: +61 2 9449 0111 Fax: +61 2 9449 1653 www.measurement.gov.au



Australian Government

National Measurement Institute

QUALITY ASSURANCE REPORT

Client:

LAM LABORATORIES

NMI QA Report No:

LAML01/080714

Sample Matrix:

Water

Analyte	Method	LOR	Blank		Duplicates			Recoveries	
, , , , , , , , , , , , , , , , , , ,			<u> </u>	Sample	Duplicate	RPD	LCS	Matrix Spike	
		ug/L	ug/L	ug/L	ug/L	%	%	%	
Inorganics Section				NQ08/02739				NQ08/02739	
Arsenic	NT2.47/2.51	2	<2	<2	<2	ND	93	95	
Cadmium	NT2.47	0.2	<0.2	<0.2	<0.2	ND	100	88	
Chromium	NT2.47	1	<1	<1	<1	ND	99	103	
Copper	NT2.47	1	<1	2.0	1.9	5	110	90	
Lead	NT2.47	1	<1	<1	<1	ND	98	96	
Mercury	NT2.47/2.44	0.1	<0.1	<0.1	<0.1	ND	100	91	
Nickel	NT2.47	1	<1	3	3	0	95	86	
Silver	NT2.47	1	<1	<1	<1	ND	104	86	
Zinc	NT2.47	4	<4	<4	<4	ND	110	83	
								1	

Filename =

K:\Inorganics\Quality System\QA Reports\TE\QAR2008\Water\

Legend:

Acceptable recovery is 75-120%.

Acceptable RPDs on duplicates is 44% at concentrations >5 times LOR. Greater RPD may be expected at <5 times LOR.

LOR = Limit Of Reporting

ND = Not Determined NA = Not Applicable

RPD = Relative Percent Difference

LCS = Laboratory Control Sample.

#: Spike level is less than 50% of the sample's concentration, hence the recovery data is not reliable.

Comments:

Results greater than ten times LOR have been rounded to two significant figures.

This report shall not be reproduced except in full.

Signed:

Dr Michael Wu

inorganics Manager, NMI-Pymble

23/07/2008

Date:



Australian Government

National Measurement Institute



REPORT OF ANALYSIS

Page: 1 of 5 Report No. RN691261

Client : LAM LABORATORIES LTD

1412 - 1416 HONOUR IND CENTRE

Job No. Quote No. : LAML01/080718/1

6 SUN YIP STREET

Order No.

: QT-00441

CHAI WAN

Date Sampled:

Sampled By

HONG KONG

Date Received: 18-JUL-2008 : CLIENT

Attention **Project Name**

: MAUREEN CHANG

Your Client Services Manager : Brian Woodward

Phone

: (02) 94490151

Lab Reg No.	Sample Ref	Sample Description
NQ08/03032	VC37 2.9-5.9	ELUTRIATE + MARINE WATER JOB J656 (3.0 4.0)
NQ08/03033	VC37 5.9 - 8.9	ELUTRIATE + MARINE WATER JOB J656 (6.0-7.0)
NQ08/03034	VC21 49-1-9	ELUTRIATE + MARINE WATER JOB J656 (1.0 2.0)

Lab Reg No.			NQ08/03032	NQ08/03033 I	NQ08/03034	
Sample Reference			VC37	VC37	VC21	
	Units	LOR				Method
Trace Elements		<u>_</u>		•	•	
Arsenic	ug/L	2.0	<2	<2	20	NT247_251
Cadmium	ug/L	0.2	<0.2	<0.2	0.4	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	<1	<1	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	2.4	1.4	1.2	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	<4	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

Page: 2 of 5

Report No. RN691261

Client

: LAM LABORATORIES LTD 1412 - 1416 HONOUR IND CENTRE Job No. Quote No. : LAML01/080718/1

6 SUN YIP STREET

Order No.

: QT-00441

CHAI WAN

Date Sampled:

HONG KONG

Date Received: 18-JUL-2008 Sampled By

: CLIENT

Attention Project Name

: MAUREEN CHANG

Your Client Services Manager : Brian Woodward

Phone

: (02) 94490151

Lab Reg No.	Sample Ref	Sample Description
NQ08/03035	VC21 2.9-5.9m	ELUTRIATE + MARINE WATER JOB J656 (3.0 4.0)
NQ08/03036	VC35 00-0.9n	ې ELUTRIATE + MARINE WATER JOB J656 (0.0-1.0) کې
NQ08/03037	VC35 i.4 - 2.9m	ELUTRIATE + MARINE WATER JOB J656 (2.0-2.8)

Lab Reg No.			NQ08/03035	NQ08/03036 NQ08/03037		
Sample Reference			VC21	VC35	VC35	7
•	Units	LOR				Method
Trace Elements	<u> </u>			•		
Arsenic	ug/L	2.0	4.4	<2	<2	NT247_251
Cadmium	ug/L	0.2	0.2	0.2	<0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	<1	2.5	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	<1	3.3	2.2	NT2_47
Silver	ug/L	1.0	2	<1	< 1	NT2_47
Zinc	ug/L	4.0	<4	5.7	<4	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

Page: 3 of 5 Report No. RN691261

Client : LAM LABORATORIES LTD

1412 - 1416 HONOUR IND CENTRE

Job No. Quote No. : LAML01/080718/1

6 SUN YIP STREET

Order No.

: QT-00441

CHAI WAN

Date Sampled:

HONG KONG

Date Received: 18-JUL-2008

Attention

: MAUREEN CHANG

Sampled By

: CLIENT

Project Name

Your Client Services Manager : Brian Woodward

Phone

: (02) 94490151

Lab Reg No.	Sample Ref	Sample Description
NQ08/03038	VC35 Z9-5.9m	ELUTRIATE + MARINE WATER JOB J656 (3.0 4.0)
NQ08/03039	VC35 59 - 89m	ELUTRIATE + MARINE WATER JOB J656 (6.0 7.0)
NQ08/03040	VC21 1.9 - 2.9m.	ELUTRIATE + MARINE WATER JOB J656 (0.0-1.0)
		11000 100000 11000 100000 11000 1000 10

Lab Reg No.	l:		NO08/03038	NQ08/03039	NQ08/03040	
Sample Reference			VC35	VC35	VC21	1
	Units	LOR				Method
Trace Elements	<u> </u>		,			
Arsenic	ug/L	2.0	4.5	<2	8.5	NT247_251
Cadmium	ug/L	0.2	<0.2	<0.2	0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	<1	<1	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	2.1	1	2.6	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	4.2	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

Page: 4 of 5 Report No. RN691261

Client

: LAM LABORATORIES LTD

1412 - 1416 HONOUR IND CENTRE

Job No. Quote No. : LAML01/080718/1

6 SUN YIP STREET CHAI WAN

Order No.

: QT-00441

Date Sampled:

Date Received: 18-JUL-2008

Attention

HONG KONG : MAUREEN CHANG

Sampled By

: CLIENT

Project Name

Your Client Services Manager : Brian Woodward

Phone

: (02) 94490151

Lab Reg No.	Sample Ref	Sample Description
NQ08/03041	VC21 1.9- 2.9m	ELUTRIATE + MARINE WATER JOB J656 (2.0 2.8)
NQ08/03042	VC33 0-9-1.9nL	ELUTRIATE + MARINE WATER JOB J656 (1.0-2.0)
NQ08/03043	VC35 0.9-1.9m	ELUTRIATE + MARINE WATER JOB J656 (1.0 2.0)

Lab Reg No.			NQ08/03041	NQ08/03042	NQ08/03043	ľ
Sample Reference			VC21	VC33	VC35]
·	Units	LOR				Method
Trace Elements						
Arsenic	ug/L	2.0	19	<2	<2	NT247_251
Cadmium	ug/L	0.2	0.5	<0.2	<0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	<1	<1	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	2.4	<1	2	NT2_47
Silver	ug/L	1.0	<1	<1	2.6	NT2_47
Zinc	ug/L	4.0	9.3	24	5.9	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

1-AUG-2008



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Page: 5 of 5 Report No. RN691261

This Report supersedes reports: RN691258

1 Suakin Street, Pymble NSW 2073 Tel: +61 2 9449 0111 Fax: +61 2 9449 1653 www.measurement.gov.au



Australian Government

National Measurement Institute

QUALITY ASSURANCE REPORT

Client:

LAM LABORATORIES

NMI QA Report No:

LAML01/080718/1

Sample Matrix:

Water

Analyte	Method	Method LOR Blank			Duplicates			Recoveries	
				Sample	Duplicate	RPD	LCS	Matrix Spike	
		ug/L	ug/L	ug/L	ug/L	%	%	%	
Inorganics Section			<u> </u>	NQ08/03043				NQ08/03043	
Arsenic	NT2.47/2.51	2	<2	<2	<2	ND	93	86	
Cadmium	NT2.47	0.2	<0.2	<0.2	<0.2	ND	110	90	
Chromium	NT2.47	1	<1	<1	<1	ND	110	91	
Copper	NT2.47	1	<1	<1	<1	ND	105	93	
Lead	NT2.47	1	<1	<1	<1	ND	100	87	
Mercury	NT2.47/2.44	0.1	<0.1	<0.1	<0.1	ND	101	87	
Nickel	NT2.47	1	<1	2	1.9	5	100	91	
Silver	NT2.47	1	<1	2.6	2.6	0	104	87	
Zinc	NT2.47	4	<4	6.4	5.3	19	115	95	
							Į.		

Filename =

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Legend:

Acceptable recovery is 75-120%.

Acceptable RPDs on duplicates is 44% at concentrations >5 times LOR. Greater RPD may be expected at <5 times LOR.

LOR = Limit Of Reporting

ND = Not Determined NA = Not Applicable

RPD = Relative Percent Difference

LCS = Laboratory Control Sample.

#: Spike level is less than 50% of the sample's concentration, hence the recovery data is not reliable.

Comments:

Results greater than ten times LOR have been rounded to two significant figures.

This report shall not be reproduced except in full.

Signed:

Dr Michael Wu

Inorganics Manager, NMI-Pymble

1/08/2008

Date:



Australian Government

National Measurement Institute



REPORT OF ANALYSIS

Page: 1 of 14 Report No. RN692159

LAM LABORATORIES LTD Client

1412 - 1416 HONOUR IND CENTRE

6 SUN YIP STREET

CHAI WAN

HONG KONG

: MAUREEN CHANG

Attention

Project Name

Your Client Services Manager : Brian Woodward

Job No.

: LAML01/080724 : QT-00441

Quote No. Order No.

Date Sampled:

Date Received: 24-JUL-2008

Sampled By : CLIENT

Phone : (02) 94490151

Lab Reg No.	Sample Ref	Sample Description
NQ08/03162	VC-23 0.0 - 0.7m	ELUTRIATE (0.2-0.9) + MARINE WATER JOB J656
NQ08/03163	VC-23 0.9 - 1.9m	ELUTRIATE (1.0-1.9) + MARINE WATER JOB J656
NQ08/03164	VC-23 1.9 - 1.9m	ELUTRIATE (2.0 2.8) A MARINE WATER JOB J656
		V()

Lab Reg No.			NQ08/03162	NQ08/03163	NQ08/03164	
Sample Reference			VC-23	VC-23	VC-23	7
	Units	LOR		<u></u>		Method
Trace Elements	<u> </u>					
Arsenic	ug/L	2.0	3.2	3.6	<2	NT247_251
Cadmium	ug/L	0.2	0.2	<0.2	0.22	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	1.6	<1	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	3.2	<1	1.3	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	<4	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

Page: 2 of 14

Report No. RN692159

: LAM LABORATORIES LTD Client

1412 - 1416 HONOUR IND CENTRE

Quote No.

Job No.

: LAML01/080724

6 SUN YIP STREET

Order No.

: QT-00441

CHAI WAN

Date Sampled:

Date Received: 24-JUL-2008

HONG KONG

Sampled By

: CLIENT

Attention

: MAUREEN CHANG

Project Name

Your Client Services Manager : Brian Woodward

Phone

: (02) 94490151

Lab Reg No.	Sample Ref	Sample Description
NQ08/03165	VC-23 2.9-5.7m	ELUTRIATE (3.0-4.0) + MARINE WATER JOB J656
NQ08/03166	VC-23 5.9 - 8.9m	ELUTRIATE (6.0-7.0) + MARINE WATER JOB J656
NQ08/03167	VC-33 0.0 - 0.7m	ELUTRIATE (0.0-1.0) A MARINE WATER JOB J656

Lab Reg No.			NQ08/03165	NQ08/03166	NQ08/03167	
Sample Reference			VC-23	VC-23	VC-33	7
	Units	LOR				Method
Trace Elements						
Arsenic	ug/L	2.0	<2	2.1	2.2	NT247_251
Cadmium	ug/L	0.2	<0.2	<0.2	<0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	1.2	2.9	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	<1	9.9	3.1	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	<4	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

Page: 3 of 14

Report No. RN692159

: LAM LABORATORIES LTD Client

1412 - 1416 HONOUR IND CENTRE

Job No. : LAML01/080724 Quote No. : QT-00441

6 SUN YIP STREET

Order No.

CHAI WAN

Your Client Services Manager : Brian Woodward

Date Sampled:

HONG KONG

: MAUREEN CHANG

Date Received: 24-JUL-2008 : CLIENT Sampled By

Attention

Project Name

Phone

: (02) 94490151

Lab Reg No.	Sample Ref	Sample Description
NQ08/03168	VC-33 1-9 - 2.9m	ELUTRIATE (2.0 2.8) + MARINE WATER JOB J656
NQ08/03169	VC-31 0.0 - 0.9m2	ELUTRIATE (0.5-1.0) + MARINE WATER JOB J656
NQ08/03170	VC-31 0.9 - 1.9m	ELUTRIATE (1.0 2.0) + MARINE WATER JOB J65
-		The state of the s

Lab Reg No.			NQ08/03168	NQ08/03169	NQ08/03170	
Sample Reference			VC-33	VC-31	VC-31	7
	Units	LOR				Method
Trace Elements	· · · · · · · · · · · · · · · · · · ·					
Arsenic	ug/L	2.0	<2	2.1	<2	NT247_251
Cadmium	ug/L	0.2	<0.2	0.24	0.26	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	<1	3	2.1	NT2_47
Lead	ug/L	1.0	<1	<1	1.3	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	<1	6.5	2	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	<4	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

Page: 4 of 14

Report No. RN692159

: LAM LABORATORIES LTD Client

1412 - 1416 HONOUR IND CENTRE

Job No. Quote No. : LAML01/080724

6 SUN YIP STREET

Order No.

: QT-00441

CHA! WAN

Date Sampled:

Date Received: 24-JUL-2008

HONG KONG

Sampled By

: CLIENT

Attention **Project Name**

: MAUREEN CHANG

Your Client Services Manager : Brian Woodward

Phone

: (02) 94490151

Lab Reg No.	Sample Ref	Sample Description
NQ08/03171	VC-31 1.9 - Z.9m	
NQ08/03172		
NQ08/03173	VC-31 5.9 - 8.9 n	₂ ELUTRIATE (6.2-7.0) + MARINE WATER JOB J656

Lab Reg No.			NQ08/03171	NQ08/03172	NQ08/03173	
Sample Reference			VC-31	VC-31	VC-31	1
	Units	LOR				Method
Trace Elements			-			
Arsenic	ug/L	2.0	<2	<2	<2	NT247_251
Cadmium	ug/L	0.2	<0.2	<0.2	0.24	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	2.2	<1	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	3.1	<1	10	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	<4	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

Page: 5 of 14

Report No. RN692159

Client : LAM LABORATORIES LTD

1412 - 1416 HONOUR IND CENTRE

Job No. Quote No. : LAML01/080724

6 SUN YIP STREET

: MAUREEN CHANG

Order No.

: QT-00441

CHAI WAN

Date Sampled :

Date Received: 24-JUL-2008

HONG KONG

Sampled By

: CLIENT

Attention

Project Name :

Your Client Services Manager : Brian Woodward

Phone

: (02) 94490151

Lab Reg No.	Sample Ref	Sample Description
NQ08/03174	VC-15 00 - 0.4m	ELUTRIATE (0.2 1.0) + MARINE WATER JOB J656
NQ08/03175	VC-15 Z.9 ~ 5.9m	ELUTRIATE (3.0 4.0) + MARINE WATER JOB J656
NQ08/03176	VC-9 0.0 - 0.7m	ELUTRIATE (0.0 1.0) + MARINE WATER JOB J656

Lab Reg No.			NQ08/03174	NQ08/03175 VC-15	NQ08/03176	
Sample Reference			VC-15		VC-9	7
	Units	LOR				Method
Trace Elements		<u> </u>			-	
Arsenic	ug/L	2.0	<2	<2	<2	NT247_251
Cadmium	ug/L	0.2	0.32	<0.2	0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	3.6	1.8	< 1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	1.7	1.8	2.8	NT2_47
Silver	ug/L	1.0	<u><</u> 1	<1	<1	NT2_47
Zinc	ug/L	4.0	6.2	<4	<4	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

Page: 6 of 14

Report No. RN692159

Client : LAM LABORATORIES LTD

1412 - 1416 HONOUR IND CENTRE

Job No. Quote No. : LAML01/080724

6 SUN YIP STREET

: MAUREEN CHANG

Order No.

: QT-00441

CHAI WAN

Date Sampled:

Date Received: 24-JUL-2008

HONG KONG

Sampled By

: CLIENT

Attention

Project Name

Your Client Services Manager : Brian Woodward

Phone

: (02) 94490151

Lab Reg No.	Sample Ref	Sample Description
NQ08/03177	VC-9 0.9 - 1.9m	ELUTRIATE (1.0 2.0) + MARINE WATER JOB J656
NQ08/03178		ELUTRIATE (2.0-2.8) + MARINE WATER JOB J656
NQ08/03179	VC-9 2.9 - 5-9m	ELUTRIATE (3.0-4.0) + MARINE WATER JOB J656

Lab Reg No.			NQ08/03177	NQ08/03178		
Sample Reference			VC-9 VC-9	VC-9		
•	Units	LOR				Method
Trace Elements	<u> </u>					
Arsenic	ug/L	2.0	22	34	<2	NT247_251
Cadmium	ug/L	0.2	1.2	1.1	0.27	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	<1	<1	<1	NT2_47
Lead	ug/L	1.0	<1	<1	< 1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	<1	1.1	<1	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	<4	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

Page: 7 of 14

Report No. RN692159

Client : LAM LABORATORIES LTD

1412 - 1416 HONOUR IND CENTRE

6 SUN YIP STREET

CHAI WAN

HONG KONG

: MAUREEN CHANG

Project Name

Attention

Your Client Services Manager : Brian Woodward

Job No.

: LAML01/080724

Quote No. : QT-00441

Order No.

Date Sampled:

Date Received: 24-JUL-2008

Sampled By

: CLIENT

Phone : (02) 94490151

Lab Reg No.	Sample Ref	Sample Description
NQ08/03180	VC-19 0:0 - 0.90	2 ELUTRIATE (0.5-1.0) + MARINE WATER JOB J656
NQ08/03181	VC-11 $\partial_x \partial = \partial_x g_B$	ELUTRIATE (0.6-1.0) + MARINE WATER JOB J656
NQ08/03182	VC-11 $0.9 - 1.96$	elutriate (1.0-2.0) ,+ marine water Job J656
		V)

Lab Reg No.			NQ08/03180	NQ08/03181	NQ08/03182	
Sample Reference		VC-19	VC-11	VC-11	1	
•	Units	LOR				Method
Trace Elements						
Arsenic	ug/L	2.0	5.4	2.3	7.7	NT247_251
Cadmium	ug/L	0.2	0.23	1	0.27	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	1.8	36	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	2.1	11	1.1	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	28	<4	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

Page: 8 of 14

Report No. RN692159

: LAM LABORATORIES LTD Client

1412 - 1416 HONOUR IND CENTRE

Job No. Quote No. : LAML01/080724

6 SUN YIP STREET

Order No.

: QT-00441

CHAI WAN

Date Sampled:

HONG KONG

Date Received: 24-JUL-2008

Attention

: MAUREEN CHANG

Sampled By

: CLIENT

Project Name

Your Client Services Manager : Brian Woodward

Phone

: (02) 94490151

Lab Reg No.	Sample Ref	Sample Description
NQ08/03183	VC-11 1.7 - 2.712	ELUTRIATE (2.0-2.8) + MARINE WATER JOB J656
NQ08/03184	VC-11 29 - 57m	ELUTRIATE (3.0-4.0) + MARINE WATER JOB J656
NQ08/03185	VC-1 1.9 - 2.9m	ELUTRIATE (2.0-2.8) + MARINE WATER JOB J656
		40

Lab Reg No.			NQ08/03183	NQ08/03184	NQ08/03185	-
Sample Reference			VC-11 VC-11	VC-11	VC-1	
	Units	LOR				Method
Trace Elements	1.					
Arsenic	ug/L	2.0	5.3	<2	58	NT247_251
Cadmium	ug/L	0.2	<0.2	<0.2	1.1	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	<1	1.7	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	2.2	1.4	1.6	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	<4	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

Page: 9 of 14

Report No. RN692159

Client : LAM LABORATORIES LTD

1412 - 1416 HONOUR IND CENTRE

6 SUN YIP STREET

CHAI WAN

HONG KONG

: MAUREEN CHANG

Project Name

Attention

Your Client Services Manager : Brian Woodward

Job No.

: LAML01/080724 : QT-00441 Quote No.

Order No.

Date Sampled:

Date Received: 24-JUL-2008

Sampled By : CLIENT

: (02) 94490151 Phone

Lab Reg No. Sample Ref		Sample Description	
NQ08/03186	VC-23	MARINE WATER JOB J656	
NQ08/03187	VC-21	MARINE WATER JOB J656	
NQ08/03188	VC-33	MARINE WATER JOB J656	

Lab Reg No.			NQ08/03186	NO08/03187	NQ08/03188	
Sample Reference		VC-23 VC-21	VC-33			
	Units	LOR			_	Method
Trace Elements						
Arsenic	ug/L	2.0	<2	<2	<2	NT247_251
Cadmium	ug/L	0.2	<0.2	<0.2	<0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	< 1	NT2_47
Copper	ug/L	1.0	1.7	1.7	1.9	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	<1	<1	<1	NT2_47
Silver	ug/L	1.0	<1	<1	< 1	NT2_47
Zinc	ug/L	4.0	19	<4	<4	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

Page: 10 of 14

Report No. RN692159

: LAM LABORATORIES LTD Client

1412 - 1416 HONOUR IND CENTRE

Job No. Quote No. : LAML01/080724

6 SUN YIP STREET

Order No.

: QT-00441

CHAI WAN

Date Sampled:

Date Received: 24-JUL-2008

HONG KONG

Sampled By

: CLIENT

Attention

: MAUREEN CHANG Project Name

Your Client Services Manager : Brian Woodward

Phone

: (02) 94490151

Lab Reg No. Sample Ref		Sample Description		
NQ08/03189	VC-35	MARINE WATER JOB J656		
NQ08/03190	VC-31	MARINE WATER JOB J656		
NQ08/03191	VC-15	MARINE WATER JOB J656		

Lab Reg No.			NQ08/03189	NQ08/03190	NQ08/03191	
Sample Reference			VC-35 VC-31 VC-	VC-15		
•	Units	LOR			_	Method
Trace Elements						
Arsenic	ug/L	2.0	<2	2.1	<2	NT247_251
Cadmium	ug/L	0.2	<0.2	<0.2	<0.2	NT2_47
Chromium	ug/L	1.0	2.3	<1	<1	NT2_47
Copper	ug/L	1.0	4.3	1.7	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	<1	<1	<1	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	14	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

Page: 11 of 14

Report No. RN692159

: LAM LABORATORIES LTD Client

1412 - 1416 HONOUR IND CENTRE

: LAML01/080724 Job No. Quote No. : QT-00441

6 SUN YIP STREET

Order No.

