Please quote our reference in your reply

土木工程拓展署
CEDD Civil Engineering and Development Department

新界西及北拓展處
New Territories North and West Development Office

Web site 網址 : http://www.cedd.gov.hk
E-mail 電子郵件 : pytai@cedd.gov.hk
Telephone 電話 : (852) 2158 5629
Facsimile 傳真 : (852) 2693 2918
Our ref 本署檔號 : ( ) in NTNTPF 2/6/43 (E) Pt. 3
Your ref 來函檔號 :
Date 日期 : 19 January 2010

新界沙田上禾輋路 1 號
沙田政府合署 9 樓
9/F, Sha Tin Government Offices,
1 Sheung Wo Che Road,
Sha Tin,
New Territories, Hong Kong

By Post

Ove Arup & Partners Hong Kong Ltd.
Level 5, Festival Walk,
80 Tat Chee Avenue,
Kowloon Tong, Kowloon,
Hong Kong

(Attn.: Mr. Davis LEE)

ARUP	Job No. 192718		
	File No.		
Reply Ref.:	By:	Date	
Action Required:			
Received 20 JAN 2010			
Inits.	VL	CMNL	TC
Action			
Info.			
Copy			

Dear Sirs,

Agreement No. CE 61/2007 (CE)
North East New Territories New Development Areas
Planning and Engineering Study – Investigation

Final Laboratory Chemical Testing Report
for Land Contamination Impact Assessment (Site No. FLN-9a)

I enclose herewith a copy each of the memo from GEO ref. GCGP 2/A2/33-2009Q3-S03 dated 31.12.2009 and the captioned report (both hard and digital copy) for your reference.

Yours faithfully,

(Miss P Y TAI)
for Project Manager (New Territories North and West)
Civil Engineering and Development Department

Encl.

c.c. (w/o encl.)
CTP/SR, PlanD (Attn.: Ms. April KUN) Fax No. 2522 8524

Internal
SE/8 & E/1 – to note in file please

MEMO

From	CGE/GP, GEO	To	PM(NTN&W),CEDD
Ref.	( ) in GCGP 2/A2/33-2009Q3-S03	(Attn.:	Miss P Y TAI)
Tel. No.	2716 8611	Your Ref.	In
Fax. No.	2715 7572	dated	Fax. No. 2693 2918
Date	31 December 2009	Total Pages	1 + encl.

Contract No. GP/CBT/2009/03
Provision of Chemical Testing Service for Various Government Projects
Service Order No. GP/CBT/2009/03.03

Agreement No. CE 61/2007 (CE)
North East New Territories New Development Areas
Planning and Engineering Study Investigation
Request for Laboratory Chemical Testing Service for Land Contamination Impact Assessment
(Site No. FLN-9a)

Laboratory Testing Report (Final)

I enclose three copies of the final report (hard and digital copy in CD-Rom) for your retention and your onward transmission to your Consultants.

NEW TERRITORIES NORTH & WEST DEVELOPMENT OFFICE
- 4 JAN 2010
RECEIVED

(Alice M H Law)
for Chief Geotechnical Engineer/Geotechnical Projects
Geotechnical Engineering Office

Encl.

MHL/mhl

Civil Engineering and Development Department

Contract No. GP/CBT/2009/09
Provision of Chemical Testing Service for Various Government Projects
(Service Order No. GP/CBT/2009/03.03)

Test Report

September 2009

Approved By _____
(Laboratory Manager)

REMARKS:

The information supplied and contained within this report is, to the best of our knowledge, correct at the time of printing.

WELLAB accepts no responsibility for changes made to this report by third parties.

Wellab Limited
Room 1701, Technology Park,
18 On Lai Street,
Shatin, N.T.
Tel: (852) 2898 7388 Fax: (852) 2898 7076

WELLAB 匯力 Testing & Research

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Tel: 2898 7388 Fax: 2898 7076
Website: www.wellab.com.hk

TEST REPORT

APPLICANT: **Civil Engineering and Development Department**
23/F, Kwun Tong View,
410 Kwun Tong Road,
Kwoloon, Hong Kong

ATTN: **Ms. Alice Law**

Laboratory No.:	09354
Date of Issue:	2009-10-20
Date Received:	2009-09-21
Date Tested:	2009-09-21
Date Completed:	2009-10-19
Page:	1 of 6

Contract No. : GP/CBT/2009/03
Provision of Chemical Testing Service for Various Government Projects
Service Order No. : GP/CBT/2009/03.03
Sample Description : 9 samples as received by customer said to be Soil
Sampling Date : 2009-09-21
Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
1	Antimony	In-house method SOP053 (ICP-ES)& In-house method SOP093 & SOP094 (ICPMS)	0.2 mg/kg
2	Arsenic		0.1 mg/kg
3	Barium		0.2 mg/kg
4	Cadmium		0.1 mg/kg
5	Chromium III		0.2 mg/kg
6	Chromium VI	EPA 3060A	0.2 mg/kg
7	Cobalt	In-house method SOP053 (ICP-ES)& In-house method SOP093 & SOP094 (ICPMS)	0.2 mg/kg
8	Copper		0.2 mg/kg
9	Lead		0.2 mg/kg
10	Manganese	EPA 6020	1 mg/kg
11	Mercury	In-house method SOP053 (ICP-ES)& In-house method SOP093 & SOP094 (ICPMS)	0.05 mg/kg
12	Molybdenum		0.2 mg/kg
13	Nickel		0.2 mg/kg
14	Tin		0.2 mg/kg
15	Zinc		0.2 mg/kg