CHAI WAN

Date Sampled:

Date Received: 24-JUL-2008

HONG KONG : MAUREEN CHANG

Sampled By

: CLIENT

Attention Project Name

Your Client Services Manager : Brian Woodward

Phone

: (02) 94490151

Lab Reg No. Sample Ref		Sample Description	
NQ08/03192	VC-17	MARINE WATER JOB J656	
NQ08/03193	VC-9	MARINE WATER JOB J656	
NQ08/03194	VC-19	MARINE WATER JOB J656	

Lab Reg No.			NQ08/03192	NQ08/03193	NQ08/03194	
Sample Reference			VC-17 VC-9	VC-9	VC-19	
•	Units	LOR				Method
Trace Elements						
Arsenic	ug/L	2.0	<2	<2	<2	NT247_251
Cadmium	ug/L	0.2	<0.2	<0.2	<0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Соррег	ug/L	1.0	<1	<1	<1	NT2_47
Lead	ug/L	1.0	<1	<1	< 1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	<1	<1	< 1	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	16	15	16	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

Page: 12 of 14

Report No. RN692159

: LAM LABORATORIES LTD Client

1412 - 1416 HONOUR IND CENTRE

Job No. Quote No. : LAML01/080724

6 SUN YIP STREET

Order No.

: QT-00441

CHAI WAN

Date Sampled:

Date Received: 24-JUL-2008

HONG KONG

Attention

: MAUREEN CHANG

Sampled By

: CLIENT

Project Name

Your Client Services Manager : Brian Woodward

Phone

: (02) 94490151

Lab Reg No. Sample Ref		Sample Description
NQ08/03195	VC-13	MARINE WATER JOB J656
NQ08/03196	VC-11	MARINE WATER JOB J656
NQ08/03197	VC-7	MARINE WATER JOB J656

Lab Reg No.			NQ08/03195	NQ08/03196	NQ08/03197	
Sample Reference			VC-13	VC-11	VC-7	
	Units	LOR			<u> </u>	Method
Trace Elements				·		
Arsenic	ug/L	2.0	<2	<2	<2	NT247_251
Cadmium	ug/L	0.2	<0.2	< 0.2	<0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	3	NT2_47
Copper	ug/L	1.0	<1	<1	3	NT2_47
Lead	ug/L	1.0	<1	<1	1.2	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	<1	<1	1.5	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	15	15	58	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

Page: 13 of 14

Report No. RN692159

Client : LAM LABORATORIES LTD Job No. : LAML01/080724

1412 - 1416 HONOUR IND CENTRE Quote No. : QT-00441 6 SUN YIP STREET Order No. :

6 SUN YIP STREET Order No. : CHAI WAN Date Sampled :

HONG KONG

Date Received: 24-JUL-2008
Sampled By CLIENT

Attention : MAUREEN CHANG Sampled By : CLIENT

Project Name :

Your Client Services Manager : Brian Woodward Phone : (02) 94490151

Lab Reg No.	Sample Ref	Sample Description	
NQ08/03198	VC-5	MARINE WATER JOB J656	
NQ08/03199	VC-1	MARINE WATER JOB J656	
NQ08/03200	VC-3	MARINE WATER JOB J656	

Lab Reg No.		<u> </u>	NO08/03198	NQ08/03199	NQ.08/03200 VC-3	_
Sample Reference	-		VC-5	VC-1		
•	Units	LOR				Method
Trace Elements	<u> </u>					
Arsenic	ug/L	2.0	<2	<2	2.1	NT247_251
Cadmium	ug/L	0.2	<0.2	<0.2	<0.2	NT2_47
Chromium	ug/L	1.0	3.7	<1	3.6	NT2_47
Соррег	ug/L	1.0	3.9	<1	4.3	NT2_47
Lead	ug/L	1.0	1.5	<1	1.9	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	1.5	<1	1.5	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	79	<4	78	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

7-AUG-2008



This report is issued in accordance with NATA's accreditation requirements.

Accreditated for compliance with ISO/IEC 17025. This report shall not be reproduced except in full. Results relate only to the sample(s) tested.

1 Suakin Street, Pymble NSW 2073 Tel: +61 2 9449 0111 Fax: +61 2 9449 1653 www.measurement.gov.au

Page: 14 of 14

Report No. RN692159

This Report supersedes reports: RN692055

1 Suakin Street, Pymble NSW 2073 Tel: +61 2 9449 0111 Fax: +61 2 9449 1653 www.measurement.gov.au



Australian Government

National Measurement Institute

QUALITY ASSURANCE REPORT

Client:

LAM LABORATORIES

NMI QA Report No:

LAML01/080724

Sample Matrix:

Water

Analyte	Method	LOR	Blank	Duplicates			Recoveries	
•				Sample	Duplicate	RPD	LCS	Matrix Spike
		ug/L	ug/L	ug/L	ug/L	%	%	%
Inorganics Section				NQ08/03200				NQ08/03200
Arsenic	NT2.47/2.51	2	<2	2.0	2.1	5	100	93
Cadmium	NT2.47	0.2	<0.2	<0.2	<0.2	ND	108	92
Chromium	NT2.47	1	<1	3.4	3.8	11	110	90
Copper	NT2.47	1	<1	4.3	4.4	2	108	86
Lead	NT2.47	1	<1	1.8	2.0	11	108	95
Mercury	NT2.47/2.44	0.1	<0.1	<0.1	<0.1	ND	97	110
Nickel	NT2.47	1	<1	1.4	1.6	13	107	89
Silver	NT2.47	1	<1	<1	<1	ND	112	96
Zinc	NT2.47	4	<4	76	79	4	105	85

Filename =

K:\Inorganics\Quality System\QA Reports\TE\QAR2008\Water\

Legend:

Acceptable recovery is 75-120%.

Acceptable RPDs on duplicates is 44% at concentrations >5 times LOR. Greater RPD may be expected at <5 times LOR.

LOR = Limit Of Reporting

ND = Not Determined

RPD = Relative Percent Difference

NA = Not Applicable

LCS = Laboratory Control Sample.

#: Spike level is less than 50% of the sample's concentration, hence the recovery data is not reliable.

Comments:

Results greater than ten times LOR have been rounded to two significant figures.

This report shall not be reproduced except in full.

Signed:

Date:

Dr Michael Wu

Inorganics Manager, NMI-Pymble

7/08/2008



Australian Government

National Measurement Institute



REPORT OF ANALYSIS

Page: 1 of 11

Report No. RN693811

: LAM LABORATORIES LTD Client

1412 - 1416 HONOUR IND CENTRE

Quote No. Order No.

Job No.

: LAML01/080804 : QT-00441

6 SUN YIP STREET CHAI WAN

HONG KONG

Date Sampled:

Date Received: 4-AUG-2008

Attention

: MAUREEN CHANG

Sampled By

: CLIENT

Project Name

Your Client Services Manager : Brian Woodward

Phone

: (02) 94490151

Sample Ref	Sample Description
0.0 - 0 Qm	ELUTRIATE VC-15 (1.0-2.0) + VC15 MARINE
0.77	WATER JOB J656
. 1.9 - 1.9 12	ELUTRIATE VC-15 (2.0-2.8) + VC15 MARINE
11/2 21/1/	WATER JOB J656
	ELUTRIATE VC-17 (0.3-1.0) + VC17 MARINE
6.0 - 0.7m	WATER JOB J656
•	Sample Ref . 0.0 - 0.9 m . 1.9 - 2.9 m . 0.0 - 0.9 m

Lab Reg No.			NQ08/03480	NQ08/03481	NQ08/03482	
Sample Reference					-	
•	Units	LOR				Method
Trace Elements						
Arsenic	ug/L	2.0	9.2	15	3	NT247_251
Cadmium	ug/L	0.2	0.37	0.55	0.22	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	1.9	<1	2.1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	2.1	1.1	2.8	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	. ug/L	4.0	4.9	<4	<4	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

Page: 2 of 11 Report No. RN693811

: LAM LABORATORIES LTD Client

1412 - 1416 HONOUR IND CENTRE

Job No. Quote No. : LAML01/080804

6 SUN YIP STREET

Order No.

: QT-00441

CHAI WAN HONG KONG Date Sampled:

Date Received: 4-AUG-2008

Attention

: MAUREEN CHANG

Sampled By

: CLIENT

Project Name

Your Client Services Manager : Brian Woodward

Phone

: (02) 94490151

Lab Reg No.	Sample Ref	Sample Description
NQ08/03483	· 0.4 -1.9m	ELUTRIATE VC-17 (1.0-2.0) + VC17 MARINE
	$U = I \setminus IM$	WATER JOB J656
NQ08/03484		ELUTRIATE VC-17 (2.0-2.8) + VC17 MARINE
	1.9 - 2.9m	WATER JOB J656
ΝΩ08/03485		ELUTRIATE VC-17 (3.0-4.0) + VC17 MARINE
11233,33133	29 - 5.9m	WATER JOB J656

Lab Reg No.			NQ08/03483	NQ08/03484	NQ08/03485	
Sample Reference		ļ	•			
	Units	LOR				Method .
Trace Elements			-			
Arsenic	ug/L	2.0	27	5.4	2.2	NT247_251
Cadmium	ug/L	0.2	0.48	0.26	<0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	2.3	<1	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	5.7	<1	<1	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	5	<4	<4	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

Page: 3 of 11 Report No. RN693811

: LAM LABORATORIES LTD Client

1412 - 1416 HONOUR IND CENTRE

Job No. Quote No.

: LAML01/080804 : QT-00441

6 SUN YIP STREET

Order No.

CHAI WAN HONG KONG Date Sampled:

Date Received: 4-AUG-2008

: MAUREEN CHANG Attention

Sampled By

: CLIENT

Project Name

Your Client Services Manager : Brian Woodward

Phone

: (02) 94490151

Lab Reg No.	Sample Ref	Sample Description
NQ08/03486	· 0.9 - 19m	ELUTRIATE VC-19 (1.0-2.0) + VC19 MARINE
	0, 1 = 1,1m	WATER JOB J656
NQ08/03487	· 19 - 29m	ELUTRIATE VC-19 (2.0-2.8) + VC19 MARINE
14200,00407	· 13 / 110	WATER JOB J656
NQ08/03488	0	ELUTRIATE VC-19 (3.0-4.0) + VC19 MARINE
11000/03400	· 29 - 39m	WATER JOB J656 W
		WATERTOOD COCC.

Lab Reg No.			NQ08/03486	NQ08/03487	NQ08/03488	
Sample Reference				•	-	
•	Units	LOR		<u> </u>		Method
Trace Elements				. <u>. </u>		
Arsenic	ug/L	2.0	19	4.5	4.7	NT247_251
Cadmium	ug/L	0.2	0.61	0.63	0.28	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	2.1	1.1	1.4	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	1.4	1.3	2.8	NT2_47
Silver	ug/L	1.0	<1	4.8	<1	NT2_47
Zinc	ug/L	4.0	<4	4.4	4.6	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

Page: 4 of 11 Report No. RN693811

Client : LAM LABORATORIES LTD Job No. : LAML01/080804 1412 - 1416 HONOUR IND CENTRE Quote No. : QT-00441

6 SUN YIP STREET Order No.

CHAI WAN

HONG KONG

Date Sampled:
Date Received: 4-AUG-2008

Attention : MAUREEN CHANG Sampled By : CLIENT

Project Name :
Your Client Services Manager : Brian Woodward Phone : (02) 94490151

Lab Reg No. Sample Ref		Sample Description			
NQ08/03489	· 0.0.0.9m	ELUTRIATE VC-13 (0.3-1.0) + VC13 MARINE			
	U.U. 0.7M	WATER JOB J656			
NQ08/03490	. 32 .0	ELUTRIATE VC-13 (1.0-2.0) + VC13 MARINE			
	· 0.9 - 1.9m	WATER JOB J656			
NQ08/03491		ELUTRIATE VC-13 (2.0 2.8) + VC13 MARINE			
	1.9 - 2.901.	WATER JOB J656 VO			

Lab Reg No.			NQ08/03489	NQ08/03490	NQ08/03491	
Sample Reference						
	Units	LOR				Method
Trace Elements						
Arsenic	ug/L	2.0	<2	7.6	2.6	NT247_251
Cadmium	ug/L	0.2	0.26	0.28	<0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	<1	2.7	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	<1	1.2	1.4	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	4.3	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

Page: 5 of 11

Client : LAM LABORATORIES LTD

1412 - 1416 HONOUR IND CENTRE

Job No. Quote No.

Report No. RN693811 : LAML01/080804

6 SUN YIP STREET

Order No.

: QT-00441

CHAI WAN

Date Sampled:

HONG KONG

Your Client Services Manager : Brian Woodward

Date Received: 4-AUG-2008 Sampled By

: CLIENT

Attention

Project Name

: MAUREEN CHANG

Phone

: (02) 94490151

Lab Reg No.	Sample Ref	Sample Description		
NQ08/03492	· 29-5.9m	ELUTRIATE VC-13 (3.0 4.0) + VC13 MARINE		
	21 - 5. JM	WATER JOB J656		
NQ08/03493	· 00 - 0.9m	ELUTRIATE VC-7 (0.1-1.0) + VC7 MARINE		
	a. 0 = 0.71%	WATER JOB J656		
NQ08/03494		ELUTRIATE VC-7 (1.0-2.0) + VC7 MARINE		
	0.9 - 1.7	M WATER JOB J656		

Lab Reg No.		LOR	NQ08/03492	NQ08/03493	NQ08/03494	Method
Sample Reference						
-	Units					
Trace Elements						
Arsenic	ug/L	2.0	<2	13	30	NT247_251
Cadmium	ug/L	0.2	<0.2	<0.2	0.27	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	<1	1.4	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	3.1	1.3	<1	NT2_47
Silver	ug/L	1.0	<1	<1	< 1	NT2_47
Zinc	ug/L	4.0	<4	<4	<4	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

Page: 6 of 11

Report No. RN693811

Client : LAM LABORATORIES LTD

1412 - 1416 HONOUR IND CENTRE

6 SUN YIP STREET

CHAI WAN

HONG KONG

: MAUREEN CHANG

Project Name

Attention

Your Client Services Manager : Brian Woodward

Job No.

: LAML01/080804 Quote No.

: QT-00441

Order No.

Date Sampled:

Date Received: 4-AUG-2008

Sampled By

: CLIENT

Phone : (02) 94490151

Lab Reg No.	Sample Ref	Sample Description
NQ08/03495	1-9-2901	ELUTRIATE VC-7 (2.0-2.8) + VC7 MARINE
	1-1- 2-178	WATER JOB J656
NQ08/03496	· 29- 59m	ELUTRIATE VC-7 (3.1-4.0) + VC7 MARINE
	21- 5.1m	WATER JOB J656
NQ08/03497		ELUTRIATE VC-5 (0.5-1.0) + VC5 MARINE
	0.0-0.9m,	WATER JOB J656

Lab Reg No.	Units	LOR	NQ08/03495	NQ08/03496	NQ08/03497	Method
Sample Reference						
Trace Elements						-
Arsenic	ug/L	2.0	<2	<2	2.8	NT247_251
Cadmium	ug/L	0.2	<0.2	0.21	0.38	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	<1	<1	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	1.7	1.4	2.4	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	<4	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

Page: 7 of 11

Report No. RN693811

Client : LAM LABORATORIES LTD

1412 - 1416 HONOUR IND CENTRE

Job No. Quote No. : LAML01/080804 : QT-00441

6 SUN YIP STREET CHAI WAN

Order No.

Date Sampled:

Date Received: 4-AUG-2008

HONG KONG : MAUREEN CHANG Attention

Sampled By

: CLIENT

Project Name

Your Client Services Manager : Brian Woodward

Phone

: (02) 94490151

Lab Reg No.	Sample Ref	Sample Description
NQ08/03498	· 0.9 -1.9m	ELUTRIATE VC-5 (1.0-2.0) + VC5 MARINE
	0.7 -1.11	WATER JOB J656
NQ08/03499	. 19 20	ELUTRIATE VC-5 (2.0-2.8) + VC5 MARINE
-	· 1.9 - 2.9m	WATER JOB J656
NQ08/03500		ELUTRIATE VC-5 (3.0-4.0) + VC5 MARINE
	2.9 - 5.9m	WATER JOB J656

Lab Reg No.	Units		NQ08/03498	NQ08/03499	NQ08/03500	Method
Sample Reference						
		LOR				
Trace Elements	•		•	. 1	•	•
Arsenic	ug/L	2.0	3	22	5.4	NT247_251
Cadmium	ug/L	0.2	0.23	0.22	<0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	1.4	<1	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	1.3	<1	<1	NT2_47
Silver	ug/L	1.0	<1	<1 .	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	<4	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

Page: 8 of 11

Report No. RN693811

Client : LAM LABORATORIES LTD

1412 - 1416 HONOUR IND CENTRE

6 SUN YIP STREET

CHAI WAN

HONG KONG

: MAUREEN CHANG

Attention

Project Name

Your Client Services Manager : Brian Woodward

Job No.

: LAML01/080804

Quote No. : QT-00441 Order No.

Date Sampled:

Date Received: 4-AUG-2008

Sampled By

: CLIENT

Phone : (02) 94490151

Lab Reg No.	Sample Ref	Sample Description		
NQ08/03501	· 0.0-0.9m	ELUTRIATE VC-1 (0.1-1.0) + VC1 MARINE WATER JOB J656		
NQ08/03502	0.9-1.9m	ELUTRIATE VC-1 (1.0-2.0) + VC1 MARINE WATER JOB J656		
NQ08/03503	· 2-9 - 5-9,n	ELUTRIATE VC-1 (3.0-4.0) + VC1 MARINE WATER JOB J656		

Lab Reg No.	Units	LOR	NQ08/03501	NQ08/03502	NQ08/03503	Method
Sample Reference						
Arsenic	ug/L	2.0	7.7	<2	29	NT247 251
Cadmium	ug/L	0.2	0.23	0.24	0.51	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2 47
Copper	ug/L	1.0	1.5	2.4	<1	NT2_47
Lead	ug/L	1.0	6.2	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	2.4	5.7	<1	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	13	11	<4	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

Page: 9 of 11

Report No. RN693811

Client : LAM LABORATORIES LTD

1412 - 1416 HONOUR IND CENTRE

Job No. Quote No. : LAML01/080804

6 SUN YIP STREET

Order No.

: QT-00441

CHAI WAN

Date Sampled:

Date Received: 4-AUG-2008

Attention

HONG KONG : MAUREEN CHANG

Sampled By

: CLIENT

Project Name

Your Client Services Manager : Brian Woodward

Phone

: (02) 94490151

Sample Ref	Sample Description
' 00 00	ELUTRIATE VC-3 (0.4-1.0) + VC3 MARINE
U.G U. 911	WATER JOB J656
•	ELUTRIATE VC-3 (1.0-2.0) + VC3 MARINE
0-9 - 1-9m	WATER JOB J656
	ELUTRIATE VC-3 (2:0-2:8) + VC3 MARINE
14-29m	WATER JOB J656
	Sample Ref ' 0.0-0.9m ' 0.9-1.9m ' 1.9-2.9m

Lab Reg No.			NQ08/03504	NQ08/03505	NQ08/03506	
Sample Reference			•		7	
	Units	LOR	İ			Method
Trace Elements	•		•	I	•	•
Arsenic	ug/L	2.0	<2	<2	33	NT247_251
Cadmium	ug/L	0.2	0.21	<0.2	0.27	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	1.5	<1	<1	NT2_47
Lead	ug/L	1.0	<1	1.1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	2.9	2.8	1.1	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	<4	NT2 47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

18-AUG-2008

Page: 10 of 11

Report No. RN693811

Client : LAM LABORATORIES LTD

1412 - 1416 HONOUR IND CENTRE

6 SUN YIP STREET

CHAI WAN

HONG KONG

Attention : MAUREEN CHANG

Project Name

Your Client Services Manager : Brian Woodward

Job No. : LAML01/080804

Quote No. : QT-00441 Order No. :

Date Sampled:

Date Received: 4-AUG-2008

Sampled By : CLIENT

Phone

: (02) 94490151

Lab Reg No.	Sample Ref	Sample Description
NQ08/03507	. 7 ()	ELUTRIATE VC-3 (3.0-4.0) + VC3 MARINE
	4.9 - 5.4m	WATER JOB J656

Lab Reg No.			NQ08/03507	"
Sample Reference				
	Units	LOR		Method
Trace Elements	<u> </u>		1	
Arsenic	ug/L	2.0	3.8	NT247_251
Cadmium	ug/L	0.2	<0.2	NT2_47
Chromium	ug/L	1.0	<1	NT2_47
Copper	ug/L	1.0	<1	NT2_47
Lead	ug/L	1.0	<1	NT2_47
Mercury	ug/L	0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	1.1	NT2_47
Silver	ug/L	1.0	<1	NT2_47
Zinc	ug/L	4.0	<4	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

18-AUG-2008



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1 Suakin Street, Pymble NSW 2073 Tel: +61 2 9449 0111 Fax: +61 2 9449 1653 www.measurement.gov.au

Page: 11 of 11 Report No. RN693811

This Report supersedes reports: RN693726

1 Suakin Street, Pymble NSW 2073 Tel: +61 2 9449 0111 Fax: +61 2 9449 1653 www.measurement.gov.au

National Measurement Institute



Australian Government

National Measurement Institute

QUALITY ASSURANCE REPORT

Client:

LAM LABORATORIES

NMI QA Report No:

LAML01/080804

Sample Matrix:

Water

Analyte	Method	LOR	Blank		Duplicates		Recoveries		
				Sample	Duplicate	RPD	LCS	Matrix Spike	
		ug/L	ug/L	ug/L	ug/L	%	%	%	
Inorganics Section		-		NQ08/03489				NQ08/03489	
Arsenic	NT2.47/2.51	2	<2	<2	<2	ND	100	107	
Cadmium	NT2.47	0.2	<0.2	0.25	0.27	8	110	92	
Chromium	NT2.47	1	<1	<1	<1	ND	108	98	
Copper	NT2.47	1	<1	<1	<1	ND	114	94	
Lead	NT2.47	1	<1	<1	<1	ND	98	95	
Mercury	NT2.47/2.44	0.1	<0.1	<0.1	<0.1	ND	92	88	
Nickel	NT2.47	1	<1	<1	<1	ND	107	91	
Silver	NT2.47	1	<1	<1	<1	ND	102	95	
Zinc	NT2.47	4	<4	<4	<4	ND	94	99	
			T				•		

Filename =

K:\Inorganics\Quality System\QA Reports\TE\QAR2008\Water\

Legend:

Acceptable recovery is 75-120%.

Acceptable RPDs on duplicates is 44% at concentrations >5 times LOR. Greater RPD may be expected at <5 times LOR.

LOR = Limit Of Reporting

ND = Not Determined

RPD = Relative Percent Difference

NA = Not Applicable

LCS = Laboratory Control Sample.

#: Spike level is less than 50% of the sample's concentration, hence the recovery data is not reliable.

Comments:

Results greater than ten times LOR have been rounded to two significant figures.

This report shall not be reproduced except in full.

Signed:

Date:

Dr Michael Wu

Inorganics Manager, NMI-Pymble

18/08/2008



Australian Government

National Measurement Institute



REPORT OF ANALYSIS

Page: 1 of 4 Report No. RN693945

Client

: LAM LABORATORIES LTD

1412 - 1416 HONOUR IND CENTRE

6 SUN YIP STREET

CHAI WAN

HONG KONG

: MAUREEN CHANG

Project Name

Attention

Your Client Services Manager : Brian Woodward

Job No.

: LAML01/080805

Quote No. Order No.

: QT-00441

Date Sampled:

Date Received: 5-AUG-2008

Sampled By

: CLIENT

: (02) 94490151 Phone

Lab Reg No.	Sample Ref	Sample Description
NQ08/03515	VC-33B	MARINE WATER JOB J656
NQ08/03516	VC-1A	MARINE WATER JOB J656
NQ08/03517		ELUTRIATE VC-1A (0.2 1.0) + VC1A MARINE
	0.0-0.9m	WATER JOB J656 ✓D

Lab Reg No.			NQ08/03515	NQ08/03516	NQ08/03517]
Sample Reference			VC-33B	VC-1A	-	1
	Units	LOR				Method
Trace Elements	<u></u> i.					
Arsenic	ug/L	2.0	<2	<2	9.7	NT247_251_
Cadmium	ug/L	0.2	<0.2	<0.2	<0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	<1	<1	<1	NT2_47
Lead	ug/L	1.0	<1	1.2	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	<1	2.2	5.4	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	9.5	13	11	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

19-AUG-2008

Page: 2 of 4

Report No. RN693945

Client : LAM LABORATORIES LTD

1412 - 1416 HONOUR IND CENTRE

6 SUN YIP STREET

CHA! WAN

HONG KONG

: MAUREEN CHANG Attention

Project Name

Your Client Services Manager : Brian Woodward

Job No.

: LAML01/080805 : QT-00441

Quote No.

Order No.

Date Sampled:

Date Received: 5-AUG-2008

Sampled By

: CLIENT

: (02) 94490151 Phone

Lab Reg No.	Sample Ref	Sample Description
NQ08/03518	. 20 10	ELUTRIATE VC-1A (1.0-2.0) + VC1A MARINE
	0.9-1.97	WATER JOB J656
NQ08/03519	(1)	ELUTRIATE VC-1A (2.0-2.8) + VC1A MARINE
	1.9 - 2.9/1	WATER JOB J656
NQ08/03520		ELUTRIATE VC-1A (3.0-4.0) + VC1A MARINE
	2.9-5.9m	WATER JOB J656 \⊅

Lab Reg No.			NQ08/03518	NQ.08/03519	NQ08/03520	_j
Sample Reference			•			
	Units	LOR			1	Method
Trace Elements						
Arsenic	ug/L	2.0	<2	<2	<2	NT247_251
Cadmium	ug/L	0.2	0.28	0.21	<0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	<1	NT2_47
Copper	ug/L	1.0	<1	< 1	<1	NT2_47
Lead	ug/L	1.0	<1	<1	<1	NT2_47
Mercury	ug/L	0.1	<0.1	<0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	<1	10	17	NT2_47
Silver	ug/L	1.0	<1	<1	<1	NT2_47
Zinc	ug/L	4.0	<4	<4	<4	NT2 47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

19-AUG-2008

Page: 3 of 4

Report No. RN693945

: LAM LABORATORIES LTD Client

1412 - 1416 HONOUR IND CENTRE

Job No. Quote No. : LAML01/080805

6 SUN YIP STREET

Order No.

: QT-00441

CHAI WAN

Date Sampled:

Date Received: 5-AUG-2008

HONG KONG : MAUREEN CHANG

Sampled By

: CLIENT

Attention

Project Name

Your Client Services Manager : Brian Woodward

Phone

: (02) 94490151

Lab Reg No.	Sample Ref	Sample Description
NQ08/03521	: 20 -0	ELUTRIATE VC-33B (3.0-4.0) + VC33B MARINE
	2.9-5-9m	WATER JOB J656
NQ08/03522	_	ELUTRIATE VC-33B (6.0-6.8) + VC33B MARINE
11400,00022	5-9 - 3.9m	WATER JOB J656
	· · · · · · · · · · · · · · · · · · ·	

Lab Reg No.			NQ08/03521	NQ08/03522	
Sample Reference	· · ·				
	Units	LOR			Method
Trace Elements					
Arsenic	ug/L	2.0	<2	<2	NT247_251
Cadmium	ug/L	0.2	<0.2	<0.2	NT2_47
Chromium	ug/L	1.0	<1	<1	NT2_47
Copper	ug/L	1.0	<1	<1	NT2_47
Lead	ug/L	1.0	<1	<1	NT2_47
Mercury	ug/L	0.1	< 0.1	<0.1	NT2_47_244
Nickel	ug/L	1.0	1.9	2.3	NT2_47
Silver	ug/L	1.0	<1	<1	NT2_47
Zinc .	ug/L	4.0	<4	<4	NT2_47

Anna Zheng, Analyst Inorganics - NSW Accreditation No. 198

19-AUG-2008



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Page: 4 of 4 Report No. RN693945

This Report supersedes reports: RN693912



Australian Government

National Measurement Institute

QUALITY ASSURANCE REPORT

Client:

LAM LABORATORIES

NMI QA Report No:

LAML01/080804 LAML01/080805 Sample Matrix:

Water

Method	LOR	Blank	Duplicates			Recoveries	
111001100	LON DIAME	Sample	Duplicate	RPD	LCS	Matrix Spike	
 	ug/l	uall	<u> </u>		%	%	%
	uy/L	ug/L					NQ08/03489
1.175 476 54		 _			ND	100	107
		1					92
NT2.47	0.2	<0.2	0.25				98
NT2.47	1	<1	<1	<u> </u>	_ · · · · -		
NT2.47	1	<1	<1	<1			94
	<u> </u>	1 3	<1	<1	ND		95
1	0.1	<0.1	<0.1	<0.1	ND	92	88
			<1	<1	ND	107	91
				1	ND	102	95
	1			ļ.—.————			99
NT2.47	4	<4	<4	<4	עאו	94	
		NT2.47 0.2 NT2.47 1 NT2.47 1 NT2.47 1 NT2.47 1 NT2.47/2.44 0.1 NT2.47 1 NT2.47 1	NT2.47/2.51 2 <2 NT2.47 0.2 <0.2 NT2.47 1 <1 NT2.47/2.44 0.1 <0.1 NT2.47 1 <1 NT2.47 1 <1	ug/L ug/L ug/L NQ08/03489 NT2.47/2.51 2 <2	ug/L ug/L ug/L ug/L NT2.47/2.51 2 <2	Ug/L Ug/L Ug/L Ug/L Ug/L Wg/L Wg/L	Ug/L Ug/L Ug/L Ug/L Ug/L W/S W/S

Filename =

\\PINS4VFI01\Home\az2005\

Legend:

Acceptable recovery is 75-120%.

Acceptable RPDs on duplicates is 44% at concentrations >5 times LOR. Greater RPD may be expected at <5 times LOR.

LOR = Limit Of Reporting

ND = Not Determined

RPD = Relative Percent Difference

NA = Not Applicable

LCS = Laboratory Control Sample.

#: Spike level is less than 50% of the sample's concentration, hence the recovery data is not reliable.

Comments:

Results greater than ten times LOR have been rounded to two significant figures.

This report shall not be reproduced except in full.

Signed:

Inorganics Manager, NMI-Pymble

19/08/2008

Date:

PAHs

Report No.

: 106780N

Project Name

: Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

: Gammon Construction Limited

Address

: 28/F Devon House, Taikoo Place, 979 King's Road, Hong Kong.

Lab Job No.

: J656

Lab Sample No.

: 21084, 21126, 21129, 21174

Sample Description

: 18 liquid samples said to be saline water

Sample Receipt Date Test Period

: 18 June 2008 - 24 July 2008 : 23 June 2008 - 7 August 2008

Test Information

1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs

CODE	Test Parameter	Reporting Limit	Test Procedure
		ug/L	
NAP	Naphthalene	0.20	W/O/PAH
ANY	Acenaphthylene	0.20	W/O/PAH
ANA	Acenaphthene	0.20	W/O/PAH
FLU	Fluorene	0.20	W/O/PAH
PHE	Phenanthrene	0.20	W/O/PAH
ANT	Anthracene	0.20	W/O/PAH
LMW PAH	Total LMW PAH	0.20	W/O/PAH

2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs

CODE	Test Parameter	Reporting Limit	Test Procedure
		ug/L	
CHR	Chrysene	0.20	W/O/PAH
BaA	Benzo(a)anthracene	0.20	W/O/PAH
BbF	Benzo(b)fluoranthene	0.20	W/O/PAH
BkF	Benzo(k)fluoranthene	0.20	W/O/PAH
BaP	Benzo(a)pyrene	0.20	W/O/PAH
DBA	Dibenz(ah)anthracene	0.20	W/O/PAH
FLT	Fluoranthene	0.20	W/O/PAH
IPY	Indeno(1,2,3-cd)pyrene	0.20	W/O/PAH
PYR	Pyrene	0.20	W/O/PAH
BPE	Benzo(ghi)perylene	0.20	W/O/PAH
HMW PAH	Total HMW PAH	0.20	W/O/PAH

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. < = less than
- 4. N/A = Not applicable
- 5. Test results satisfy all in-house QA/QC protocols as attached.
- Test description (for in-house methods) as follows: W/O/PAH: Solvent extraction and GC-MS Quantification.
- 7. Total LMW PAH Equals to the sum of NAP,ANY,ANA,FLU,PHE,ANT.
- 8. 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: 25 Aug. 2008

Lam Laboratories Limited

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

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Report No.

106780N

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

Test Results

1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs

Customer Ref.	Sample			ple		NAP	ANY	ANA	FLU	PHE	ANT	LMW
Drillhole No.		epth, r	n	Туре	Specimen							PAH
	No.	From	To		Depth m	ug/L						
VC-37	N/A	N/A	N/A		_N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-23	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-21	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-33	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-35	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-31	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-15	N/A	N/A	N/A		N/A_	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-17	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-9	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-19	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-13	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-11	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-7	N/A	N/A	N/A	<u> </u>	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-5	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-1	N/A	N/A	N/A	ļ <u></u>	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-3	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-33B	N/A	N/A	N/A	<u> </u>	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-1A	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

Report No.

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Project Name

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from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

Test Results

2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs

Customer Ref.			Sam	ole		CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE	HMW
Drillhole No.		epth, i	n	Туре	Specimen											PAH
	No.	From	То		Depth m	ug/L										
VC-37	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0,20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-23	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-21	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0,20	<0.20
VC-33	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-35	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-31	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-15	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-17	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-9	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-19	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-13	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-11	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-7	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-5	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-1	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-3	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-33B	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VC-1A	N/A	N/A	N/A		N/A		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

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

Report No.

106780N

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs

1.1 Sample Duplicate

Customer Ref.			Samp	ole			NAP	ANY	ANA	FLU	PHE	ANT
Drillhole No.		epth, m	1	Туре	Specimen	Batch			ŀ			
	No.	From	То		Depth m		%	%	%	%	%	%
	N/A	N/A	N/A		N/A	1	na*	na*	na*	na*	na*	na*
VC-37	j											
										[
		l										
								:				-
	Contro	I Limits						+/-	30 % c	f the me	ean	

1.2 Sample Spike (Spike Level = 5 ug)

Customer Ref.			Samp	ole			NAP	ANY	ANA	FLU	PHE	ANT
Drillhole No.	D	epth, m	1	Туре	Specimen	Batch						
	No.	From	То		Depth m		%	%	%	%	%	%
	N/A	N/A	N/A		N/A	1	113	105	111	97	115	96
VC-23												
	Contro	l Limits	1						70 - 1	30 %		

Notes:

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

Authorized Signatory

Issue Date: 25 Aug. 2008

/Worlg Yau Tim (Operations Manager)

Lam Laboratories Limited

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

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Ground Investigations Works for installation of

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Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs

2.1 Sample Duplicate

Customer Ref.			Samp	le			CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE
Drillhole No.	D	epth, m		Туре	Specimen	Batch										
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%	%
	N/A	N/A	N/A		N/A	1	па*	па*	na*	na*	na*	na*	na*	na*	na*	na*
VC-37																
		<u> </u>		<u> </u>												
	Contro	Limits					1			+/- 30) % of	the n	nean			

2.2 Sample Spike (Spike Level = 5 ug)

Customer Ref.			Samp	le			CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE
Drillhole No.	De	epth, m		Туре	Specimen	Batch										
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%	%
	N/A	N/A	N/A		N/A	1	100	108	119	104	110	113	119	114	107	103
VC-23																
1																
														l		
	Contro							70 - 1	30 %							

Notes:

Report No.

106780N

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

: Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs

1.3 QC Sample (Spike Level = 5 ug)

Customer Ref.			Sam	ple			NAP	ANY	ANA	FLU	PHE	ANT
Drillhole No.		Depth, i	n	Туре	Specimen	Batch						
	No.	From	То		Depth m		%	%	%	%	%	%
LCS	N/A				N/A	1	96	103	102	95	109	101
	ļ				·				-			
	C	ontrol l	Limits	<u> </u>				l	70 - 1	30 %	<u> </u>	<u></u>

1.4 Method Blank

Customer Ref.			Sam	ple			NAP	ANY	ANA	FLU	PHE	ANT
Drillhole No.		Depth, r	n	Type	Specimen	Batch						
	No.	From	То		Depth m		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
N/A	N/A	N/A N/A N/A			N/A	1	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
, 												
								,				
											<u> </u>	
	С	ontrol i	imits					Less	than re	eporting	limit	

Notes:

Report No.

106780N

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs

2.3 QC Sample (Spike Level = 5 ug)

Customer Ref.			Samp	le			CHR	BaA	BbF	BkF	BaP	DBA	FLT	ΙΡΥ	PYR	BPE
Drillhole No.	D	epth, m		Туре	Specimen	Batch										
	No.	From	þ]	Depth m		%	%	%	%	%	%	%	%	%	%
LCS	N/A	N/A	N/A		N/A	1	96	111	106	85	108	113	108	114	.92	90
	Co	ntrol Lir	nits		<u></u>						70 - 1	30 %				

2.4 Method Blank

Customer Ref.			Samp	le			CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE
Drillhole No.	De	epth, m		Туре	Specimen	Batch										
	No.	From	То		Depth m		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
N/A	N/A	N/A	N/A		N/A	1										<0.20
			-													
				-											_	
	Cor	ntrol Lir	nits	l						Less t	han re	portin	g limi:	<u> </u>		

Notes:

Report No.

: 106776N(1)

Project Name

: Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

: Gammon Construction Limited

Address

Lab Job No.

: 28/F Devon House, Taikoo Place, 979 King's Road, Hong Kong.

Lab Sample No.

: 21084, 21126, 21129, 21174

Sample Description

: 73 elutriate samples said to be saline water

Sample Receipt Date : 18 June 2008 - 24 July 2008

Test Period

: 23 June 2008 - 7 August 2008

Test Information

1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs

CODE	Test Parameter	Reporting Limit	Test Procedure
		ug/L	
NAP	Naphthalene	0.20	W/O/PAH
ANY	Acenaphthylene	0.20	W/O/PAH
ANA	Acenaphthene	0.20	W/O/PAH
FLU	Fluorene	0.20	W/O/PAH
PHE	Phenanthrene	0.20	W/O/PAH
ANT	Anthracene	0.20	W/O/PAH
LMW PAH	Total LMW PAH	0.20	W/O/PAH

2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs

CODE	Test Parameter	Reporting Limit	Test Procedure
		ug/L	
CHR	Chrysene	0.20	W/O/PAH
BaA	Benzo(a)anthracene	0.20	W/O/PAH
BbF	Benzo(b)fluoranthene	0.20	W/O/PAH
BkF	Benzo(k)fluoranthene	0.20	W/O/PAH
BaP	Benzo(a)pyrene	0.20	W/O/PAH
DBA	Dibenz(ah)anthracene	0.20	W/O/PAH
FLT	Fluoranthene	0.20	W/O/PAH
IPY	Indeno(1,2,3-cd)pyrene	0.20	W/O/PAH
PYR	Pyrene	0.20	W/O/PAH
BPE	Benzo(ghi)perylene	0.20	W/O/PAH
HMW PAH	Total HMW PAH	0.20	W/O/PAH

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. < = less than
- 4. N/A = Not applicable
- 5. Test results satisfy all in-house QA/QC protocols as attached.
- 6. Test description (for in-house methods) as follows: W/O/PAH: Solvent extraction and GC-MS Quantification.
- 7. The elutriate samples were prepared according to contract agreed procedure.
- 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.
- 10. This report superseds the one, 106776N, dated 25/8/2008.

Authorized Signatory

Issue Date: 18 Sept. 2008

√lo∕ng/Yau Ti√m (Operations Manager)

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Report No.

106776N(1)

Project Name

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Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

<u>21084, 21126, 21129, 21174</u>

Test Results

1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs

Customer Ref.			Sam	ple		NAP	ANY	ANA	FLU	PHE	ANT	LMW
Drillhole No.		Depth, r	n	Type	Specimen							PAH
	No.	From	To]	Depth m	ug/L						
Elutriate VC-37(0.0-0.9m)+VC-37												·
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-37(0.9-1.9m)+VC-37												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-37(1.9-2.9m)+VC-37												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-37(2.9-5.9m)+VC-37												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-37(5.9-8.9m)+VC-37						1						
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-35(0.0-0.9m)+VC-35	Ì					-						
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-35(0.9-1.9m)+VC-35	ļ							l .				
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-35(1.9-2.9m)+VC-35							İ					
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-35(2.9-5.9m)+VC-35												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-35(5.9-8.9m)+VC-35												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-31(0.0-0.9m)+VC-31												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-31(0.9-1.9m)+VC-31		1 1					İ					
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-31(1.9-2.9m)+VC-31												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-31(2.9-5.9m)+VC-31		1										
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-31(5.9-8.9m)+VC-31												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-21(0.0-0.9m)+VC-21					:							
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-21(0.9-1.9m)+VC-21] .					'					
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-21(1.9-2.9m)+VC-21				1								
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-21(2.9-5.9m)+VC-21												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-33(0.0-0.9m)+VC-33												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

Report No.

106776N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

Test Results

1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs

Customer Ref.			Sam	ple		NAP	ANY	ANA	FLU	PHE	ANT	LMW
Drillhole No.		epth, r	n	Type	Specimen							PAH
	No.	From	То		Depth m	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Elutriate VC-33(0.9-1.9m)+VC-33												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-33(1.9-2.9m)+VC-33												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-23(0.0-0.9m)+VC-23												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-23(0.9-1.9m)+VC-23					-							
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-23(1.9-2.9m)+VC-23												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-23(2.9-5.9m)+VC-23												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-23(5.9-8.9m)+VC-23												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-3(0.0-0.9m)+VC-3						1			Ì			
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-3(0.9-1.9m)+VC-3												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-3(1.9-2.9m)+VC-3		1										
marine water	N/A	N/A	N/A	ļ	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-3(2.9-5,9m)+VC-3												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-5(0.0-0.9m)+VC-5]								
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-5(0.9-1.9m)+VC-5								!				
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-5(1.9-2.9m)+VC-5												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-5(2.9-5.9m)+VC-5								-				į
marine water	N/A	N/A	N/A	<u> </u>	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-1(0.0-0.9m)+VC-1							[1
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-1(0.9-1.9m)+VC-1							1					
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-1(1.9-2.9m)+VC-1					Ì]			
marine water	N/A	N/A	N/A	<u> </u>	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-1(2.9-5.9m)+VC-1				-								
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-11(0.0-0.9m)+VC-11												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	 < 0.20	<0.20	<0.20	<0.20

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21084, 21126, 21129, 21174

Test Results

1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs

Customer Ref.			Sam	ple		NAP	ANY	ANA	FLU	PHE	ANT	LMW
Drillhole No.		epth, r	n	Туре	Specimen							PAH
	No.	From	То		Depth m	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Elutriate VC-11(0.9-1.9m)+VC-11												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-11(1.9-2.9m)+VC-11												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-11(2.9-5.9m)+VC-11												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-7(0.0-0.9m)+VC-7												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-7(0.9-1.9m)+VC-7												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-7(1.9-2.9m)+VC-7												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-7(2.9-5.9m)+VC-7												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-9 (1.9-2.9m)+VC-9												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-9 (2.9-5.9m)+VC-9												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-19(0.0-0.9m)+VC-19												
marine water	N/A	N/A	N/A	<u> </u>	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-19(0.9-1.9m)+VC-19												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-19(1.9-2.9m)+VC-19	 											10.00
marine water	N/A	N/A	N/A	ļ <u> </u>	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-19(2.9-5.9m)+VC-19											-0.00	-0.00
marine water	N/A	N/A	N/A	ļ	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-13(0.0-0.9m)+VC-13								-0.00	-0.00		-0.00	-0.00
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-13(0.9-1.9m)+VC-13					NI/A	-0.00	-0.00	-0.00	-0.00		-0.00	* 0.00
marine water	N/A	N/A	N/A	ļ	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-13(1.9-2.9m)+VC-13			NI/A		NI/A	-0.00	40.00	-0.00	-0.00	-0.00	-0.00	-0.00
marine water	N/A	N/A	N/A	-	N/A	<0.20	<u>~∪.∠∪</u>	<u> </u>	<u>~U.ZU</u>	<u> ~U.ZU</u>	<0.20	<0.20
Elutriate VC-13(2.9-5.9m)+VC-13	N//A	NICE	NI/A		N/A		-0.20	-0.20	-0.20	_0 20	<0.20	<0.20
marine water	N/A	N/A	N/A		N/A	<u>~0.20</u>	~∪.∠∪	<u> </u>	<u> </u> ~∪.∠∪	- 0.20	1-0.20	<u>~0.20</u>
Elutriate VC-15(0.0-0.9m)+VC-15	NI/A	NI/A	B)/A		NI/A	-0.20	-0.20	-0.20	-n 2n	-0.20	~0.20	<0.20
marine water	N/A	N/A	N/A	 	N/A	<0.20	<u> </u>	<u> </u>	~0.20	\ <u>0.20</u>	<0.20	<0.∠0
Elutriate VC-15(0.9-1.9m)+VC-15	L NUA	NI/A	NIZA		l N/A	_0.00	-n 20	-0.20	-0.20	-0.20	_0 20	<0.20
marine water	N/A	N/A	N/A	-	N/A	< 0.∠0	<u>~∪.∠∪</u>	<∪.∠∪	<u>~u.∠u</u>	<u> ~U.ZU</u>	<0.20	<u>~0.20</u>
Elutriate VC-15(1.9-2.9m)+VC-15	N/A	NI/A	NIZA		N/A	-0.20	-0.20	-0.20	-0.20	-0.20	~n 2n	<0.20
marine water	N/A	N/A	N/A	<u> </u>	N/A	J <u>~</u> ∪.∠U	~ ∪.∠∪	NU.20	<u> </u> ~0.∠0	1-0.20	<0.20	<u>~0.20</u>

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Test Results

1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs

Customer Ref.			Sam	ple		NAP	ANY	ANA	FLU	PHE	ANT	LMW
Drillhole No.		epth, r	n	Туре	Specimen							PAH
	No.	From	То		Depth m	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Elutriate VC-15(2.9-5.9m)+VC-15												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-17 (0.0-0.9m)+VC-17												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-17 (0.9-1.9m)+VC-17												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-17 (1.9-2.9m)+VC-17												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-17 (2.9-5.9m)+VC-17												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-9 (0.0-0.9m)+VC-9												
marine water	N/A	N/A	N/A	<u>.</u>	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-9 (0.9-1.9m)+VC-9										ļ		
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-1A(0.0-0.9m)+VC-1A				1								
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-1A(0.9-1.9m)+VC-1A								1				
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-1A(1.9-2.9m)+VC-1A						ĺ						
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-1A(2.9-5.9m)+VC-1A												
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-33B(2.9-5.9m)+VC-												
33B marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-33B(5.9-8.9m)+VC-										1		
33B marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

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Test Results

2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs

Customer Ref.	L		Sam				BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE	HMW
Drillhole No.		Depth, i		Туре	Specimen								1			PAH
	No.	From	То		Depth m	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Elutriate VC-37(0.0-0.9m)+VC-37																
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-37(0.9-1.9m)+VC-37																
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-37(1.9-2.9m)+VC-37																
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-37(2.9-5.9m)+VC-37																
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-37(5.9-8.9m)+VC-37													ŀ			
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-35(0.0-0.9m)+VC-35						•										
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	< 0.20	<0.20	<0.20
Elutriate VC-35(0.9-1.9m)+VC-35						1										
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-35(1.9-2.9m)+VC-35				}										1		
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-35(2.9-5.9m)+VC-35		İ										;		:		
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-35(5.9-8.9m)+VC-35				İ									1			
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-31(0.0-0.9m)+VC-31																
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-31(0.9-1.9m)+VC-31				[,
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-31(1.9-2.9m)+VC-31															ĺ	
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-31(2.9-5.9m)+VC-31		1														
marine water	N/A	N/A	N/A	ļ	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-31(5.9-8.9m)+VC-31															i	
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-21(0.0-0.9m)+VC-21						ļ										
marine water	N/A	N/A	N/A	<u> </u>	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-21(0.9-1.9m)+VC-21						1		i								
marine water	N/A	N/A	N/A	<u> </u>	N/A	< 0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-21(1.9-2.9m)+VC-21				"]											
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-21(2.9-5.9m)+VC-21			-													
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-33(0.0-0.9m)+VC-33	1															
marine water	N/A	N/A	N/A	l	N/A	< 0.20	<0.20	<0.20	< 0.20	< 0.20	<0.20	< 0.20	<0.20	<0.20	<0.2d	<0.20