****

PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

Patrick Tse
PATRICK TSE
Laboratory Manager

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TEST REPORT

Laboratory No.:	09354
Date of Issue:	2009-10-20
Date Received:	2009-09-21
Date Tested:	2009-09-21
Date Completed:	2009-10-19

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
16	Acetone	EPA 8260 modified	0.1 mg/kg
17	Benzene		0.002 mg/kg
18	Bromodichloromethane		0.002 mg/kg
19	2-Butanone		0.03 mg/kg
20	Chloroform		0.002 mg/kg
21	Ethylbenzene		0.002 mg/kg
22	Methyl tert-Butyl Ether		0.002 mg/kg
23	Methylene Chloride		0.003 mg/kg
24	Styrene		0.002 mg/kg
25	Tetrachloroethene		0.002 mg/kg
26	Toluene		0.002 mg/kg
27	Trichloroethene		0.002 mg/kg
28	Xylenes (Total)		0.002 mg/kg
29	Acenaphthene	EPA 8270 (modified)	0.1 mg/kg
30	Acenaphthylene		0.1 mg/kg
31	Anthracene		0.1 mg/kg
32	Benzo(a)anthracene		0.1 mg/kg
33	Benzo(a)pyrene		0.1 mg/kg
34	Benzo(b)fluoranthene		0.1 mg/kg
35	Benzo(g,h,i)perylene		0.1 mg/kg
36	Benzo(k)fluoranthene		0.1 mg/kg
37	bis-(2-Ethylhexyl)phthalate		0.5 mg/kg
38	Chrysene		0.1 mg/kg
39	Dibenzo(a,h)anthracene		0.1 mg/kg
40	Fluoranthene		0.1 mg/kg
41	Fluorene		0.1 mg/kg
42	Hexachlorobenzene		0.2 mg/kg
43	Indeno(1,2,3-cd)pyrene		0.1 mg/kg
44	Napthalene		0.1 mg/kg
45	Phenanthrene		0.1 mg/kg
46	Phenol		0.2 mg/kg
47	Pyrene		0.1 mg/kg
48	Petroleum Carbon Range (C6-C8)	USEPA 8260	50 mg/kg
49	Petroleum Carbon Range (C9-C16)		50 mg/kg
50	Petroleum Carbon Range (C17-C35)		50 mg/kg

****

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TEST REPORT

Laboratory No.:	09354
Date of Issue:	2009-10-20
Date Received:	2009-09-21
Date Tested:	2009-09-21
Date Completed:	2009-10-19

Results:

Sample ID	FLN-9a-1 (0.5m)	FLN-9a -1 (1.0m)	FLN-9a-1 (1.5m)	FLN-9a-2 (0.5m)	FLN-9a -2 (1.0m)
Sample Number	09354-1	09354-2	09354-3	09354-4	09354-5
Antimony, mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Arsenic, mg/kg	3.8	3.5	3.9	3.4	3.6
Barium, mg/kg	25	22	18	26	24
Cadmium, mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chromium III, mg/kg	8.1	8.8	5.2	9.0	9.4
Chromium VI, mg/kg[2]	<0.2	<0.2	<0.2	<0.2	<0.2
Cobalt, mg/kg	0.6	0.7	0.6	0.6	0.7
Copper, mg/kg	3.4	4.1	1.9	2.9	4.3
Lead, mg/kg, mg/kg	16	14	16	14	14
Manganese, mg/kg[2]	42	42	14	32	36
Mercury, mg/kg	0.33	0.10	0.13	0.10	0.07
Molybdenum, mg/kg	0.7	0.7	0.4	0.7	0.7
Nickel, mg/kg	1.1	1.1	0.9	1.1	1.5
Tin, mg/kg	0.6	0.6	0.4	0.6	0.6
Zinc, mg/kg	18	14	16	14	14
Acetone, mg/kg[2]	<0.1	<0.1	<0.1	<0.1	0.1
Benzene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Bromodichloromethane, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
2-Butanone, mg/kg[2]	<0.03	<0.03	<0.03	<0.03	<0.03
Chloroform, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Ethylbenzene, mg/kg[2]	<0.002	<0.002	<0.002	0.003	<0.002
Methyl tert-Butyl Ether, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Methylene Chloride, mg/kg[2]	0.006	0.003	0.004	0.009	0.012
Styrene, mg/kg[2]	<0.002	<0.002	0.003	0.011	0.003
Tetrachloroethene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Toluene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Trichloroethene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Xylenes (Total) , mg/kg[2]	<0.002	<0.002	<0.002	0.003	<0.002

Remark: 1) < = less than

2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada

****

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TEST REPORT

Laboratory No.:	09354
Date of Issue:	2009-10-20
Date Received:	2009-09-21
Date Tested:	2009-09-21
Date Completed:	2009-10-19

Results:

Sample ID	FLN-9a-1 (0.5m)	FLN-9a -1 (1.0m)	FLN-9a-1 (1.5m)	FLN-9a-2 (0.5m)	FLN-9a -2 (1.0m)
Sample Number	09354-1	09354-2	09354-3	09354-4	09354-5
Acenaphthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b)fluoranthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
bis-(2-Ethylhexyl)phthalate , mg/kg^2	<0.5	<0.5	<0.5	<0.5	<0.5
Chrysene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorobenzene , mg/kg^