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Test Results

2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs

Customer Ref.				CHR	BaA	BbF	BkF	ВаР	DBA	FLT	IPY	PYR	BPE	HMW		
Drillhole No.		epth, i	n	Туре	Specimen											PAH
	No.	From	To		Depth m	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	иg/L	ug/L	ug/L
Elutriate VC-33(0.9-1.9m)+VC-33																
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	< 0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-33(1.9-2.9m)+VC-33																
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-23(0.0-0.9m)+VC-23																
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	< 0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-23(0.9-1.9m)+VC-23																
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-23(1.9-2.9m)+VC-23	1					1										
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2q	<0.20
Elutriate VC-23(2.9-5.9m)+VC-23														1	l l	
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	< 0.20	<0.20	< 0.20	<0.20
Elutriate VC-23(5.9-8.9m)+VC-23]]]]]	
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-3(0.0-0.9m)+VC-3				i]]		l]]]]]		
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	< 0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-3(0.9-1.9m)+VC-3	l	İ]			l	l]				
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	1<0.20	<0.20
Elutriate VC-3(1.9-2.9m)+VC-3]			.0.00
marine water	N/A	N/A	N/A		N/A	<0.20	< 0.20	<0.20	<0.20	<0.2L	<0.20	/<0.2C	< 0.20	<0.20	<0.2u	<0.20
Elutriate VC-3(2.9-5.9m)+VC-3								.0.00				1]			-0.00
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.2t	<0.20	<0.20	<u> </u>	<0.20	<0.2u	<0.20
Elutriate VC-5(0.0-0.9m)+VC-5								-0.00	-0.00		-0.00					40.00
marine water	N/A	N/A	N/A		N/A_	<0.20	<0.20	<0.20	<0.20	<0.2t	<0.20	<0.2U	<0.20	<0.20	<u> </u> <0.20	<0.20
Elutriate VC-5(0.9-1.9m)+VC-5	NI/A	NIZA			NIZA	-0.00	-0.00	-0.00	-0.00	-0.20	-0.00	20.20	20.20	20.20	-0.20	<0.20
marine water	N/A	N/A	N/A		N/A	<υ.∠ι	KU.ZU	<0.20	<0.2U	NU.2L	<u> </u>	10.20	<u>/\U.ZU</u>	<u>/\0.2\</u>	10.24	V0.20
Elutriate VC-5(1.9-2.9m)+VC-5 marine water	NI/A	N/A	N/A]	NIZA	-0.20	-0.20	<0.20	-0.20	-0.20	-0.20	-0.20	20.20	-0.20	-0.20	<0.20
Elutriate VC-5(2.9-5.9m)+VC-5	N/A	IN/A	IN/A		N/A	\U.Z	0.20	<u> </u>	VU.ZU	0.20	<u> </u>	, V.Z.	0.20	70.20	1-0.24	~0.20
marine water	N/A	N/A	N/A		N/A	-0.20	0.20	<0.20	-0.20	-0.20	-0.20	20.20	20.20	-n 20	-0.20	<0.20
Elutriate VC-1(0.0-0.9m)+VC-1	N/A	IN/A	IN/A		IN/A	<u> </u>	10.20	<u> </u>	10.20	10.20	<u> </u>	~U.ZL	0.20	<u> </u>	10.24	<u> </u>
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	k0 20	<n 20<="" td=""><td><0.2r</td><td>c0 20</td><td>SO 20</td><td><u></u></td><td>20.24</td><td><0.20</td></n>	<0.2r	c0 20	SO 20	<u></u>	20.24	<0.20
Elutriate VC-1(0.9-1.9m)+VC-1	IN//A	INIA	INA	 	INA	-0.20	1-0.20	~0.20	1-0.20	1~0.20	-∪.∠(-0.20	1-0.20	1-0.20	1~0.24	~0.20
marine water	N/A	N/A	N/A		N/A	<n 20<="" td=""><td>en 20</td><td><0.20</td><td>l<0.20</td><td><n 20<="" td=""><td><0.20</td><td>-n 20</td><td><0.20</td><td><0.20</td><td>1<0.2d</td><td><0.20</td></n></td></n>	en 20	<0.20	l<0.20	<n 20<="" td=""><td><0.20</td><td>-n 20</td><td><0.20</td><td><0.20</td><td>1<0.2d</td><td><0.20</td></n>	<0.20	-n 20	<0.20	<0.20	1<0.2d	<0.20
Elutriate VC-1(1.9-2.9m)+VC-1	INVA	I IV/A	11077		IN/A	-0.20	-0.20	-0.20	1-0.20	-0.20	-0.20	-0.20	1-0.20	1 -0.20	1-0.20	~0.20
marine water	N/A	N/A	N/A		N/A	<0.20	<n 20<="" td=""><td><0.20</td><td><0.20</td><td><0.20</td><td>1<0.20</td><td>1<0 20</td><td><0.20</td><td><0.20</td><td>1<0 24</td><td><0.20</td></n>	<0.20	<0.20	<0.20	1<0.20	1<0 20	<0.20	<0.20	1<0 24	<0.20
Elutriate VC-1(2.9-5.9m)+VC-1	14//	14/7	1417		1417	-0.20	1-0.20	-0.20	-0.20	1-0.20	-0.20	-0.20	-0.20	-0.20	1-0.24	-0.20
marine water	N/A	N/A	N/A		N/A	<0.20	<0 20	<0.20	<0.20	<0.20	<0.20	<0.5c	<0.20	<0.20	1<0 24	<0.20
Elutriate VC-11(0.0-0.9m)+VC-11		INIA	INA	 	INIA	~0.20	1	-0.20	1.0.20	1-0.20	1-0.20	1.0.20	1-0.20	1-0.20	1 0.24	-0.20
marine water	N/A	N/A	N/A	1	N/A	<0.20	<υ 20	<0.20	<0.50	<0.20	<0.20	<0 20	<0.20	<0.20	1<0 24	<0.20
mamic valor	INA	INV	I IN//	J	I INIC	1-0.21	1-0.20	1 .0.20	1-0.20	1.0.2	4 - 0,20	1 .0.20	1 -0.20	4 -0.20	1-4.24	70.20

Report No.

106776N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

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Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

Test Results

2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs

Customer Ref.			Sam	ple		CHR	ВаА	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE	HMW
Drillhole No.		epth, i	m	Туре	Specimen								ļ			PAH
	No.	From	То		Depth m	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Elutriate VC-11(0.9-1.9m)+VC-11																
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-11(1.9-2.9m)+VC-11								-								
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-11(2.9-5.9m)+VC-11																
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-7(0.0-0.9m)+VC-7																
marine water	N/A	N/A	N/A		N/A	< 0.20	<0.20	<0.20	< 0.20	<0.20	<0.20	<0.20	<0.20	< 0.20	<0.20	<0.20
Elutriate VC-7(0.9-1.9m)+VC-7																
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-7(1.9-2.9m)+VC-7						ļ										
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	< 0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-7(2.9-5.9m)+VC-7																
marine water	N/A	N/A	N/A		N/A	< 0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	< 0.20	<0.20	<0.20
Elutriate VC-9 (1.9-2.9m)+VC-9																
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-9 (2.9-5.9m)+VC-9																
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-19(0.0-0.9m)+VC-19				1					ĺ	l			1	1		
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-19(0.9-1.9m)+VC-19														1		
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	< 0.20	< 0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-19(1.9-2.9m)+VC-19			[Ì						
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-19(2.9-5.9m)+VC-19												ŀ		1	1	
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	< 0.20	< 0.20	<0.20	<0.20
Elutriate VC-13(0.0-0.9m)+VC-13											ļ					
marine water	N/A	N/A	N/A	<u></u>	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	< 0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-13(0.9-1.9m)+VC-13																
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-13(1.9-2.9m)+VC-13						l .] _		l _	l <u>.</u>]] _			_
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-13(2.9-5.9m)+VC-13			İ							١.		l <u>.</u>				_
marine water	N/A	N/A	N/A	<u> </u>	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-15(0.0-0.9m)+VC-15					l					l .	١	l	l	l	1	
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Elutriate VC-15(0.9-1.9m)+VC-15	1															
marine water	N/A	N/A	N/A	<u>.</u>	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	 <0.20	<0.20	<0.20
Elutriate VC-15(1.9-2.9m)+VC-15							1					١.				
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	1 <0.20	<0.20	<0.20

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106776N(1)

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Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

Test Results

2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs

Customer Ref.			Sam				BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE	HMW	,
Drillhole No.	E	epth, r	n	Туре	Specimen			!								PAH	
	No.	From	To		Depth m	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ĮΙ
Elutriate VC-15(2.9-5.9m)+VC-15																	
marine water	N/A	N/A	N/A		N/A_	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	< 0.20	<0.20	<0.20	<0.20	<0.20	- 1
Elutriate VC-17 (0.0-0.9m)+VC-						ļ						1					
17 marine water	N/A	N/A	N/A		N/A_	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	┨ "
Elutriate VC-17 (0.9-1.9m)+VC-												İ					١.
17 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	11
Elutriate VC-17 (1.9-2.9m)+VC-				1										1			11
17 marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	1
Elutriate VC-17 (2.9-5.9m)+VC-							İ										١,
17 marine water	N/A	N/A	N/A	<u> </u>	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	41
Elutriate VC-9 (0.0-0.9m)+VC-9													İ				{
marine water	N/A	N/A	N/A		N/A	<0.20	< 0.20	<0.20	<0.20	< 0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	4
Elutriate VC-9 (0.9-1.9m)+VC-9		1						!						1			1
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20]
Elutriate VC-1A(0.0-0.9m)+VC-1A				ŀ				ŀ				1					'
marine water	N/A	N/A	N/A		N/A	<0.20	< 0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	1.
Elutriate VC-1A(0.9-1.9m)+VC-1A																	П
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	- ↓ ↓
Elutriate VC-1A(1.9-2.9m)+VC-1A				1		1	1				1			1			
marine water	N/A	N/A	N/A		N/A	<0.20	< 0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	_ _f
Elutriate VC-1A(2.9-5.9m)+VC-1A				ľ				1				1]	Ì			17
marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	< 0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	۱ <u>۱</u>
Elutriate VC-33B(2.9-5.9m)+VC-									1	1							
33B marine water	N/A	N/A	N/A	<u> </u>	N/A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	۱ اـ
Elutriate VC-33B(5.9-8.9m)+VC-																i	
33B marine water	N/A	N/A	N/A		N/A	<0.20	<0.20	<0.20	<0.20	i <0.20	<0.20	<0.20	<0.20	0.2 (<0.2 0	<0.20	J.,

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Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs

1.1 Sample Duplicate

Customer Ref.			Samp	ole			NAP	ANY	ANA	FLU	PHE	ANT
Drillhole No.		epth, m	1	Туре	Specimen	Batch						
	No.	From	То		Depth m		%	%	%	%	%	%
	N/A	N/A	N/A		N/A	1	na*	na*	na*	na*	na*	na*
21084/1												
	N/A	N/A	N/A		N/A	2	na*	na*	na*	na*	na*	na*
21126/14				l								
Elutriate VC-21(1.9-2.9m)+VC- 21 marine water	N/A	N/A	N/A		N/A	3	na*	na*	na*	na*	па*	na*
Elutriate VC-15(2.9-5.9m)+VC- 15 marine water	N/A	N/A	N/A		N/A	4	na*	na*	na*	na*	na*	na*
	Contro	I Limits						+/-	30 % o	f the me	ean	

Sample Spike (Spike Level = 5 ug) 1.2

Customer Ref.			Samp	ole			NAP	ANY	ANA	FLU	PHE	ANT
Drillhole No.	D	Depth, m			Specimen	Batch	1					
	No.	From	To		Depth m		%	%	%	%	%	%
Elutriate VC-37(0.0-0.9m)+VC- 37 marine water	N/A	N/A	N/A		N/A	1	96	96	107	102	98	95
21126/14	N/A	N/A	N/A		N/A	2	113	105	111	97	115	96
Elutriate VC-21(1.9-2.9m)+VC- 21 marine water	N/A	N/A	N/A		N/A	3	102	99	106	94	119	97
Elutriate VC-17(0.0-0.9m)+VC- 17 marine water	N/A	N/A	N/A		N/A	4	107	101	115	95	116	88
	Contro	l Limits		•					70 - 1	30 %		

Notes:

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

Authorized Signatory

Issue Date: 18 Sept. 2008

Yau Tin (Operations Manager)

Report No.

106776N(1)

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QC Results

1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs

1.1 Sample Duplicate

Customer Ref.			Sam	pie			NAP	ANY	ANA	FLU	PHE	ANT
Drillhole No.	D	epth, n	1	Туре	Specimen	Batch						
	No.	From	То		Depth m		%	%	%	%	%	%
Elutriate VC-11(2.9-5.9m)+VC- 11 marine water	N/A	N/A	N/A		N/A	5	na*	na*	na*	na*	na*	na*
Elutriate VC-1A(0.9-1.9m)+VC- 1A marine water	N/A	N/A	N/A		N/A	6	na*	na*	na*	na*	na*	na*
	Contro	l Limits	<u> </u>					+/-	30 % o	f the me	ean	L

1.2 Sample Spike (Spike Level = 5 ug)

Customer Ref.			Samp	ole			NAP	ANY	ANA	FLU	PHE	ANT
Drillhole No.	D	epth, m)	Туре	Specimen	Batch	İ					
	No.	From	То		Depth m		%	%	%	%	%	%
Elutriate VC-7(0.0-0.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	5	113	105	105	107	129	98
Elutriate VC-1A(1.9-2.9m)+VC- 1A marine water	N/A	N/A	N/A		N/A	6	94	83	87	94	86	93
							,					
_												
	Contro	I Limits							70 - 1	30 %		

Notes:

Report No.

106776N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs

2.1 Sample Duplicate

Customer Ref.			Samp	le			CHR	ВаА	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE
Drillhole No.	D	epth, m		Туре	Specimen	Batch	ļ									į
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%	%
	N/A	N/A	N/A		N/A	1	na*	na*	na*	na*	na*	na*	na*	na*	na*	na*
21084/1																
	N/A	N/A	N/A		N/A	2	na*	na*	na*	na*	na*	na*	na*	na*	na*	na*
21126/14																
Elutriate VC-21(1.9-2.9m)+VC- 21 marine water	N/A	N/A	N/A		N/A	3	na*	na*	na*	na*	na*	na*	na*	na*	na*	na*
Elutriate VC-15(2.9-5.9m)+VC- 15 marine water	N/A	N/A	N/A		N/A	4	na*	na*	ла*	na*	na*	na*	na*	na*	na*	na*
	Contro	l Limits								+/- 3	0 % o	f the n	nean			

2.2 Sample Spike (Spike Level = 5 ug)

Customer Ref.			Samp	le			CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE
Drillhole No.	D	epth, m		Туре	Specimen	Batch										
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%	%
Elutriate VC-37(0.0-0.9m)+VC- 37 marine water	N/A	N/A	N/A		N/A	1	98	85	104	98	84	100	100	94	111	100
21126/14	N/A	N/A	N/A		N/A	2	100	108	119	104	110	113	119	114	107	103
Elutriate VC-21(1.9-2.9m)+VC- 21 marine water	N/A	N/A	N/A		N/A	3	104	112	108	100	111	118	114	108	109	96
Elutriate VC-17(0.0-0.9m)+VC- 17 marine water	N/A	N/A	N/A		N/A	4	97	109	99	113	113	109	102	103	118	96
	Contro	Limits									70 - 1	30 %				

Notes :

Report No.

106776N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

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Customer

Gammon Construction Limited

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21084, 21126, 21129, 21174

QC Results

2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs

2.1 Sample Duplicate

Customer Ref.			Samp	le			CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE
Drillhole No.	D	epth, m		Туре	Specimen	Batch										
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%	%
Elutriate VC-11(2.9-5.9m)+VC- 11 marine water	N/A	N/A	N/A		N/A	5	na*	na*	na*	na*	na*	na*	na*	na*	na*	na*
Elutriate VC-1A(0.9-1.9m)+VC- 1A marine water	N/A	N/A	N/A		N/A	6	na*	na*	na*	na*	na*	na*	na*	na*	na*	na*
	Contro	l Limits								+/- 3	0 % of	the n	nean			<u> </u>

2.2 Sample Spike (Spike Level = 5 ug)

Customer Ref.			Samp	le			CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE
Drillhole No.	D	epth, m		Туре	Specimen	Batch										
	No.	From	Τo		Depth m		%	%	%	%	%_	%	%	%	%	%
Elutriate VC-7(0.0-0.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	5	118	104	102	118	107	98	107	80	113	81
Elutriate VC-1A(1.9-2.9m)+VC- 1A marine water	N/A	N/A	N/A		N/A	6	90	79	86	100	109	125	99	117	79	88
	Contro	I Limits		l						<u> </u>	70 - 1	30 %				<u></u>

Notes:

Report No.

106776N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

: Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

1. Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs

1.3 QC Sample (Spike Level = 5 ug)

Customer Ref.			Sam	ple			NAP	ANY	ANA	FLU	PHE	ANT
Drillhole No.	[epth, r	m	Туре	Specimen	Batch		1				
_	No.	From	То		Depth m		%	%	%	%	%	%
LCS	N/A	N/A	N/A		N/A	1	106	107	108	114	107	105
LCS	N/A	N/A	N/A		N/A	2	96	103	102	95	109	101
LCS	N/A	N/A	N/A		N/A	3	104	93	112	103	112	105
LCS	N/A	N/A	N/A		N/A	4	108	101	109	96	120	98
	С	ontro l	_imits					"	70 - 1	30 %		

1.4 Method Blank

Customer Ref.			Sam	ple			NAP	ANY	ANA	FLU	PHE	ANT
Drillhole No.	į E	Depth, r	m	Туре	Specimen	Batch						
	No.	From	То		Depth m		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
N/A	N/A	N/A	N/A		N/A	1	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
N/A	N/A	N/A	N/A		N/A	2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
N/A	N/A	N/A	N/A		N/A	3	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
N/A	N/A	N/A	N/A		N/A	4	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
	C	ontrol i	_imits	<u> </u>				Less	than re	porting	limit	·

Notes:

1. LCS = Laboratory Control Sample

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

Report No.

106776N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

: Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

Low Molecular Weight Polyaromatic Hydrocarbons, LMW PAHs

1.3 QC Sample (Spike Level = 5 ug)

Customer Ref.			Sam	ple			NAP	ANY	ANA	FLU	PHE	ANT
Drillhole No.	1	Depth, r	n	Туре	Specimen	Batch						
	No.	From	To		Depth m		%	%	%	%	%	%
LCS	N/A	N/A	N/A		N/A	5	112	100	107	94	120	93
LCS	N/A	N/A	N/A		N/A	6	89	78	83	88	85	92
	C	ontrol	Limits		·			<u> </u>	70 -	130 %		

1.4 Method Blank

Customer Ref.			Sam	ple			NAP	ANY	ANA	FLU	PHE	ANT
Drillhole No.	ם "	Depth, r	n	Туре	Specimen	Batch						
	No.	From	To		Depth m		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
N/A	N/A	N/A	N/A		N/A	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
N/A	N/A	N/A	N/A		N/A	6	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
	-1	ontrol	Limits		I	<u> </u>	<u> </u>	Less	than re	L eporting	limit	<u> </u>

Notes:

Report No.

106776N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs

2.3 QC Sample (Spike Level = 5 ug)

Customer Ref.			Samp	le			CHR	ВаА	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE
Drillhole No.	D	epth, m		Туре	Specimen	Batch										
	No.	From	То]	Depth m		%	%	%_	%	%	%	%	%	%	%
LCS	N/A	N/A	N/A		N/A	1	92	94	108	102	93	109	97	100	107	96
LCS	N/A	N/A	N/A		N/A	2	96	111	106	85	108	113	108	114	92	90
LCS	N/A	N/A	N/A		N/A	3	109	115	113	104	110	115	103	103	104	108
LCS .	N/A	N/A	N/A		N/A	4	114	99	100	114	121	91	110	103	120	110
	Co	ntrol Lir	nits								70 - 1	30 %				

2.4 Method Blank

Customer Ref.			Samp	le			CHR	ВаА	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE
Drillhole No.	D	epth, m		Туре	Specimen	Batch						ļ				
	No.	From	То		Depth m		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
N/A	N/A	N/A	N/A		N/A	1	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
N/A	N/A	N/A	N/A		N/A	2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
N/A	N/A	N/A	N/A		N/A	3	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
N/A	N/A	N/A	N/A		N/A	4	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
	Co	ntrol Lir	nits					<u> </u>	L	Less t	han re	eportir	ng limi	t	L	

Notes:

Report No.

106776N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

: Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

2. High Molecular Weight Polyaromatic Hydrocarbons, HMW PAHs

2.3 QC Sample (Spike Level = 5 ug)

Customer Ref.	Sample					CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE	
Drillhole No.	Depth, m Type Specir		Specimen	Batch												
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%	%
LCS	N/A	N/A	N/A		N/A	5	88	94	107	97	108	95	105	90	115	91
LCS	N/A	N/A	N/A		N/A	6	90	82	79	86	95	121	95	118	77	81
	:															
Control Limits							70 - 130 %									

2.4 Method Blank

Customer Ref.	Sample					CHR	BaA	BbF	BkF	BaP	DBA	FLT	IPY	PYR	BPE	
Drillhole No.	Depth, m			Type Specimen	Batch											
	No.	From	То		Depth m		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
N/A	N/A	N/A	N/A		N/A	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
N/A	N/A	N/A	N/A		N/A	6	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
<u></u>																
Control Limits						Less than reporting limit										

Notes:

PCBs

Report No.

: 106781N

Project Name

: Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

: Gammon Construction Limited

Address

: 28/F Devon House, Taikoo Place, 979 King's Road, Hong Kong.

Lab Job No.

: J656

Lab Sample No.

21084, 21126, 21129, 21174

Sample Description

: 18 liquid samples said to be saline water

Sample Receipt Date

: 18 June 2008 - 24 July 2008

Test Period

: 23 June 2008 - 7 August 2008

Test Information

CODE	Test Parameter	Reporting Limit	Test Procedure			
		ug/L				
8	2,4' dichlorobiphenyl	0.01	W/O/PCB			
18	2,2',5 trichlorobiphenyl	0.01	W/O/PCB			
28	2,4,4' trichlorobiphenyl	0.01	W/O/PCB			
44	2,2',3,5' tetrachlorobiphenyl	0.01	W/O/PCB			
52	2,2',5,5' tetrachlorobiphenyl	0.01	W/O/PCB			
66	2,3',4,4' tetrachlorobiphenyl	0.01	W/O/PCB			
77	3,3',4,4' tetrachlorobiphenyl	0.01	W/O/PCB			
101	2,2',4,5,5' pentachlorobiphenyl	0.01	W/O/PCB			
105	2,3,3',4,4' pentachlorobiphenyl	0.01	W/O/PCB			
118	2,3',4,4',5 pentachlorobiphenyl	0.01	W/O/PCB			
126	3,3',4,4',5 pentachlorobiphenyl	0.01	W/O/PCB			
128	2,2',3,3',4,4' hexachlorobiphenyl	0.01	W/O/PCB			
138	2,2',3,4,4',5' hexachlorobiphenyl	0.01	W/O/PCB			
153	2,2',4,4',5,5' hexachlorobiphenyl	0.01	W/O/PCB			
169	3,3',4,4',5,5' hexachlorobiphenyl	0.01	W/O/PCB			
170	2,2',3,3',4,4',5 heptachlorobiphenyl	0.01	W/O/PCB			
180	2,2',3,4,4',5,5' heptachlorobiphenyl	0.01	W/O/PCB			
187	2,2',3,4',5,5',6 heptachlorobiphenyl	0.01	W/O/PCB			
Total PCB	Total PCB	0.01	W/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. <= less than
- 4. N/A = Not applicable
- 5. Test results satisfy all in-house QA/QC protocols as attached.
- 6. Test description (for in-house methods) as follows:
 - W/O/PCB: Solvent extraction and GC-MS Quantification.
- 7. Total PCB Equals to the sum of individual reported PCBs.

Authorized Signatory

/Wøng/Yau 7im (Operations Manager) Issue Date: 25 Aug. 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.

106781N

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No

21084, 21126, 21129, 21174

Customer Ref.			San	ıple		8	18	28	44	52	66	77	101	105
Drillhole No.		pth, n		Туре	Specimen				_	_				
	No.	From	То		Depth m	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VC-37	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-23	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-21	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-33	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-35	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-31	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-15	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-17	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-9	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-19	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-13	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-11	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-7	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-5	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-1	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-3	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-33B	N/A	N/A	N/A		N/A_	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-1A	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Report No.

106781N

Project Name

Ground Investigations Works for installation of

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Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

Test Results

Customer Ref.			Sam	ple		118	126	128	138	153	169	170	180	187	Total PCB
Drillhole No.		epth, r		Туре	Specimen										_
	No.	From	То		Depth m	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VC-37	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-23	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-21	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-33	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-35	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-31	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-15	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-17	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-9	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-19	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-13	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-11	N/A	N/A	N/A		N/A_	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-7	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-5	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-1	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-3	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-33B	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VC-1A	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

---- Enf of Report -----

Report No.

106781N

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No

21084, 21126, 21129, 21174

QC Results

Sample Duplicate 1.1

Customer Ref.			Sam	ple			8	18	28	44	52	66	77	101	105
Drillhole No.		epth, n	n _	Туре	Specimen	Batch		ľ				i		·	
	No.	From	То		Depth m		%	%	%	%	%	%	%_	%	%
	N/A	N/A	N/A		N/A	1	na*	na*	na*	na*	na*	na*	na*	na*	na*
VC-37														<u> </u>	
						_							<u></u>		<u> </u>
				İ			1					İ]
								<u> </u>				<u> </u>			<u> </u>
									ļ						1
				l				<u> </u>				<u>L</u> .			
	Contro	ol Limit							+/	- <u>30%</u>	of the	mea	<u> </u>		

1.2 Sample Spike (Spike Level = 1 ug)

Customer Ref.			Sam	ple			8	18	28	44	52	66	77	101	105
Drillhole No.		epth, r	n	Туре	Specimen	Batch									
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%
	N/A	N/A	N/A		N/A	1	111	110	114	94	102	104	88	101	104
VC-23				<u> </u>				<u></u>							-
														ļ	
		ļ					<u> </u>	ļ							
													i		
		ļ <u>.</u>		ļ				<u> </u>	ļ				<u> </u>		
	İ								ļ		Ì				
		<u> </u>		<u> </u>	<u></u>	L		<u> </u>	<u> </u>		100.0	<u>. </u>		<u> </u>	
	Contro	ol <u>Limit</u>					l			70	<u>-130 9</u>	'o			

Notes:

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

Tel: (852) 2897 3282

Authorized Signatory

Wong Yau Tiph

Issue Date: 25 Aug. 2008

(Operations Manager)

Report No.

106781N

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No

21084, 21126, 21129, 21174

QC Results

2.1 Sample Duplicate

Customer Ref.			Sampl	е			118	126	128	138	153	169	170	180	187
Drillhole No.		epth, m		Туре	Specimen	Batch									
	No.	From	То		Depth m	!	%	%	%	%	%	%	%	%	%
	N/A	N/A	N/A		N/A	1	na*	na*	na*	na*	na*	na*	na*	na*	na*
VC-37															
				l	1			ļ							
								ļ					ļ		
		1							ļ						
					ļ <u> </u>				<u> </u>	l			l .		
	Contro	ol Limit							+/-	30%	of the	e mea	an		

2.2 Sample Spike (Spike Level = 1 ug)

Customer Ref.		•	Samp	ie			118	126	128	138	153	169	170	180	187
Drillhole No.		epth, m		Туре	Specimen	Batch						1			
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%
	N/A	N/A	N/A		N/A	1	103	108	109	89	100	89	89	105	109
VC-23															
	-														
]											
	Contro	ol Limit		_						70-	130 9	%			

Notes:

Report No.

106781N

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

: Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

1.3 QC Sample (Spike Level = 1 ug)

Customer Ref.			Sam	ple			8	18	28	44	52	66	77	101	105
Drillhole No.)epth, п	n	Туре	Specimen	Batch									
	No.	From	То]	Depth m		%	%	%	%	%	%	%	%	%
LCS	N/A	N/A	N/A		N/A	1	103	107	119	90	94	107	86	109	116
					<u>. </u>						<u> </u>				
		ļ <u>.</u>		<u> </u>											
	C	ontrol l	imit							70)-130 ⁹	%			

1.4 Method Blank

Customer Ref.			Sam	ple			8	18	28	44	52	66	77	101	105
Drillhole No.	[epth, r	n	Type	Specimen	Batch									
	No.	From	То		Depth m		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
N/A	N/A	N/A	N/A		N/A	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	-														
	-		_		_					<u> </u>					\vdash
			<u> </u>							45					$oxed{L}$
	<u>C</u>	ontrol I	_imit						Le	ss ina	n repo	rting lir	TIIL		

Notes:

1

ıtory Control Sample

Report No.

106781N

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

: Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

2.3 QC Sample (Spike Level = 1 ug)

Customer Ref.			Sam	ple			118	126	128	138	153	169	170	180	187
Drillhole No.		Depth,	m	Туре	Specimen	Batch									
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%
LCS	N/A	N/A	N/A		N/A	1	116	114	115	90	102	101	101	108	113
		-													
												···· - ···-			
				-											
	Co	ntrol L	imit							70)-130 %	6			

Method Blank 2.4

Customer Ref.			Sam	ple			118	126	128	138	153	169	170	180	187
Drillhole No.		Depth,	m	Туре	Specimen	Batch									
	No.	From	То]	Depth m		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
N/A	N/A	N/A	N/A		N/A	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
				<u> </u>			<u> </u>			-					
·															
	Co	ontrol L	.imit		·				Le	ss tha	n repor	ting lin	nit		

Notes:

tory Control Sample

Tel: (852) 2897 3282

Report No.

: 106777N(1)

Project Name

: Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

: Gammon Construction Limited

Address

: 28/F Devon House, Taikoo Place, 979 King's Road, Hong Kong.

Lab Job No.

; J656

Lab Sample No.

: 21084, 21126, 21129, 21174

Sample Description

: 73 elutriate samples said to be saline water

Sample Receipt Date

: 18 June 2008 - 24 July 2008

Test Period

: 23 June 2008 - 7 August 2008

Test Information

CODE	Test Parameter	Reporting Limit ug/L	Test Procedure
8	2,4' dichlorobiphenyl	0.01	W/O/PCB
18	2,2',5 trichlorobiphenyl	0.01	W/O/PCB
28	2.4.4' trichlorobiphenyl	0.01	W/O/PCB_
44	2,2',3,5' tetrachlorobiphenyl	0.01	W/O/PCB
52	2,2',5,5' tetrachlorobiphenyl	0.01	W/O/PCB
66	2,3',4,4' tetrachlorobiphenyl	0.01	W/O/PCB
77	3,3',4,4' tetrachlorobiphenyl	0.01	W/O/PCB
101	2,2',4,5,5' pentachlorobiphenyl	0.01	W/O/PCB
105	2,3,3',4,4' pentachlorobiphenyl	0.01	W/O/PCB
118	2,3',4,4',5 pentachlorobiphenyl	0.01	W/O/PCB
126	3,3',4,4',5 pentachlorobiphenyl	0.01	W/O/PCB
128	2,2',3,3',4,4' hexachlorobiphenyl	0.01	W/O/PCB
138	2,2',3,4,4',5' hexachlorobiphenyl	0.01	W/O/PCB
153	2,2',4,4',5,5' hexachlorobiphenyl	0.01	W/O/PCB
169	3,3',4,4',5,5' hexachlorobiphenyl	0.01	W/O/PCB
170	2,2',3,3',4,4',5 heptachlorobiphenyl	0.01	W/O/PCB
180	2,2',3,4,4',5,5' heptachlorobiphenyl	0.01	W/O/PCB
187	2,2',3,4',5,5',6 heptachlorobiphenyl	0.01	W/O/PCB
Total PCB	Total PCB	0.01	W/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. < = less than
- 4. N/A = Not applicable
- 5. Test results satisfy all in-house QA/QC protocols as attached.
- Test description (for in-house methods) as follows:
 W/O/PCB: Solvent extraction and GC-MS Quantification.
- The elutriate samples were prepared according to contract agreed procedure.
- 8. Total PCB Equals to the sum of individual reported PCBs.
- This report superseds the one, 106777N, dated 25/8/2008.

Authorized Signatory

Wong Yau Tim (Operations Manager) Issue Date: 18 Sept. 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.

106777N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No

21084, 21126, 21129, 21174

Customer Ref.			San	nple		8	18	28	44	52	66	77	101	105
Drillhole No.		epth, n		Туре	Specimen									
	No.	From	То		Depth m	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Elutriate VC-37(0.0-0.9m)+VC-37														1 1
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-37(0.9-1.9m)+VC-37														ll
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-37(1.9-2.9m)+VC-37														المما
marine water	N/A	N/A	N/A	ļ	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-37(2.9-5.9m)+VC-37			l					.0.04		-0.04			40.04	ا ده در ا
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-37(5.9-8.9m)+VC-37				ļ			-0.04	-0.04	40.04	-0.04		-0.04	-0.01	-0.01
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<u> ~0.01</u>	<u> </u>	<u> </u>
Elutriate VC-35(0.0-0.9m)+VC-35		N1/A	NI/A		NI/A	-0.04	<0.01	<0.01	-0.01	-0.01	_0.01	-0.01	-0.01	0.01
marine water	N/A	N/A	N/A	 	N/A	<u> </u>	70.01	70.01	-0.01	<u> </u>	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	-0.01	<u> </u>	10.01
Elutriate VC-35(0.9-1.9m)+VC-35 marine water	N/A	N/A	N/A		N/A	-n n1	<0.01	<0.01	 -0 01	<0.01	<0.01	<0.01	<n n1<="" td=""><td><0 01</td></n>	<0 01
Elutriate VC-35(1.9-2.9m)+VC-35	N/A	IN/A	INIA		19/7	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	70.01	<u> </u>	10.01	40.01	40.01	40.01	10.01	10.01
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	 <0.01	 <0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-35(2.9-5.9m)+VC-35	IN/A	NUZ	14//	 	14//1	10.0	10.01	-0.07	0.01	0.01	Ų.U.	0.0.		1
marine water	N/A	N/A	N/A	İ	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-35(5.9-8.9m)+VC-35	14// 1	107	14071		1407	0.0.	0.0.	9,51	3.01					1
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-31(0.0-0.9m)+VC-31		1427	1			1								\Box
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-31(0.9-1.9m)+VC-31														
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-31(1.9-2.9m)+VC-31														
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-31(2.9-5.9m)+VC-31														1
marine water	N/A	N/A	N/A	<u> </u>	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-31(5.9-8.9m)+VC-31														
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-21(0.0-0.9m)+VC-21				1	ĺ		İ							
marine water	N/A	N/A	N/A	ļ	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-21(0.9-1.9m)+VC-21									l	l			l	
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-21(1.9-2.9m)+VC-21			 		ļ ,			40.04	.0.01		-0.04	40.04		-000
marine water	N/A	N/A	N/A	ļ	N/A	 < 0.01	<0.01	<0.01	<0.01	<u> <0.01</u>	<0.01	<0.01	<u.u1< td=""><td>\<u><0.01</u></td></u.u1<>	\ <u><0.01</u>
Elutriate VC-21(2.9-5.9m)+VC-21		,,, ,		1	NI/A		-0.04	_0.04	-0.04	_0 04	_0.04	-0.04	_0 04	ارم مرا
marine water	N/A	N/A	N/A	-	N/A	<0.01	<0.01	<0.01	<u> <0.01</u>	<0.01	<0.U1	<u><0.01</u>	\~U.U1	<0.01
Elutriate VC-33(0.0-0.9m)+VC-33	N1/A	NIZA.	N/A		N/A	-0.04	<0.01	-0.04	-0.01	-0 01	-0.01	-0.01	-0 01	<0.01
marine water	N/A	I N/A	J IN/A	1	I IN/A	J~U.U1	J~U.U1	<u> ~0.01</u>	~ U.U1	L-0.01	U.U1	_~U.U I	~U.U I	j ~0.0 I

Report No.

106777N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No

21084, 21126, 21129, 21174

Customer Ref.			San	nple		8	18	28	44	52	66	77	101	105
Drillhole No.	De	epth, n	٦	Туре	Specimen		1				i 1			
		From		,	Depth m	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Elutriate VC-33(0.9-1.9m)+VC-33														
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-33(1.9-2.9m)+VC-33														
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.0 <u>1</u>	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-23(0.0-0.9m)+VC-23			}				,						امما	ارمما
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-23(0.9-1,9m)+VC-23											ا مما			-0.04
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-23(1.9-2.9m)+VC-23		1						١			٠.,		يم م. ا	.0.04
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-23(2.9-5.9m)+VC-23			1			Ì				.0.04		.0.04	40.04	-0.04
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-23(5.9-8.9m)+VC-23						١				-0.04		-0.04	-0.04	-0.04
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<u><0.01</u>
Elutriate VC-3(0.0-0.9m)+VC-3	ļ		l		l	١			-0.04		-0.04	40.04	-0.04	c0 01
marine water	N/A	N/A	N/A	ļ	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<u> ~0.01</u>	VU.U1
Elutriate VC-3(0.9-1.9m)+VC-3				ŀ							-0.04		-0.04	-0.04
marine water	N/A	N/A	N/A	<u> </u>	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-3(1.9-2.9m)+VC-3			l				ا مما		-0.04	40.04	-0.04	-0.01	-0.01	-0.01
marine water	N/A	N/A	N/A	ļ	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	×0.01
Elutriate VC-3(2.9-5.9m)+VC-3		1						-0.04	40.04	-0.04	-0.01	-0.01	_0 01	_0.01
marine water	N/A	N/A	N/A	<u> </u>	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<u> </u>	<u> </u>
Elutriate VC-5(0.0-0.9m)+VC-5		1				0.04	ي م	-0.04	-0.04			-0.01	-0.01	-0.01
marine water	N/A	N/A	N/A	-	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	50.01	<u> <0.01</u>	<u> \0.01</u>	<u> </u>
Elutriate VC-5(0.9-1.9m)+VC-5	l		1		l					-0.04	<0.01	-0.01	-0.01	_0 01
marine water	N/A	N/A	N/A	 	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	\\U.U.	<u> </u>	1 0.01	-0.01
Elutriate VC-5(1.9-2.9m)+VC-5		1			1			-0.04	-0.04	-0.04	<0.01	_0 01	-0.01	
marine water	N/A	N/A	N/A	 	N/A	<0.01	<0.01	<0.01	<0.01	×0.01	<u> </u>	\0.01	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\0.01
Elutriate VC-5(2.9-5.9m)+VC-5		1	1			-0.04	-0.04	-0.04		-0.01	<0.01	-0.01	-0.01	0.01
marine water	N/A	N/A	N/A	 	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	VU.U1	<u> </u>	10.01	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Elutriate VC-1(0.0-0.9m)+VC-1			l	1	1			-0.04	-0.04	-0.04	<0.01	-0.01	0.01	0.01
marine water	N/A	N/A	N/A	\	N/A	<0.01	<0.01	<0.01	V0.01	V0.01	1 0.01	-0.0	70.01	-0.01
Elutriate VC-1(0.9-1.9m)+VC-1	1	1	1		l NICA	40.04		-0.04	_0.01		 <0.01	0.01		
marine water	N/A	N/A	N/A	\	N/A	<0.01	<0.01	<u> </u>	1.0.01	\ <u>\</u> \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1 0.0	\ <u>\</u> \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1 -0.0	VO.0
Elutriate VC-1(1.9-2.9m)+VC-1				1	1 N/A	1000	-0.04	-0.04	-0.01	-0.01	0.01	-0 01	 -0.01	 <0.01
marine water	N/A	N/A	N/A	\	N/A	<0.01	<0.01	<0.01	\0.01	~0.0	-0.0	~0.0	-0.0	0.01
Elutriate VC-1(2.9-5.9m)+VC-1	 ,	1 ,	 ,,,,		AL/A	1,000	0.04	<0.01	-0.04	-n n	م محل	-n n	1/20.00	ا حال ۱
marine water	N/A	N/A	N/A	4	N/A	[50.01	VU.01	<u> ~0.01</u>	~0.0	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1 -0.0	-0.0	· ~0.0 ·	70.01
Elutriate VC-11(0.0-0.9m)+VC-11					B1/A	-0.00	0.00	<0.01	-0.01	-00	1/20.00	 <0.04	م معال	 <0.01
marine water	N/A	N/A	N/A	Ч	N/A	J<0.0°	150.01	<u> <0.01</u>	1~0.0	1~0.0	11~0.0	1 ~0.0	11 ~0.0	1 -0.01

Report No.

106777N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No

21084, 21126, 21129, 21174

Customer Ref.			Sam	nple		8	18	28	44	52	66	77	101	105
Drillhole No.		epth, n		Туре	Specimen									
	No.	From	С		Depth m	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Elutriate VC-11(0.9-1.9m)+VC-11								_						
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-11(1.9-2.9m)+VC-11														
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-11(2.9-5.9m)+VC-11									امما		ادمما	ا م	.0.04	أيمما
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-7(0.0-0.9m)+VC-7		l					04	-0.04	-0.04	-0.04	-0.04	40.04	-0.04	_0 01
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-7(0.9-1.9m)+VC-7						-0.04	-0.04	<0.01	-0.01	-0.04	-0.01	-0.01	-0 01	_0 01
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	VU.U1	<u> </u>	~0.01	<u> </u>	~0.0 j	\0.01
Elutriate VC-7(1.9-2.9m)+VC-7	NI/A	NI/A	N1/A		N/A	-0.01	<0.01	<0.01	-n n1	-0 01	<0.01	<0.01	<0.01	 -0 01
marine water	N/A	N/A	N/A		N/A	<0.01	70.01	70.01	70.01	~0.01	70.01	<u> </u>	-0.01	\ <u>\\\</u> 0.01
Elutriate VC-7(2.9-5.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	-0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	_{<0.01}
	IN/A	IN/A	IMA		IV/A	VU.U1	70.01	~0.01	-0.01	-0.01	70.01	-0.01	-0.0	10.01
Elutriate VC-9 (1.9-2.9m)+VC-9 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	_{<0.01}
Elutriate VC-9 (2.9-5.9m)+VC-9	I IN//A	IVA	13//	_	18/73	-0.01	10.01	10.01	-0.01	10.01	10.01	.0.01	0.01	0.0
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-19(0.0-0.9m)+VC-19	107	14//	1071		1,7,7,	0.01	0.01	<u> </u>						
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-19(0.9-1.9m)+VC-19	14.7	1,0,7,1					-							
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-19(1.9-2.9m)+VC-19		1												
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-19(2.9-5.9m)+VC-19														
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-13(0.0-0.9m)+VC-13				1										1
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-13(0.9-1.9m)+VC-13]	
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-13(1.9-2.9m)+VC-13								1						
marine water	N/A	N/A	N/A	<u> </u>	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-13(2.9-5.9m)+VC-13				1								١	١	
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-15(0.0-0.9m)+VC-15										-0.04	40.01	10.01		
marine water	N/A	N/A	N/A	—	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-15(0.9-1.9m)+VC-15		 ,	 				-0.04	1000		-0.04	-0.04	-0.04	-0.04	ایم مرا
marine water	N/A	N/A	N/A	<u> </u>	N/A	<0.01	<0.01	<0.01	<u> <0.01</u>	<0.01 	<0.01	<0.01	<0.01	5 U.U1
Elutriate VC-15(1.9-2.9m)+VC-15	X174	 ,,,,		1	A1/A	-0.04	 <0.01	<0.01	-0.04	-0.01	-0.04	-0.01	-0.01	<0.01
marine water	N/A	N/A	N/A	<u> </u>	N/A	1~0.01	~U.U1	_~0.01	~U.U1	~0.01	-0.01	1-0.01	-0.01	-0.01

Report No.

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Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No

21084, 21126, 21129, 21174

Customer Ref.			San	ple		8	18	28	44	52	66	77	101	105
Drillhole No.	De	epth, n	1	Type	Specimen								,	
	No.	From	To		Depth m	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Elutriate VC-15(2.9-5.9m)+VC-15										امما	.0.04	-0.04	-0.04	-0.01
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<u> </u>
Elutriate VC-17 (0.0-0.9m)+VC-17						ا م م	-0.04	<0.01	-0.01	-0.01	-0 01	-0.01	-0.01	<0.01
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<u>~0.01</u>	~0.0 I	VO.01	70.01	40.01
Elutriate VC-17 (0.9-1.9m)+VC-17						-0.04	-0.04	<0.01	_0.01	~0.01	-n n1	<0.01	<0.01	<0.01
marine water	N/A	N/A	N/A	<u> </u>	N/A_	<0.01	<0.01	<u> ~0.01</u>	~0.01	~0.0 I	VO.0 1	10.01	40.01	10.01
Elutriate VC-17 (1.9-2.9m)+VC-17				l	NI/A	_0 01	-0.01	<0.01	<0.01	<0.01	<0 01	<0.01	<0.01	<0.01
marine water	N/A	N/A	N/A		N/A	\0.01	<u> ~0.01</u>	~0.01	-0.01	-0.01	0.0	, , , , , , , , , , , , , , , , , , , 	9.01	
Elutriate VC-17 (2.9-5.9m)+VC-17	N1/A	NI/A	NI/A		l N/A	-0.01	<0.01	<0. <u>01</u>	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
marine water	N/A	N/A	N/A	┼──	INIA	~0.01	\ <u>0.01</u>	10.01	10.0.	0.01	5.5.7	-		
Elutriate VC-9 (0.0-0.9m)+VC-9	N/A	N/A	N/A	ļ	N/A	 <0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
marine water	N/A	IN/A	19/74	<u> </u>	19/7	10.01	-0.01	10.01	0.0.					
Elutriate VC-9 (0.9-1.9m)+VC-9 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	N/A	INIA	10/7	 	1071	0.0,	1							
Elutriate VC-1A(0.0-0.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-1A(0.9-1.9m)+VC-1A	INIA	11//1	14//	1					<u> </u>					
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-1A(1.9-2.9m)+VC-1A	1477	107.	1				1	<u> </u>						1 1
marine water	N/A	N/A	N/A	.	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-1A(2.9-5.9m)+VC-1A	T	1												
marine water	N/A	N/A	N/A		N/A_	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-33B(2.9-5.9m)+VC-33B	1													
marine water	N/A	N/A	N/A	1	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-33B(5.9-8.9m)+VC-33B	3													1.00
marine water	N/A	N/A	N/A	<u> </u>	N/A	<0.0°	<0.01	ij < <u>0.01</u>	 <0.01	Į<0.01	[<0.01	<0.01	1<0.01	<0.01

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Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

Customer Ref.			Sam			118	126	128	138	153	169	170	180	187	Total PCB
Drillhole No.	D	epth, r	n	Туре	Specimen										
	No.	From	То		Depth m	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Elutriate VC-37(0.0-0.9m)+VC-37															
marine water	N/A	N/A	N/A		N/A_	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<u><0.01</u>
Elutriate VC-37(0.9-1.9m)+VC-37	ľ						·								
marine water	N/A	N/A	N/A		N/A	<0.01	< 0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-37(1.9-2.9m)+VC-37															
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	< 0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-37(2.9-5.9m)+VC-37				1	!							l	١		2.24
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	< 0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-37(5.9-8.9m)+VC-37															
marine water	N/A	N/A	N/A	ļ	N/A_	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	< 0.01	<0.01	<0.01	<0.01
Elutriate VC-35(0.0-0.9m)+VC-35				1					١	١				-0.04	-0.04
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-35(0.9-1.9m)+VC-35								l			ي م			-0.04	40.04
marine water	N/A	N/A	N/A	<u> </u>	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-35(1.9-2.9m)+VC-35				1			l	١			م	-0.04			-0.04
marine water	N/A	N/A	N/A	<u> </u>	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-35(2.9-5.9m)+VC-35														-0.04	40.04
marine water	N/A	N/A	N/A	ļ	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-35(5.9-8.9m)+VC-35						l				يم مر			-0.04		-0.01
marine water	N/A	N/A	N/A	 	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	150.01	<u> </u>	<0.01
Elutriate VC-31(0.0-0.9m)+VC-31			l			ĺ <u>.</u> .			، ه ه ا	يم مر			40.04	-0.04	<0.01
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	[<0.01	<u> </u>	V0.01
Elutriate VC-31(0.9-1.9m)+VC-31	1						يم مرا			-0.04	40.04		-0.01	-0.01	<0.01
marine water	N/A	N/A	N/A	 	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<u> </u>	(V.U.)	<u> </u>
Elutriate VC-31(1.9-2.9m)+VC-31	l		l				-0.04	40.04		_0.01	-0.01	-0.01	-0.01	-0.01	<0.01
marine water	N/A	N/A	N/A	 	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<u> </u>	<u> </u>	<u> \0.01</u>	V0.01	70.01
Elutriate VC-31(2.9-5.9m)+VC-31	\		١	ļ			40.04	<0.01			-0.01	_n n1		-0.01	<0.01
marine water	N/A	N/A	N/A	 	N/A	<0.01	<0.01	<0.01	<u> </u>	<u> </u>	150.01	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\ <u>\U.U.</u>	70.01	~0.01
Elutriate VC-31(5.9-8.9m)+VC-31	١	l	 		N1/A		<0.01	<0.01	-0.01	_0.01	-0 01	-0.01	0.01	0.01	<0.01
marine water	N/A	N/A	N/A	ļ	N/A	<υ.υ	10.01	<u> </u>	<u> </u>	V0.01	1-0.01	10.0	1 0.01	70.01	40.01
Elutriate VC-21(0.0-0.9m)+VC-21					N/A		 <0.01	<0.01	-0.01	0.01	-0 01	 -0 01	 -n n1	 <0.01	<0.01
marine water	N/A	N/A	N/A		IN/A	<0.0	0.01	<u> </u>	\0.01	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1 0.01	70.0	1,0.01	10.01	1 10.01
Elutriate VC-21(0.9-1.9m)+VC-21	L NIZA	NI/A	N/A	1	N/A	-0.0	000	<0.01	-n n1	احم مع	 -0 01	 <0.01	 <0.01	<0.01	<0.01
marine water	N/A	N/A	I N/A	+	IN/A	\U.U	(\~U.U I	~0.01	70.0	-0.01	70.01	-0.0	-0.01	-0.01	-5.01
Elutriate VC-21(1.9-2.9m)+VC-21	NI/A	NI/A	N/A		N/A	-0.0	 -0 01	<0.01	 -0.01	<0.01	 -0 01	l<0.01	 <0.01	<0.01	<0.01
marine water	N/A	N/A	IV/A	+	IN/A	~0.0	-0.01	~0.01	70.0	10.01	1 -0.0	-0.0	., -0.0	10.0	
Elutriate VC-21(2.9-5.9m)+VC-21	NI/A	N/A	N/A		N/A	<0.0°	 <0.01	<0.01	len ne	0.01	 <0.01	 <0.01	I <0.01	<0.01	<0.01
marine water	N/A	N/A	IN/A	+-	IN/A	~0.0	0.01	~0.01	1-0.0	-0.0	-0.01	-5.5	0.0	1 3.0	1
Elutriate VC-33(0.0-0.9m)+VC-33	NI/A	N/A	N/A		N/A	<0.0°	1 < 0 01	<0.01	<0.0°	l <0 01	l<0.01	l<0.01	1 < 0.01	<0.01	<0.01
marine water	N/A	I N/A	I IN/A	Ч.	INIA	1-0.0	11 ~0.01	-0.01	1~0.0	1 -0.0	10.0	1 -0.0	.,	- - 0.0	1 .0.01

Report No.

106777N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

Customer Ref.			Sam	ple		118	126	128	138	153	169	170	180	187	Total PCB
Drillhole No.	D	epth, n	n	Туре	Specimen										
	No.	From	To		Depth m	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Elutriate VC-33(0.9-1.9m)+VC-33 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-33(1.9-2.9m)+VC-33 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01							1 12
Elutriate VC-23(0.0-0.9m)+VC-23	N/A	N/A	N/A		N/A		<0.01			<0.01					
Elutriate VC-23(0.9-1.9m)+VC-23 marine water	N/A	N/A	N/A		N/A		<0.01			<0.01		1	-		
Elutriate VC-23(1.9-2.9m)+VC-23	N/A	N/A	N/A		N/A		<0.01								
Elutriate VC-23(2.9-5.9m)+VC-23 marine water	N/A	N/A	N/A		N/A			<0.01							
Elutriate VC-23(5.9-8.9m)+VC-23	N/A	N/A	N/A		N/A		<0.01								
marine water Elutriate VC-3(0.0-0.9m)+VC-3			N/A		N/A			<0.01							
marine water Elutriate VC-3(0.9-1.9m)+VC-3	N/A	N/A								<0.01					
marine water Elutriate VC-3(1.9-2.9m)+VC-3	N/A	N/A	N/A		N/A		<0.01								
marine water Elutriate VC-3(2.9-5.9m)+VC-3	N/A	N/A			N/A		<0.01			<0.01					i
marine water Elutriate VC-5(0.0-0.9m)+VC-5	N/A	N/A	N/A		N/A		<0.01		<0.01						
marine water Elutriate VC-5(0.9-1.9m)+VC-5	N/A	N/A	N/A	ļ	N/A	<0.01	<0.01								
marine water Elutriate VC-5(1.9-2.9m)+VC-5	N/A	N/A	N/A		N/A_	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
marine water Elutriate VC-5(2.9-5.9m)+VC-5	N/A	N/A	N/A	 	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0°	<0.01
marine water	N/A	N/A	N/A		N/A	<0.0	<0.01	<0.01	<0.01	<0 <u>.01</u>	<0.01	<0.01	<0.0	<0.0	<0.01
Elutriate VC-1(0.0-0.9m)+VC-1 marine water	N/A	N/A	N/A		N/A	<0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0	<0.0	1 <0.01
Elutriate VC-1(0.9-1.9m)+VC-1 marine water	N/A	N/A	N/A	_	N/A	<0.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0	<0.0	<0.01
Elutriate VC-1(1.9-2.9m)+VC-1 marine water	N/A	N/A	N/A		N/A	<0.0	<0.01	0.01	<0.01	<0.01	<0.01	<0.0	<0.0°	1 <0.0	1 <0.01
Elutriate VC-1(2.9-5.9m)+VC-1 marine water	N/A	N/A	N/A		N/A	<0.0	<0.0	1 <0.01	<0.01	<0.01	<0.01	<0.0	<0.0°	0.0	1 <0.01
Elutriate VC-11(0.0-0.9m)+VC-11 marine water	N/A	N/A	N/A		N/A	<0.0	1 <0.0	1 <0.01	<0 <u>.0</u>	0.01	<0.0	<0.0	 <0.0	1 <0.0	1 <0.01

Report No.

106777N(1)

Project Name

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Customer

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Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

Customer Ref.			Sam	ple		118	126	128	138	153	169	170	180	187	Total PCB
Drillhole No.	D	epth, n		Туре	Specimen										
	No.	From	Τo		Depth m	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Elutriate VC-11(0.9-1.9m)+VC-11								-0.04	40.04	-0.04	-0.04	-0.01	-0.01	-0.01	<0.01
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	~0.01	\0.01	~0.01
Elutriate VC-11(1.9-2.9m)+VC-11					1 1/A	-0.04	-0.04	<0.01	-0.01	-0.04	-0.01	-0.01	-0.01	-0.01	<0.01
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<u> </u>	<u> </u>	~0.01	70.01	~0.01	70.01	\0.01
Elutriate VC-11(2.9-5.9m)+VC-11	N/A	N/A	N/A		N/A	-0.01	<0.01	<0.01	-n n1	 -0.01	<0.01	<0.01	<n 01<="" td=""><td><0.01</td><td><0.01</td></n>	<0.01	<0.01
marine water	IWA	JN//A	IVA		19/7	70.01	70.01	10.01	10.01	10.01	-0.01	10.01	-0.0	-0.01	-
Elutriate VC-7(0.0-0.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	 <0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-7(0.9-1.9m)+VC-7	14/74	10/1	1071		147	-0.0	0.0.			-					
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-7(1.9-2.9m)+VC-7				· ·											
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-7(2.9-5.9m)+VC-7						-									
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-9 (1.9-2.9m)+VC-9						ľ					1				
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-9 (2.9-5.9m)+VC-9						Ì	i '	1				l	l	l	
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-19(0.0-0.9m)+VC-19				1		.				l	١				10.04
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-19(0.9-1.9m)+VC-19		l	l								-0.04	-0.01	-0.04	-0.01	-0.01
marine water	N/A	N/A	N/A	ļ	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-19(1.9-2.9m)+VC-19								<0.01	1.001		-0.01	_0 01	-0.01	_0 01	<0.01
marine water	N/A	N/A	N/A	↓	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	KU.U1	<u> </u>	<u> </u>	V0.01	70.01
Elutriate VC-19(2.9-5.9m)+VC-19	N7/A	NI/A	NI/A		NI/A	-0.01	<0.01	-0.01	<0.01	c0 01	-n n1	<0.01	 <0.01	 <0.01	<0.01
marine water	N/A	N/A	N/A		N/A	20.01	(0.01	<u> </u>	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0.01	V0.01	1 40.01	1 40.01	10.01	70.01
Elutriate VC-13(0.0-0.9m)+VC-13	N/A	N/A	N/A		N/A	en n1	<0.01	<0.01	<0.01	 <0.01	<0.01	<0.01	<0.01	<0.01	<0.01
marine water Elutriate VC-13(0.9-1.9m)+VC-13	IN/A	INA	INA		1107	10.01	10.01	40.01	1,0.0	10.0	10.0.	-5.5.	10.0.	10.0.	
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-13(1.9-2.9m)+VC-13	1071	1000	10.	 	,	<u> </u>	 ••••					i –	T		
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-13(2.9-5.9m)+VC-13				1											
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-15(0.0-0.9m)+VC-15															
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-15(0.9-1.9m)+VC-15						1						1			
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	(0.01	< 0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-15(1.9-2.9m)+VC-15										. ـ ـ ا	. ـ ـ ـ ا		. ء ء ا		40.04
marine water	N/A	N/A	N/A		N/A	 <0.01	<0.01	<0.01	<0.01	 <0.01	<0.01	<0.01	ij<0.01	<0.01	<0.01

Report No.

106777N(1)

Project Name

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Submarine Gas Pipeline and Associated Facilities

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Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

Test Results

Customer Ref.			Sam	ple		118	126	128	138	153	169	170	180	187	Total PCB
Drillhole No.	D	epth, n	n	Туре	Specimen										
	No.	From	То		Depth m	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Elutriate VC-15(2.9-5.9m)+VC-15															
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0 <u>1</u>	<0.01	<0.01
Elutriate VC-17 (0.0-0.9m)+VC-17															
marine water	N/A	N/A	N/A	<u> </u>	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-17 (0.9-1.9m)+VC-17															
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-17 (1.9-2.9m)+VC-17		1	1												
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-17 (2.9-5.9m)+VC-17						Ì									
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-9 (0.0-0.9m)+VC-9				1											
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-9 (0.9-1.9m)+VC-9			İ	l											
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	< 0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-1A(0.0-0.9m)+VC-1A				1						1	-				
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-1A(0.9-1.9m)+VC-1A										ļ				ĺ	
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-1A(1.9-2.9m)+VC-1A				1			1								
marine water	N/A	N/A	N/A		N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-1A(2.9-5.9m)+VC-1A									1						
marine water	N/A	N/A	N/A	<u> </u>	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-33B(2.9-5.9m)+VC-															
33B marine water	N/A	N/A	N/A	<u>L</u> .	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Elutriate VC-33B(5.9-8.9m)+VC-										_	Ì				
33B marine water	N/A	N/A	N/A	1	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

-----End of Report---

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Lab Job No.

J656

Lab Sample No

21084, 21126, 21129, 21174

QC Results

1.1 Sample Duplicate

Customer Ref.			Sam	pie			8	18	28	44	52	66	77	101	105
Drillhole No.	E	Depth, n	n	Туре	Specimen	Batch									
	No.	From	То		Depth m		%	%	%	%	%	- %	%	%	%
-	N/A	N/A	N/A		N/A	1	na*	na*	na*	na*	na*	na*	na*	na*	na*
21084/1															
	N/A	N/A	N/A		N/A	2	na*	na*	na*	ла*	na*	na*	ла*	na*	na*
21126/14								<u> </u>		<u> </u>					
Elutriate VC-21(1.9-2.9m)+VC- 21 marine water	N/A	N/A	N/A		N/A	3	na*	na*	na*	na*	na*	na*	na*	na*	na*
Elutriate VC-15(2.9-5.9m)+VC- 15 marine water	N/A	N/A	N/A		N/A	4	na*	na*	na*	na*	na*	na*	na*	na*	na*
	Control Limit								+/	- 30%	of the	mear	1		

Sample Spike (Spike Level = 1 ug) 1.2

Customer Ref.			Sam	ple			8	18	28	44	52	66	77	101	105
Drillhole No.		Depth, r	n	Туре	Specimen	Batch				:					
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%
Elutriate VC-37(0.0-0.9m)+VC- 37 marine water	N/A	N/A	N/A		N/A	1	106	100	100	99	108	105	82	119	102
21126/14	N/A	N/A	N/A		N/A	2	111	110	114	94	102	104	88	101	104
Elutriate VC-21(1.9-2.9m)+VC- 21 marine water	N/A	N/A	N/A		N/A	თ	96	118	105	84	96	94	87	95	96
Elutriate VC-17(0.0-0.9m)+VC- 17 marine water	N/A	N/A	N/A		N/A	4	98	96	112	86	100	100	84	84	81
	Contro	l Limit								70	-130 %	6			

Notes:

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

Authorized Signatory

(Operations Manager)

Issue Date: 18 Sept. 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

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Lab Sample No

21084, 21126, 21129, 21174

QC Results

1.1 Sample Duplicate

Customer Ref.			Sam	ple			8	18	28	44	52	66	77	101	105
Drillhole No.	Ε	epth, n	n	Туре	Specimen	Batch	l								
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%
Elutriate VC-11(2.9-5.9m)+VC- 11 marine water	N/A	N/A	N/A		N/A	5	na*	na*	na*	na*	na*	na*	na*	na*	na*
Elutriate VC-1A(0.9-1.9m)+VC- 1A marine water	N/A	N/A	N/A		N/A	6	na*	na*	na*	na*	na*	na*	na*	na*	na*
				-											
				<u> </u>		l						i			
	Contro	ol Limit					+/	- 30%	of the	mea	<u> </u>				

1.2 Sample Spike (Spike Level = 1 ug)

Customer Ref.			Sam	ple			8	18	28	44	52	66	77	101	105
Drillhole No.	ב	epth, r	n	Туре	Specimen	Batch									
	No.	From	P		Depth m		%	%	%	%	%	%	%	%	%
Elutriate VC-7(0.0-0.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	5	98	117	100	88	107	84	81	112	96
Elutriate VC-1A(1.9-2.9m)+VC- 1A marine water	N/A	N/A	N/A		N/A	6	108	97	90	90	89	96	93	102	82
							!					-			
	Contro	l Limit					_	70	<u>-130 </u>	6					

Notes:

Report No.

106777N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No

21084, 21126, 21129, 21174

QC Results

2.1 Sample Duplicate

Customer Ref.			Samp	le			118	126	128	138	153	169	170	180	187
Drillhole No.		epth, m)	Туре	Specimen	Batch		•							
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%
	N/A	N/A	N/A		N/A	1	na*	na*	na*	na*	na*	na*	na*	na*	na*
21084/1															
	N/A	N/A	N/A		N/A	2	na*	na*	na*	na*	па*	na*	na*	па*	na*
21126/14															
Elutriate VC-21(1.9-2.9m)+VC-	N/A	N/A	N/A		N/A	3	na*	na*	na*	na*	па*	na*	na*	na*	na*
21 marine water															
Elutriate VC-15(2.9-5.9m)+VC-	N/A	N/A	N/A		N/A	4	na*	na*	na*	na*	na*	na*	na*	na*	na*
15 marine water															
	Contro	ol Limit							+/-	30%	of the	e mea	an		

2.2 Sample Spike (Spike Level = 1 ug)

Customer Ref.			Samp	le			118	126	128	138	153	169	170	180	187
Drillhole No.		epth, m)	Туре	Specimen	Batch									
	No.	From	Т		Depth m		%	%	%	%	%	%	%	%	%
Elutriate VC-37(0.0-0.9m)+VC- 37 marine water	N/A	N/A	N/A		N/A	1	97	101	106	84	92	92	92	78	98
21126/14	N/A	N/A	N/A		N/A	2	103	108	109	89	100	89	89	105	109
Elutriate VC-21(1.9-2.9m)+VC- 21 marine water	N/A	N/A	N/A		N/A	3	88	114	84	89	99	92	92	90	92
Elutriate VC-17(0:0-0.9m)+VC- 17 marine water	N/A	N/A	N/A		N/A	4	75	78	92	80	100	83	83	86	94
	Contro	ol Limit			•					70-	-130 9	6			

Notes:

Report No.

106777N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No

21084, 21126, 21129, 21174

QC Results

2.1 Sample Duplicate

Customer Ref.			Samp	le			118	126	128	138	153	169	170	180	187
Drillhole No.		epth, m	1	Туре	Specimen	Batch									
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%
Elutriate VC-11(2.9-5.9m)+VC- 11 marine water	N/A	N/A	N/A		N/A	5	na*	na*	na*	na*	na*	na*	na*	na*	na*
Elutriate VC-1A(0.9-1.9m)+VC- 1A marine water	N/A	N/A	N/A		N/A	6	na*	na*	na*	na*	na*	na*	na*	na*	na*
	Contro	ol Limit							+/-	30%	of the	e mea	n		

2.2 Sample Spike (Spike Level = 1 ug)

Customer Ref.			Samp	le			118	126	128	138	153	169	170	180	187
Drillhole No.		epth, m		Туре	Specimen	Batch				. '					
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%
Elutriate VC-7(0.0-0.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	5	98	108	83	76	93	78	78	78	81
Elutriate VC-1A(1.9-2.9m)+VC- 1A marine water	N/A	N/A	N/A		N/A	6	87	84	91	96	91	91	91	89	91
	Contro	ol Limit						70-	-130 °	 %					

Notes:

Report No.

106777N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

1.3 QC Sample (Spike Level = 1 ug)

Customer Ref.			Sam	ple			8	18	28	44	52	66	77	101	105
Drillhole No.		epth, r	n·	Туре	Specimen	Batch									
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%
LCS	N/A	N/A	N/A		N/A	1	97	94	93	103	102	92	82	103	114
LCS	N/A	N/A	N/A		N/A	2	103	107	119	90	94	107	86	109	116
LCS	N/A	N/A	N/A		N/A	3	107	113	91	91	92	98	97	99	98
LCS	N/A	N/A	N/A		N/A	4	97	109	101	92	93	93	83	109	103
	C	ontrol L	imit	1				• · · · · · · · · · · · · · · · · · · ·	l.,	70	-130 %	6			

1.4 Method Blank

Customer Ref.			Sam	ple			8	18	28	44	52	66	77	101	105
Drillhole No.		epth, r	n	Туре	Specimen	Batch]	
	No.	From	То		Depth m		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
N/A	N/A	N/A	N/A		N/A	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N/A	N/A	N/A	N/A		N/A	2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N/A	N/A	N/A	N/A		N/A	3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N/A	N/A	N/A	N/A		N/A	4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	С	ontrol L	imit		······································				Le	ss that	n repor	ting lin	nit		

Notes:

1. LCS = Laboratory Control Sample

Report No.

106777N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

1.3 QC Sample (Spike Level = 1 ug)

Customer Ref.			Sam	ple			8	18	28	44	52	66	77	101	105
Drillhole No.		epth, r	n	Туре	Specimen	Batch									
	No.	From	To		Depth m		%	%	%	%	%	%	%	%	%
LCS	N/A	N/A	N/A		N/A	5	86	115	95	105	108	91	85	87	85
LCS	N/A	N/A	N/A		N/A	6	100	95	93	87	91	94	95	96	90
	-														
							70)-130 %	<u> </u>						

1.4 Method Blank

Customer Ref.			Sam	ple			8	18	28	44	52	66	77	101	105
Drillhole No.		epth, r	n	Туре	Specimen	Batch									
	No.	From	То		Depth m		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
N/A	N/A	N/A	N/A		N/A	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0
N/A	N/A	N/A	N/A		N/A	6	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0
	C	ontrol I	 _imit	<u> </u>	l			<u> </u>	Le Le	ss thai	repoi	ting lin	nit	<u> </u>	L

Notes:

1. LCS = Laboratory Control Sample

Report No.

: 106777N(1)

Project Name

: Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

: Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

2.3 QC Sample (Spike Level = 1 ug)

Customer Ref.			Sam	ple			118	126	128	138	153	169	170	180	187
Drillhole No.		Depth,	m	Туре	Specimen	Batch									
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%
LCS	N/A	N/A	N/A		N/A	1	106	116	119	93	101	105	105	87	111
LCS	N/A	N/A	N/A		N/A	2	116	114	115	90	102	101	101	108	113
LCS	N/A	N/A	N/A		N/A	3	92	112	90	84	90	82	82	86	97
LCS	N/A	N/A	N/A		N/A	4	96	111	99	79	96	83	83	88	106
	Co	ntrol L	imit					•		70	-130 %	6			

2.4 Method Blank

Customer Ref.			Sam	ple			118	126	128	138	153	169	170	180	187
Drillhole No.		Depth,	m	Туре	Specimen	Batch									l
	No.	From	То		Depth m		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
N/A	N/A	N/A	N/A		N/A	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N/A	N/A	N/A	N/A		N/A	2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N/A	N/A	N/A	N/A		N/A	3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
N/A	N/A	N/A	N/A		N/A	4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Co	ntroi L	imit	<u> </u>	<u> </u>			j	L	ss tha	n repoi	L tina lin	nit		l

Notes:

1. LCS = Laboratory Control Sample

Tel: (852) 2897 3282

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

Report No.

106777N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

2.3 QC Sample (Spike Level = 1 ug)

Customer Ref.			Sam	ple			118	126	128	138	153	169	170	180	187
Drillhole No.	[Depth,	m	Туре	Specimen	Batch									
	No.	From	То		Depth m		%	%	%	%	%	%	%	%	%
LCS	N/A	N/A	N/A		N/A	5	81	106	95	78	83	81	81	76	95
LCS	N/A	N/A	N/A		N/A	6	86	83	91	90	96	90	90	86	88
	Cc	ntrol L	imit							70)-130 9	6			

2.4 **Method Blank**

Customer Ref.			Sam	ple			118	126	128	138	153	169	170	180	187
Drillhole No.		Depth,	m	Туре	Specimen	Batch									
	No.	From	То]	Depth m		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
N/A	N/A	N/A	N/A		N/A	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0
N/A	N/A	N/A	N/A		N/A	6	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0
									-						
		ntrol i		<u> </u>					L	45	l	tina lin			

Notes:

LCS = Laboratory Control Sample 1.

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

TBT

Report No.

: 106783N

Project Name

: Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

: Gammon Construction Limited

Address

: 28/F Devon House, Taikoo Place, 979 King's Road, Hong Kong.

Lab Job No.

; J656

Lab Sample No.

: 21084, 21126, 21129, 21174

Sample Description

: 18 liquid samples said to be saline water

Sample Receipt Date

: 18 June 2008 - 24 July 2008

Test Period

: 23 June 2008 - 7 August 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.

Authorized Signatory:

Wong Yau Tim (Operations Manager)

Issue Date:

25 Aug. 2008

Report No.

106783N

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

: Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

Test Results

Customer Ref.			Sar		TBT	
Drillhole No.	<u>D</u>	epth, n		Туре	Specimen	
	No.	From	То		Depth m	ug TBT / L
VC-37	N/A	N/A	N/A		N/A	<0.015
VC-23	N/A	N/A	N/A		N/A	<0.015
VC-21	N/A	N/A	N/A		N/A	<0.015
VC-33	N/A	N/A	N/A		N/A	<0.015
VC-35	N/A	N/A	N/A		N/A	<0.015
VC-31	N/A	N/A	N/A		N/A	<0.015
VC-15	N/A	N/A	N/A		N/A	<0.015
VC-17	N/A	N/A	N/A		N/A	<0.015
VC-9	N/A	N/A	N/A		N/A	<0.015
VC-19	N/A	N/A	N/A		N/A	<0.015
VC-13	N/A	N/A	N/A		N/A_	<0.015
VC-11	N/A	N/A	N/A		N/A	<0.015
VC-7	N/A	N/A	N/A		N/A	<0.015
VC-5	N/A	N/A	N/A		N/A	<0.015
VC-1	N/A	N/A	N/A		N/A	<0.015
VC-3	N/A	N/A	N/A		N/A	<0.015
VC-33B	N/A	N/A	N/A		N/A	<0.015
VC-1A	N/A	N/A	N/A		N/A	<0.015

---- End of Report ----

Tel: (852) 2897 3282

Fax: (852) 2897 5509

e-mail: info@lamlab.com

Report No.

106783N

Project Name

: Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

1.1 Sample Duplicate (Relative deviation)

Customer Ref.			Sam	ple			TBT				
Drillhole No.	Depth, m		Туре	Specimen	Batch						
	No.	From	То		Depth m		%				
VC-37	N/A	N/A	N/A		N/A	1	na*				
	Control Limit										

1.2 Sample Spike (Spike Level = 50 ng)

Customer Ref.			Sam	ple			TBT				
Drillhole No.	r	Depth, m		Туре	Specimen	Batch					
	No.	From	То		Depth m		%				
VC-23	N/A	N/A	N/A		N/A	1	94				
	-					_					
					_						
	Control Limit										

Notes:

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

Authorized Signatory

Issue Date:

25 Aug. 2008

Wong Yau Tim (Operations Manager)

Report No.

106783N

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

1.3 QC Sample (Spike level = 50 ng)

Customer Ref.			Sam	ole			TBT
Drillhole No.		epth, r	n	Type Specimen		Batch	
	No.	From	То		Depth m	•	%
LCS	N/A	N/A	N/A		N/A	1	81
]			
		<u> </u>					
	ļ <u>-</u>						
				1			
		Control			70 - 130 %		

1.4 Method Blank

Customer Ref.			Sam	ple			TBT
Drillhole No.		epth, r	n	Туре	Specimen	Batch	
	No.	From	To		Depth m		ug TBT / L
N/A	N/A	N/A	N/A		N/A	1	<0.015
	<u> </u>						
						-	
		ontrol		Less than reporting limit			

Notes:

1. LCS = Laboratory Control Sample

Report No.

: 106779N(1)

Project Name

: Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport

Customer

: Gammon Construction Limited

Address

: 28/F Devon House, Taikoo Place, 979 King's Road, Hong Kong.

Lab Job No.

Lab Sample No.

: 21084, 21126, 21129, 21174

Sample Description

: 73 elutriate samples said to be saline water

Sample Receipt Date

: 18 June 2008 - 24 July 2008

Test Period

: 23 June 2008 - 7 August 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 report superseds the one, 106779N, dated 25/8/2008.

Authorized Signatory:

Wong Yau Tim / (Operations Manager)

Issue Date:

18 Sept. 2008

Report No.

106779N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

Customer Ref.			Sar		TBT	
Drillhole No.	D	epth, n	n	Туре	Specimen	
	No.	From	To		Depth m	ug TBT / L
Elutriate VC-37(0.0-0.9m)+VC-37						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-37(0.9-1.9m)+VC-37						
marine water	N/A	N/A	N/A_		N/A	<0.015
Elutriate VC-37(1.9-2.9m)+VC-37						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-37(2.9-5.9m)+VC-37	ĺ					
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-37(5.9-8.9m)+VC-37						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-35(0.0-0.9m)+VC-35						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-35(0.9-1.9m)+VC-35						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-35(1.9-2.9m)+VC-35						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-35(2.9-5.9m)+VC-35						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-35(5.9-8.9m)+VC-35	1					
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-31(0.0-0.9m)+VC-31						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-31(0.9-1.9m)+VC-31						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-31(1.9-2.9m)+VC-31						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-31(2.9-5.9m)+VC-31						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-31(5.9-8.9m)+VC-31		T .				
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-21(0.0-0.9m)+VC-21	1	ľ			ĺ	
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-21(0.9-1.9m)+VC-21						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-21(1.9-2.9m)+VC-21						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-21(2.9-5.9m)+VC-21						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-33(0.0-0.9m)+VC-33						
marine water	N/A	N/A	N/A	<u> </u>	N/A	<0.015

Report No.

106779N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

Customer Ref.			Sai		TBT	
Drillhole No.	D	epth, r	n	Туре	Specimen	
	No.	From	To		Depth m	ug TBT / L
Elutriate VC-33(0.9-1.9m)+VC-33						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-33(1.9-2.9m)+VC-33						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-23(0.0-0.9m)+VC-23						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-23(0.9-1.9m)+VC-23						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-23(1.9-2.9m)+VC-23						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-23(2.9-5.9m)+VC-23						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-23(5.9-8.9m)+VC-23						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-3(0.0-0.9m)+VC-3 marine						
water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-3(0.9-1.9m)+VC-3 marine						
water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-3(1.9-2.9m)+VC-3 marine						
water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-3(2.9-5.9m)+VC-3 marine						
water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-5(0.0-0.9m)+VC-5 marine						
water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-5(0.9-1.9m)+VC-5 marine]	
water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-5(1.9-2.9m)+VC-5 marine						
water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-5(2.9-5.9m)+VC-5 marine						
water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-1(0.0-0.9m)+VC-1 marine						•
water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-1(0.9-1.9m)+VC-1 marine					}	
water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-1(1.9-2.9m)+VC-1 marine						
water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-1(2,9-5.9m)+VC-1 marine						
water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-11(0.0-0.9m)+VC-11]	
marine water	N/A	N/A	N/A	<u></u>	N/A	<0.015

Report No.

106779N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

Customer Ref.			Sai	mple		TBT
Drillhole No.	D	epth, n		Type	Specimen	
	No.	From	То		Depth m	ug TBT / L
Elutriate VC-11(0.9-1.9m)+VC-11						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-11(1,9-2.9m)+VC-11						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-11(2.9-5.9m)+VC-11						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-7(0.0-0.9m)+VC-7 marine						
water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-7(0.9-1.9m)+VC-7 marine						
water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-7(1.9-2.9m)+VC-7 marine					1	
water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-7(2.9-5.9m)+VC-7 marine						
water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-9 (1.9-2.9m)+VC-9 marine				Ì		
water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-9 (2.9-5.9m)+VC-9 marine					ŀ	
water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-19(0.0-0.9m)+VC-19					}	
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-19(0.9-1.9m)+VC-19						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-19(1.9-2.9m)+VC-19					1	
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-19(2.9-5.9m)+VC-19						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-13(0.0-0.9m)+VC-13	İ					
marine water	N/A	N/A	N/A	1	N/A	<0.015
Elutriate VC-13(0.9-1.9m)+VC-13						
marine water	N/A	N/A	N/A	1	N/A	<0.015
Elutriate VC-13(1.9-2.9m)+VC-13		1		1		
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-13(2.9-5.9m)+VC-13		l .	İ		l	
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-15(0.0-0.9m)+VC-15			Ì]
marine water	N/A	N/A	N/A	1	N/A	<0.015
Elutriate VC-15(0.9-1.9m)+VC-15			l	ļ.		
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-15(1.9-2.9m)+VC-15	l	l	l		l	
marine water	N/A	N/A	N/A	<u></u>	N/A	<0.015

Report No.

106779N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

Test Results

Customer Ref.			Sai		TBT	
Drillhole No.		epth, n	n	Type	Specimen	
	No.	From	То		Depth m	ug TBT / L
Elutriate VC-15(2.9-5.9m)+VC-15						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-17 (0.0-0.9m)+VC-17						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-17 (0.9-1.9m)+VC-17						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-17 (1.9-2.9m)+VC-17						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-17 (2.9-5.9m)+VC-17						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-9 (0.0-0.9m)+VC-9 marine						
water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-9 (0.9-1.9m)+VC-9 marine						
water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-1A(0.0-0.9m)+VC-1A		·				
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-1A(0.9-1.9m)+VC-1A						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-1A(1.9-2.9m)+VC-1A						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-1A(2.9-5.9m)+VC-1A						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-33B(2.9-5.9m)+VC-33B						
marine water	N/A	N/A	N/A		N/A	<0.015
Elutriate VC-33B(5.9-8.9m)+VC-33B						
marine water	N/A	N/A	N/A		N/A	<0.015

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

Report No.

106779N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

1.1 Sample Duplicate (Relative deviation)

Customer Ref.			Sam	ple			TBT
Drillhole No.	Depth, m		Туре	Specimen	Batch		
	No.	From	То		Depth m		%
Elutriate VC-37(0.0-0.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	1	na*
Elutriate VC-35(2.9-5.9m)+VC-35 marine water	N/A	N/A	N/A		N/A	2	na*
Elutriate VC-19(0.9-1.9m)+VC-19 marine water	N/A	N/A	N/A		N/A	3	na*
Elutriate VC-1(0.9-1.9m)+VC-1 marine water	N/A	N/A	N/A		N/A	4	na*
		+/- 30% of the mean					

1.2 Sample Spike (Spike Level = 50 ng)

Customer Ref.			Sam	ple			TBT
Drillhole No.	Depth, m		Type Specimen		Batch		
	No.	From	То		Depth m		%
Elutriate VC-37(0.9-1.9m)+VC-37 marine water	N/A	N/A	N/A		N/A	1	92
Elutriate VC-35(5.9-8.9m)+VC-35 marine water	N/A	N/A	N/A		N/A	2	92
Elutriate VC-19(1.9-2.9m)+VC-19 marine water	N/A	N/A	N/A		N/A	3	71
Elutriate VC-1(1.9-2.9m)+VC-1 marine water	N/A	N/A	N/A		N/A	4	95
	Contro	l Limit					70-130 %

Notes:

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

Authorized Signatory

Issue Date:

18 Sept. 2008

Wong Yau Tim (Operations Manager)

Report No.

106779N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

: Gammon Construction Limited

Lab Job No.

: J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

1.3 QC Sample (Spike level = 50 ng)

Customer Ref.			Sam	ple			TBT
Drillhole No.	Depth, m			Туре	Specimen	Batch	
	No.	From	To		Depth m		%
LCS	N/A	N/A	N/A		N/A	1	99
LCS	N/A	N/A	N/A		N/A	2	100
LCS	N/A	N/A	N/A		N/A	3	114
LCS	N/A	N/A	N/A		N/A	4	101
	C		70 - 130 %				

1.4 Method Blank

Customer Ref.			Sam	ple			TBT
Drillhole No.	Depth, m			Туре	Specimen	Batch	
	No.	From	То		Depth m		ug TBT / L
N/A	N/A	N/A	N/A		N/A	1	<0.015
N/A	N/A	N/A	N/A		N/A	2	<0.015
N/A	N/A	N/A	N/A		N/A	3	<0.015
N/A	N/A	N/A	N/A		N/A	4	<0.015
		ontrol		Less than reporting limit			

Notes:

1. LCS = Laboratory Control Sample

Chlorinated Pesticides

Report No.

: 106782N

Project Name

: Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

: Gammon Construction Limited

Address

: 28/F Devon House, Taikoo Place, 979 King's Road, Hong Kong.

Lab Job No.

: J656

Lab Sample No.

: 21084, 21126, 21129, 21174

Sample Description

: 18 liquid samples said to be saline water

Sample Receipt Date Test Period : 18 June 2008 - 24 July 2008 : 23 June 2008 - 7 August 2008

Test Information

CODE	Test Parameter	Reporting Limit	Test Procedure
		ug/L	
A-BHC	Alpha-BHC	0.10	W/O/Pesticide
B-BHC	Beta-BHC	0.10	W/O/Pesticide
G-BHC	Gamma BHC	0.10	W/O/Pesticide
D-BHC	Delta-BHC	0.10	W/O/Pesticide
Htc	Heptachlor	0.10	W/O/Pesticide
Arn	Aldrin	0.10	W/O/Pesticide
HE	Heptachlor epoxide	0.10	W/O/Pesticide
Esf1	Endosulfan 1	0.10	W/O/Pesticide
DDT	p,p'-DDT	0.10	W/O/Pesticide
DDD	p,p'-DDD	0.10	W/O/Pesticide
DDE	p,p'-DDE	0.10	W/O/Pesticide
Es	Endosulfan sulfate	0.10	W/O/Pesticide

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. < = less than</p>
- 4. N/A = Not applicable
- 5. Test results satisfy all in-house QA/QC protocols as attached.
- Test description (for in-house methods only) as follows: W/O/Pesticide:Solvent extraction and GC-MS Quantification.

Authorized Signatory

////ong Yau T/m (Operations Manager) Issue Date: 25 Aug. 2008

Report No.

106782N

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

Customer Ref.			Samp	ole		A-BHC	B-BHC	G-BHC	D-BHC	Htc	Arn	HE
Drillhole No.		Depth, r		Туре	Specimen							
	No.	From	То		Depth m	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L_	ug/L
VC-37	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
VC-23	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
VC-21	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
VC-33	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
VC-35	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
VC-31	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
VC-15	N/A	N/A_	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
VC-17	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
VC-9	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
VC-19	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
VC-13	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
VC-11	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
VC-7	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
VC-5	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
VC-1	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
. VC-3	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
VC-33B	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
VC-1A	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10

Report No.

106782N

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

Customer Ref.			Samp	le		Esf1	DDT	DDD	DDE	Es
Drillhole No.		Depth, r		Туре	Specimen					
	No.	From	To		Depth m	ug/L	ug/L	ug/L	ug/L	ug/L
VC-37	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-23	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-21	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-33	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-35	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-31	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-15	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-17	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-9	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-19	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-13	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-11	N/A	N/A	N/A	<u> </u>	N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-7	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-5	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-1	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-3	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-33B	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
VC-1A	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10

⁻⁻⁻ End of Report -----

Report No.

106782N

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

1.1 Sample Duplicate

Customer Ref.			Sam	ple			A-BHC	B-BHC	G-BHC	D-BHC	Htc	Am	HE
Drillhole No.		epth, r	n	Туре	Specimen	Batch							
	No.	From	То		Depth m		%	%	%	%	%	%	%
VC-37	N/A	N/A	N/A		N/A	1	na*	na*	na*	na*	na*	na*	na*
				-									
							<u> </u>						
								:					
<u> </u>	Contr	ol Limit	! :						+/- 30	% of the	mean	I	

1.2 Sample Spike (Spike Level = 1 ug)

Customer Ref.			Sam	ple			A-BHC	в-внс	G-BHC	D-BHC	Htc	Arn	H
Drillhole No.] [Depth, r	n .	Туре	Specimen	Batch			•				
	No.	From	To	1	Depth m		%	%	%	%	%	%	%
LCS	N/A	N/A	N/A		N/A	1	112	115	103	110	104	112	10
<u>-</u>				-									ļ. <u>—</u>
		ļ			-		<u> </u>						
	-												
				<u> </u>									
	Contr	ol Limit	t				İ		7	70-130 %			

Notes:

- na* = Relative deviation (RD) for duplicates cannot be evaluated as the value determined is lower than reporting limit.
- 2. LCS = Laboratory Control Sample

Authorized Signatory

/Wong Yau Tim (Operations Manager) Issue Date:

25 Aug. 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.

: 106782N

Project Name

: Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

: Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

1.3 Sample Duplicate

Customer Ref.			Sam	ple			Esf1	DDT	DDD	DDE	Es
Drillhole No.		epth,	m	Туре	Specimen	Batch					
	No.	From	То		Depth m		%	%	%	%	%
VC-37	N/A	N/A	N/A		N/A	1	na*	na*	na*	na*	na*
								,			
	Contro	I Limit		!	l			+/- 30	% of the	mean	

1.4 Sample Spike (Spike Level = 1 ug)

Customer Ref.			Sam	ple			Esf1	DDT	DDD	DDE	Es
Drillhole No.		epth,	m	Туре	Specimen	Batch					i i
	No.	From	То		Depth m		%	%	%	%	%
LCS	N/A	N/A	N/A		N/A	1	108	86	106	106	101
										,	
	Contro	Limit		·	· · · · · · · · · · · · · · · · · · ·	·		7	0-130 %		

Notes:

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

Tel: (852) 2897 3282

Report No.

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Project Name

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Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

: Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

1.3 QC Sample (Spike Level = 1 ug)

Customer Ref.			Sam	ple			A-BHC	в-внс	G-BHC	D-BHC	Htc	Am	HE
Drillhole No.	E	epth, n	n	Туре	Specimen	Batch							
	No.	From	To		Depth m		%	%	%	%	%	%	%
LCS	N/A	N/A	N/A		N/A	1	97	101	89	98	93	99	95
											_		
								<u> </u>					
	Control Limit							<u> </u>	<u> 7</u>	0 - 130 ⁵	%		

1.4 Method Blank

Customer Ref.			Sam	ple			A-BHC	в-внс	G-BHC	D-BHC	Htc	Arn	HE
Drillhole No.] [epth, r	n	Туре	Specimen	Batch							
	No.	From	То		Depth m		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
N/A	N/A	N/A	N/A		N/A	1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
		:											
					.								
_	-							<u> </u>					
							<u> </u>						
	C	ontrol l	Limit						7	'0-130 %	0		

Notes:

Report No.

: 106782N

Project Name

: Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

: Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

2.3 QC Sample (Spike Level = 1 ug)

Customer Ref.			Sam	ple			Esf1	DDT	DDD	DDE	Es
Drillhole No.		epth,	m	Туре	Specimen	Batch					
	No.	From	То		Depth m		%	%	%	%	%
LCS	N/A	N/A	N/A		N/A	1	96	80	95	96	92
	 		 · · ·				 ,				
					<u> </u>						
	Co	ontrol L	imit					7	0 - 130 <u>9</u>	%	

2.4 Method Blank

Customer Ref.			Sam	ple			Esf1	DDT	DDD	DDE	Es
Drillhole No.	1	Depth,	m	Туре	Specimen	Batch]			
	No.	From	То		Depth m		ug/L	ug/L	ug/L	ug/L	ug/L
N/A	N/A	N/A	N/A		N/A	1	<0.10	<0.10	<0.10	<0.10	<0.10
······································	 										
	 	-									
								•			
	Co	ontrol L	.imit					Less tha	n repor	ling limit	

Notes:

Report No.

: 106778N(1)

Project Name

: Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

: Gammon Construction Limited

Address

: 28/F Devon House, Taikoo Place, 979 King's Road, Hong Kong.

Lab Job No.

Test Period

: J656

Lab Sample No.

: 21084, 21126, 21129, 21174

Sample Description

: 73 elutriate samples said to be saline water

Sample Receipt Date

: 18 June 2008 - 24 July 2008 : 23 June 2008 - 7 August 2008

Test Information

CODE	Test Parameter	Reporting Limit	Test Procedure
		ug/L	
A-BHC	Alpha-BHC	0.10	W/O/Pesticide
B-BHC	Beta-BHC	0.10	W/O/Pesticide
G-BHC	Gamma BHC	0.10	W/O/Pesticide
D-BHC	Delta-BHC	0.10	W/O/Pesticide
Htc	Heptachlor	0.10	W/O/Pesticide
Arn	Aldrin	0.10	W/O/Pesticide
HE	Heptachlor epoxide	0.10	W/O/Pesticide
Esf1	Endosulfan 1	0.10	W/O/Pesticide
DDT	p,p'-DDT	0.10	W/O/Pesticide
DDD	p,p'-DDD	0.10	W/O/Pesticide
DDE	p,p'-DDE	0.10	W/O/Pesticide
Es	Endosulfan sulfate	0.10	W/O/Pesticide

Notes:

- This report shall not be reproduced, except in full, without prior approval from Lam Laboratories Ltd.
- Results relate to samples as received. 2.
- < = less than
- N/A = Not applicable 4
- 5. Test results satisfy all in-house QA/QC protocols as attached.
- Test description (for in-house methods only) as follows: W/O/Pesticide:Solvent extraction and GC-MS Quantification.
- The elutriate samples were prepared according to contract agreed procedure. 7.
- This report superseds the one, 106778N, dated 25/8/2008.

Authorized Signatory

Vong∕Yau Tin (Operations Manager)

Issue Date: 18 Sept. 2008

Report No.

106778N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

Customer Ref.			Samp	ole		A-BHC	B-BHC	G-BHC	D-BHC	Htc	Arn	HE
Drillhole No.	1	Depth, r	n	Туре	Specimen							
	No.	From	To		Depth m	ug/L	ug/L	ug/L	ug/L	ug/L_	ug/L	ug/L
Elutriate VC-37(0.0-0.9m)+VC-37												
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-37(0.9-1.9m)+VC-37												
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-37(1.9-2.9m)+VC-37												
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-37(2.9-5.9m)+VC-37	1											
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-37(5.9-8.9m)+VC-37												
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-35(0.0-0.9m)+VC-35												
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-35(0.9-1.9m)+VC-35												
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-35(1.9-2.9m)+VC-35												
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-35(2.9-5.9m)+VC-35	l											
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-35(5.9-8.9m)+VC-35					N.174		.0.40	.0.40	ا مده.	.0.40	.0.40	.040
marine water	N/A	N/A	N/A	-	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-31(0.0-0.9m)+VC-31 marine water	١		A 1 / A		N1/A	-0.40	-0.40	40.40	<0.10	40.40	-0.40	<0.10
	N/A	N/A	N/A	-	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-31(0.9-1.9m)+VC-31 marine water	N/A	NI/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-31(1.9-2.9m)+VC-31	INIA	N/A	IWA	<u> </u>	IN/A	<0.10	~0.10	<u> </u>	<u>~0.10</u>	\0.10	\0.10	70.10
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-31(2.9-5.9m)+VC-31	18/7	19//3	IN//		1977	~0.10	~0.10	₹0.10	10.10	70.10	70.10	70.10
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-31(5.9-8.9m)+VC-31	I NA	1,073	14// 1	1	14// (-0.10	-0.10	10.10	10.10	-0.10	-0.10	-0.10
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-21(0.0-0.9m)+VC-21	1373	1071	1407		7 477 1	<u> </u>	-0.10	5	5119.	01.10	- 0110	01.10
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-21(0.9-1.9m)+VC-21	1											
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-21(1.9-2.9m)+VC-21		İ				İ						
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-21(2.9-5.9m)+VC-21												
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-33(0.0-0.9m)+VC-33												
marine water	N/A	N/A	N/A	<u> </u>	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10

Report No.

106778N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

Customer Ref.			Samp	ole		A-BHC	B-BHC	G-BHC	D-BHC	Htc	Am	HE
Drillhole No.	ı	Depth, r	n	Туре	Specimen							
	No.	From	To		Depth m	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Elutriate VC-33(0.9-1.9m)+VC-33												
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-33(1.9-2.9m)+VC-33												
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-23(0.0-0.9m)+VC-23				1								
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-23(0.9-1.9m)+VC-23							ļ					
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-23(1.9-2.9m)+VC-23												
marine water	N/A	N/A	N/A	<u> </u>	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-23(2.9-5.9m)+VC-23												
marine water	N/A	N/A	N/A	<u> </u>	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-23(5.9-8.9m)+VC-23										.0.40	-0.40	.0.40
marine water	N/A	N/A	N/A	ļ	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-3(0.0-0.9m)+VC-3								-0.40	-0.40	-0.40	-0.40	<0.10
marine water	N/A	N/A	N/A	-	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-3(0.9-1.9m)+VC-3						-0.40	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
marine water	N/A	N/A	N/A	-	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-3(1.9-2.9m)+VC-3 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-3(2.9-5.9m)+VC-3	INIA	INA	INIA	 	I IWA	<u> </u>	<u> </u>	-0.10	~0.10	~0.10	~0.10	~0.10
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-5(0.0-0.9m)+VC-5	18/7	100	IWA	\vdash	10//	30.10	10.10	-0.10	10.10	10.10	10.10	-0.10
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-5(0.9-1.9m)+VC-5	1407.5	1907	1477	 		-0.10	10.10	10.10	5.10	-0.70		0.70
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-5(1.9-2.9m)+VC-5	1.0	1071	1117	 			00					
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-5(2.9-5.9m)+VC-5	1					<u> </u>						
marine water	N/A	N/A	N/A	1	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1(0.0-0.9m)+VC-1								Ï				
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1(0.9-1.9m)+VC-1							,					
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1(1.9-2.9m)+VC-1						1						
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1(2.9-5.9m)+VC-1												
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-11(0.0-0.9m)+VC-11												
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10

Report No.

106778N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No. Test Results

21084, 21126, 21129, 21174

Customer Ref.			Samp	ole		A-BHC	в-внс	G-BHC	D-BHC	Htc	Am	HE
Drillhole No.	I	Depth, r	n	Туре	Specimen							
	No.	From	To		Depth m	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Elutriate VC-11(0.9-1.9m)+VC-11												
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-11(1.9-2.9m)+VC-11												
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-11(2.9-5.9m)+VC-11												
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-7(0.0-0.9m)+VC-7	l		l .			0.40			.0.40		.0.40	.0.40
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-7(0.9-1.9m)+VC-7	١				B1/8	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-7(1.9-2.9m)+VC-7	l NIZA	N/A	N/A		N/A	-040	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
marine water	N/A	N/A	IN/A		N/A	<0.10	<0.10	<0.10	<0.10	~0.10	V0.10	VU. 10
Elutriate VC-7(2.9-5.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-9 (1.9-2.9m)+VC-9	IVA	INIA	19/4		IVA	~0.10	~0.10	~0.10	70.10	70.10	10.10	V0.10
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-9 (2.9-5.9m)+VC-9	14/2	1407	19/7	├─	11//	40,10	70.10	70.10	-0.10	-0.10	70.10	-0.10
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-19(0.0-0.9m)+VC-19	1,77	1 1 1 1	- 1171		.,,,,	300		0.70	0.10			
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-19(0.9-1.9m)+VC-19	1											
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-19(1.9-2.9m)+VC-19		i										
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-19(2.9-5.9m)+VC-19												
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-13(0.0-0.9m)+VC-13												
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-13(0.9-1.9m)+VC-13												ŀ
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-13(1.9-2.9m)+VC-13	1		1			:						
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-13(2.9-5.9m)+VC-13	l .											
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-15(0.0-0.9m)+VC-15	 ,,,,	,,,,	,,,,			10.10	.0.10	-0.40	ا مدمد ا	ا مد مد	10.10	
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-15(0.9-1.9m)+VC-15	L LUA	NI/A	NI/A		NI/A	-0.40	-0.40	-0.40	040	-040	-0.40	-0.40
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-15(1.9-2.9m)+VC-15 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
maine water	IN/A	INA	INIA	<u> </u>	IN/A	~U.IU	~0.10	~0.10	70.10	-0.10	-0.10	~0.10

Report No.

106778N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

Customer Ref.			Sam	ole		A-BHC	в-внс	G-BHC	D-BHC	Htc	Am	HE
Drillhole No.	[Depth, r	n _	Type	Specimen							
	No.	From	То		Depth m	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Elutriate VC-15(2.9-5.9m)+VC-15										ļ		
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-17 (0.0-0.9m)+VC-17							ľ					
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-17 (0.9-1.9m)+VC-17		1										
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-17 (1.9-2.9m)+VC-17				1					i			
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-17 (2.9-5.9m)+VC-17												
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-9 (0.0-0.9m)+VC-9							İ					
marine water	N/A	N/A	N/A	<u> </u>	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-9 (0.9-1.9m)+VC-9							l	1			.0.40	.0.40
marine water	N/A	N/A	N/A	<u>.</u>	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1A(0.0-0.9m)+VC-1A										-0.40	-0.40	-0.40
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1A(0.9-1.9m)+VC-1A						.				.0.40	-0.40	-0.40
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1A(1.9-2.9m)+VC-1A	l		l				مدها	.040	-0.40	-0.40	-0.40	-0.40
marine water	N/A	N/A	N/A	-	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1A(2.9-5.9m)+VC-1A		l	l				مدما	-0.40	-0.40	40.40	-0.40	-0.10
marine water	N/A	N/A	N/A	╄	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-33B(2.9-5.9m)+VC-33B			.,,,	1	l NVA	-0.40	-0.10		40.40	-0.10	-0.10	<0.10
marine water	N/A	N/A	N/A	_	N/A_	<0.10	<0.1 <u>0</u>	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-33B(5.9-8.9m)+VC-33B			,,,,		L	-0.40	10.40	-0.40	-0.10	-0.10	-0.10	-0.10
marine water	N/A	N/A	N/A_	<u> </u>	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10

Report No.

106778N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

Customer Ref.			Samp	e		Esf1	DDT	DDD	DDE	Es
Drillhole No.	1	Depth, r	n	Туре	Specimen					
	No.	From	То		Depth m	ug/L	ug/L	ug/L	ug/L	ug/L
Elutriate VC-37(0.0-0.9m)+VC-37										
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-37(0.9-1.9m)+VC-37	ļ									
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-37(1.9-2.9m)+VC-37										
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-37(2.9-5.9m)+VC-37	l									
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-37(5.9-8.9m)+VC-37										
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-35(0.0-0.9m)+VC-35										
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-35(0.9-1.9m)+VC-35						,				
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-35(1.9-2.9m)+VC-35										
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-35(2.9-5.9m)+VC-35	l								}	
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-35(5.9-8.9m)+VC-35	l									
marine water	N/A	N/A	N/A	ļ	N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-31(0.0-0.9m)+VC-31	l									
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-31(0.9-1.9m)+VC-31	l									ا ا
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-31(1.9-2.9m)+VC-31	l	l								
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-31(2.9-5.9m)+VC-31	l	l								
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-31(5.9-8.9m)+VC-31	l					-0.40	.0.40			
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-21(0.0-0.9m)+VC-21	l			ŀ		.0.40	-0.40	.0.40	-0.40	ا مدمد
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-21(0.9-1.9m)+VC-21		3.174	h ! / #		31/4	.0.40	.0.40	-0.40	.040	
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-21(1.9-2.9m)+VC-21			N. / / A		NIZA	-0.40	40.40	40.40	40.40	,, ,,
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-21(2.9-5.9m)+VC-21 marine water		N//A	N//A		NI/A	-0.10	-0.40	-0.40	-0.40	ا مدمد ا
	N/A	N/A	N/A	 	N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-33(0.0-0.9m)+VC-33 marine water	N/A	N/A	N/A	l	NIA	-0.10	<0.10	<0.10	<0.10	<0.10
Illainie watei	I IVA	IN/A	IN/A	L	N/A	<0.10	<u>~0.10</u>	~ 0.10	\ \0.10	<u> </u>

Report No.

106778N(1)

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Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

Customer Ref.			Sampl	е		Esf1	DDT	DDD	DDE	Es
Drillhole No.		Depth, n	n	Туре	Specimen					
	No.	From	То		Depth m	ug/L	ug/L	ug/L	ug/L	ug/L
Elutriate VC-33(0.9-1.9m)+VC-33										
marine water	N/A	N/A	N/A	<u> </u>	N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-33(1.9-2.9m)+VC-33										
marine water	N/A	N/A	N/A	<u> </u>	N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-23(0.0-0.9m)+VC-23										
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-23(0.9-1.9m)+VC-23										
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-23(1.9-2.9m)+VC-23		1						0.40	.0.40	.0.40
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-23(2.9-5.9m)+VC-23							-0.40	-0.40	.0.40	-0.40
marine water	N/A	N/A_	N/A	ļ	N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-23(5.9-8.9m)+VC-23		 				10.40	-0.40	-0.40	-0.40	-0.40
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-3(0.0-0.9m)+VC-3 marine	.,,,	N1/A	.,,,		N//A	40.40	-0.10	<0.10	<0.10	<0.10
water	N/A	N/A	N/A	┾	N/A	<0.10	<0.10	70.10	<u> </u>	~0.10
Elutriate VC-3(0.9-1.9m)+VC-3 marine	\ \	L NUA	NIZA.	ļ	N/A	<0.10	<0.10	<0.10	<0.10	<0.10
water	N/A	N/A	N/A	 	IN/A	<u> </u>	~0.10	~0.10	~0.10	~0.10
Elutriate VC-3(1.9-2.9m)+VC-3 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-3(2.9-5.9m)+VC-3 marine	IN/A	INA	INA	├	INA	~0.10	-0.10	40.10	VO. 10	40.10
water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-5(0.0-0.9m)+VC-5 marine	10//	INA	19//	 	1807	30.10	-0.10	40.10	-0.10	10.10
water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-5(0.9-1.9m)+VC-5 marine	INIZ	IVA	IWA	1	14/7	40.10	-0.10	-0.10	-0.10	3.10
water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-5(1.9-2.9m)+VC-5 marine	14/7	1 1 1 1	1407.		1,117	-0.10	3.15	0.10	57.0	
water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-5(2.9-5.9m)+VC-5 marine	1	1	1	i						
water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1(0.0-0.9m)+VC-1 marine					·					
water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1(0.9-1.9m)+VC-1 marine		1								
water	N/A	N/A	N/A	-	N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1(1.9-2.9m)+VC-1 marine										
water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1(2.9-5.9m)+VC-1 marine		l								
water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-11(0.0-0.9m)+VC-11								1]	
marine water	N/A	N/A	N/A	}	N/A	<0.10	<0.10	<0.10	<0.10	<0.10

Report No.

106778N(1)

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Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.
Test Results

21084, 21126, 21129, 21174

Customer Ref.			Sampl	е		Esf1	DDT	DDD	DDE	Es
Drillhole No.		Depth, r	n	Туре	Specimen		:			
	No.	From	To		Depth m	ug/L_	ug/L	ug/L	ug/L	ug/L
Elutriate VC-11(0.9-1.9m)+VC-11										
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-11(1.9-2.9m)+VC-11										
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-11(2.9-5.9m)+VC-11										
marine water	N/A	N/A	N/A	ļ	N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-7(0.0-0.9m)+VC-7 marine] :					.0.40		.0.40	امدورا
water	N/A	N/A	N/A	ļ	N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-7(0.9-1.9m)+VC-7 marine						-0.40	-0.40	-0-40	-0.40	40.40
water	N/A	N/A	N/A	<u> </u>	N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-7(1.9-2.9m)+VC-7 marine	NI/A	31/4	N//A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
water	N/A_	N/A	N/A		N/A	<0.10	~0.10	~ 0.10	\0.10	-0.10
Elutriate VC-7(2.9-5.9m)+VC-7 marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-9 (1.9-2.9m)+VC-9 marine	INA	INA	INIA		INIA	~0.10	70.10	~0.10	~0.10	-0.10
water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-9 (2.9-5.9m)+VC-9 marine	1007	INA	INA	1	13073	40,10	, vo. 10	40.10	-0,10	-0.10
water	N/A	N/A	N/A	ļ	N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-19(0.0-0.9m)+VC-19	1477	14.7		1	, , , ,	5.1.5				
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-19(0.9-1.9m)+VC-19				 						
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-19(1.9-2.9m)+VC-19	_	1								
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-19(2.9-5.9m)+VC-19										
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-13(0.0-0.9m)+VC-13										
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-13(0.9-1.9m)+VC-13				1						
marine water	N/A_	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-13(1.9-2.9m)+VC-13										
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-13(2.9-5.9m)+VC-13				l	'					
marine water	N/A	N/A	N/A	ļ <u>.</u>	N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-15(0.0-0.9m)+VC-15	.,		1 ,				.0.5	.0.10	.0.40	ا مدمد ا
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-15(0.9-1.9m)+VC-15	 ,		L		L	40.40	-0.40	-0.40		امدمدا
marine water	N/A	N/A	N/A	 	N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-15(1.9-2.9m)+VC-15			L NIZA	1	N1/A	-0.10	-0.40	-0.10	-0.10	<0.10
marine water	N/A	N/A	N/A	<u></u>	N/A	<0.10	<0.10	<0.10	<0.10	_ <0.10

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Lab Job No.

J656

:

Lab Sample No.

21084, 21126, 21129, 21174

Test Results

Customer Ref.			Samp	_		Esf1	DDT	DDD	DDE	Es
Drillhole No.		Depth, r	n	Type	Specimen					
	No.	From	P		Depth m	ug/L	ug/L	ug/L	ug/L	ug/L
Elutriate VC-15(2.9-5.9m)+VC-15										·
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-17 (0.0-0.9m)+VC-17										ı
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-17 (0.9-1.9m)+VC-17										
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-17 (1.9-2.9m)+VC-17										
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-17 (2.9-5.9m)+VC-17										
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-9 (0.0-0.9m)+VC-9 marine		!								,
water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-9 (0.9-1.9m)+VC-9 marine				Ì						
water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1A(0.0-0.9m)+VC-1A			ļ							
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1A(0.9-1.9m)+VC-1A										
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1A(1.9-2.9m)+VC-1A		}	1							
marine water	N/A	N/A	N/A	<u> </u>	N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-1A(2.9-5.9m)+VC-1A										
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-33B(2.9-5.9m)+VC-33B										
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10
Elutriate VC-33B(5.9-8.9m)+VC-33B										
marine water	N/A	N/A	N/A		N/A	<0.10	<0.10	<0.10	<0.10	<0.10

---- End of Report ----

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QC Results

1.1 Sample Duplicate

Customer Ref.			Sam	ple			A-BHC	в-внс	G-BHC	D-BHC	Htc	Arn	HE
Drillhole No.	Ç	epth, n	n	Туре	Specimen	Batch							
	No.	From	То		Depth m		%	%	%	%	%	%	%
21084/1	N/A	N/A	N/A		N/A	1	na*	na*	na*	na*	na*	na*	na*
21126/14	N/A	N/A	N/A		N/A	2	na*	na*	na*	na*	na*	na*	na*
Elutriate VC-21(1.9-2.9m)+VC- 21 marine water	N/A	N/A	N/A		N/A	3	na*	na*	na*	na*	na*	na*	na*
Elutriate VC-15(2.9-5.9m)+VC- 15 marine water	N/A	N/A	N/A		N/A	4	na*	na*	na*	na*	na*	na*	na*
	Contro	ol Limit							+/- 30	% of the	mean		

1.2 Sample Spike (Spike Level = 1 ug)

Customer Ref.			Sam	ple			A-BHC	в-внс	G-BHC	D-BHC	Htc	Arn	HE
Drillhole No.	C	epth, r	n	Туре	Specimen	Batch							
	No.	From	То		Depth m		%	%	%	%	%	%	%
	N/A	N/A	N/A		N/A	1	116	120	112	118	109	118	116
LCS													
	N/A	N/A	N/A		N/A	2	112	115	103	110	104	112	109
LCS		<u> </u>											
	N/A	N/A	N/A		N/A	3	115	119	107	113	104	116	111
LCS											<u> </u>		
	N/A	N/A	N/A		N/A	4	115	119	108	116	104	117	115
LCS													
	Contr	ol Limit							7	0-130 %	,		

Notes:

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

2. LCS = Laboratory Control Sample

Authorized Signatory

Issue Date:

18 Sept. 2008

/Wong Yau Tirh (Operations Manager)

Report No.

106778N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

: Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

1.1 Sample Duplicate

Customer Ref.			Sam	ple			A-BHC	в-внс	G-BHC	D-BHC	Htc	Arn	HE
Drillhole No.	ב	Depth, r	n	Туре	Specimen	Batch]				
	No.	From	To		Depth m		%	%	%	%	%	%	%
Elutriate VC-11(2.9-5.9m)+VC- 11 marine water	N/A	N/A	N/A		N/A	5	na*	na*	na*	na*	na*	na*	na*
Elutriate VC-1A(0.9-1.9m)+VC- 1A marine water	N/A	N/A	N/A		N/A	6	na*	na*	na*	na*	па*	na*	na*
		ļ											
	Contr	ol Limit							+/- 30	% of the	mean		

1.2 Sample Spike (Spike Level = 1 ug)

Customer Ref.			Sam	ple			A-BHC	B-BHC	G-BHC	D-BHC	Htc	Arn	HE
Drillhole No.		epth, r	n	Туре	Specimen	Batch							
	No.	From	То		Depth m		%	%	%	%	%	%	%
	N/A	N/A	N/A		N/A	5	120	113	117	111	101	118	11
LCS				1									<u> </u>
	N/A	N/A	N/A		N/A	6	102	106	106	113	93	109	11
LCS													
							<u> </u>						
	Contr	ol Limit							7	0-130 %	i.		

Notes:

- na* = Relative deviation (RD) for duplicates cannot be evaluated as the value determined is lower than reporting limit.
- 2. LCS = Laboratory Control Sample

Report No.

106778N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

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Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

1.3 Sample Duplicate

Customer Ref.			Sam	ple			Esf1	DDT	DDD	DDE	Es
Drilihole No.		epth, i	m	Type	Specimen	Batch					
	No.	From	То		Depth m		%	%	%	%	%
	N/A	N/A	N/A		N/A	1	na*	na*	na*	na*	na*
21084/1				l							
	N/A	N/A	N/A	!	N/A	2	na*	na*	na*	па*	na*
21126/14											
Elutriate VC-21(1.9-2.9m)+VC-21 marine water	N/A	N/A	N/A		N/A	3	na*	па*	na*	na*	na*
Elutriate VC-15(2.9-5.9m)+VC-15 marine water	N/A	N/A	N/A		N/A	4	na*	na*	na*	na*	na*
	Contro	Limit						+/- 30	% of the	mean	

1.4 Sample Spike (Spike Level = 1 ug)

Customer Ref.			Sam	ple			Esf1	DDT	DDD	DDE	Es
Drillhole No.	[Depth,	m	Туре	Specimen	Batch					
	No.	From	Р		Depth m		%	%	%	%	%
	N/A	N/A	N/A		N/A	1	116	95	107	110	104
LCS											
	N/A	N/A	N/A		N/A	2	108	86	106	106	101
LCS]									
	N/A	N/A	N/A		N/A	3	110	90	106	109	102
LCS	<u> </u>										
	N/A	N/A	N/A		N/A	4	112	91	106	109	107
LCS											
	Contro	l Limit						7	′0-130 %	6	

Notes:

- na* = Relative deviation (RD) for duplicates cannot be evaluated as the value determined is lower than reporting limit.
- 2. LCS = Laboratory Control Sample

Report No.

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Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

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Customer

: Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

1.3 Sample Duplicate

Customer Ref.			Sam	ple			Esf1	DDT	DDD	DDE	Es
Drillhole No.	. [Depth, r	n	Туре	Specimen	Batch					
	No.	From	To		Depth m		%	%	%	%	%
Elutriate VC-11(2.9-5.9m)+VC-11 marine water	N/A	N/A	N/A		N/A	5	na*	na*	па*	na*	na*
Elutriate VC-1A(0.9-1.9m)+VC-1A marine water	N/A	N/A	N/A		N/A	6	na*	na*	na*	na*	na*
	Contro	l Limit						+/- 30	% of the	mean	

1.4 Sample Spike (Spike Level = 1 ug)

Customer Ref.			Sam	ple			Esf1	DDT	DDD	DDE	Es
Drillhole No.	[[epth,	m	Туре	Specimen	Batch					
	No.	From	То		Depth m		%	%	%	%	%
	N/A	N/A	N/A		N/A	5	118	93	113	114	113
LCS											
	N/A	N/A	N/A		N/A	6	119	118	120	111	116
LCS											
· · ·											
									<u> </u>		
	Contro	l Limit						7	'0-130 %	, o	

Notes:

- na* = Relative deviation (RD) for duplicates cannot be evaluated as the value determined is lower than reporting limit.
- 2. LCS = Laboratory Control Sample

Report No.

: 106778N(1)

Project Name

Ground Investigations Works for installation of

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Customer

: Gammon Construction Limited

Lab Job No.

J656

Lab Sample No. : 21084, 21126, 21129, 21174

QC Results

QC Sample (Spike Level = 1 ug) 1.3

Customer Ref.		-	Sam	ple			A-BHC	B-BHC	G-BHC	D-BHC	Htc	Am	HE
Drillhole No.		epth, r	n	Туре	Specimen	Batch							
	No.	From	То		Depth m		%	%	%	%	%	%	%
LCS	N/A	N/A	N/A		N/A	1	102	106	100	104	97	107	102
LCS	N/A	N/A	N/A		N/A	2	97	101	89	98	93	99	95
LCS	N/A	N/A	N/A		N/A	3	100	104	92	100	93	101	98
LCS	N/A	N/A	N/A		N/A	4	101	104	93	101	96	103	99
	С	ontrol l	imit						7	0 - 130 9	%		

1.4 Method Blank

Customer Ref.			Sam	ple			A-BHC	в-внс	G-BHC	D-BHC	Htc	Arn	HE
Drillhole No.		epth, r	n	Туре	Specimen	Batch							
	No.	From	Т		Depth m		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
N/A	N/A	N/A	N/A		N/A	1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
N/A	N/A	N/A	N/A		N/A	2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
N/A	N/A	N/A	N/A	;	N/A	3	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
N/A	N/A	N/A	N/A		N/A	4	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	C	ontrol i	imit	l	l			l	7	0-130 %	<u> </u>		

Notes:

1. LCS = Laboratory Control Sample

Tel: (852) 2897 3282

Report No.

106778N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

from Ma Tau Kok to North Point for Former Kai Tak Airport Development

Customer

: Gammon Construction Limited

Lab Job No.

: J656

Lab Sample No. QC Results

21084, 21126, 21129, 21174

1.3 QC Sample (Spike Level = 1 ug)

Customer Ref.			Sam	ple			A-BHC	в-внс	G-BHC	D-BHC	Htc	Arn	HE
Drillhole No.		epth, r	n	Туре	Specimen	Batch					;		
	No.	From	То		Depth m		%	%	%	%	%	%	%
LCS	N/A	N/A	N/A		N/A	5	104	109	87	106	96	102	100
LCS	N/A	N/A	N/A		N/A	6	115	119	113	116	96	110	110
												•	
	<u> </u>	ontrol	Limit	·					7	0 - 130 °	%	·	

1.4 Method Blank

Customer Ref.			Sam	ple			A-BHC	в-внс	G-BHC	D-BHC	Htc	Arn	HE
Drillhole No.		epth, r	n	Туре	Specimen	Batch							
	No.	From	То		Depth m		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
N/A	N/A	N/A	N/A		N/A	5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
N/A	N/A	N/A	N/A		N/A	6	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	<u> </u>												
	C	ontrol I	Limit					l	7	′0-130 %			

Notes:

Report No.

106778N(1)

Project Name

Ground Investigations Works for installation of

Submarine Gas Pipeline and Associated Facilities

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Customer

: Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

: 21084, 21126, 21129, 21174

QC Results

2.3 QC Sample (Spike Level = 1 ug)

Customer Ref.			Sam	ple			Esf1	DDT	DDD	DDE	Es
Drillhole No.		Depth, i	m	Туре	Specimen	Batch				i	
	No.	From	То		Depth m		%	%	%	%	%
LCS	N/A	N/A	N/A		N/A	1	99	87	96	98	94
LCS	N/A	N/A	N/A		N/A	2	96	80	95	96	92
LCS	N/A	N/A	N/A		N/A	3	97	82	96	96	93
LCS	N/A	N/A	N/A		N/A	4	97	85	94	96	92
	Co	ntrol L	imit					7	0 - 130 °	%	

2.4 Method Blank

Customer Ref.			Sam	ple			Esf1	DDT	DDD	DDE	Es
Drillhole No.		epth,	m	Туре	Specimen	Batch					
	No.	From	To		Depth m		ug/L	ug/L	ug/L	ug/L	ug/L
N/A	N/A	N/A	N/A		N/A	1	<0.10	<0.10	<0.10	<0.10	<0.10
N/A	N/A	N/A	N/A		N/A	2	<0.10	<0.10	<0.10	<0.10	<0.10
N/A	N/A	N/A	N/A		N/A	3	<0.10	<0.10	<0.10	<0.10	<0.10
N/A	N/A	N/A	N/A		N/A	4	<0.10	<0.10	<0.10	<0.10	<0.10
	Co	ntrol L	.imit					Less tha	an repor	ting limit	:

Notes:

Report No.

: 106778N(1)

Project Name

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Customer

Gammon Construction Limited

Lab Job No.

J656

Lab Sample No.

21084, 21126, 21129, 21174

QC Results

2.3 QC Sample (Spike Level = 1 ug)

Customer Ref.			Sam	ple			Esf1	DDT	DDD	DDE	Es
Drillhole No.		epth, i	m	Туре	Specimen	Batch					
	No.	From	То		Depth m		%	%	%	%	%
LCS	N/A	N/A	N/A		N/A	5	100	87	96	98	98
LCS	N/A	N/A	N/A		N/A	6	119	117	118	110	116
									<u> </u>		
	Co	ontrol L	.imit					7	<u>'0 - 130 '</u>	%	

2.4 Method Blank

Customer Ref.			Sam	ple			Esf1	DDT	DDD	DDE	Es
Drillhole No.	Ĺ	epth, i	m	Туре	Specimen	Batch					
	No.	From	То	l	Depth m		ug/L	ug/L	ug/L	ug/L	ug/L
N/A	N/A	N/A	N/A		N/A	5	<0.10	<0.10	<0.10	<0.10	<0.10
N/A	N/A	N/A	N/A		N/A	6	<0.10	<0.10	<0.10	<0.10	<0.10
			-								
	Co	ontrol L	.imit	<u> </u>	ļ <u>l</u>	-		Less tha	an repor	ting limit	į

Notes: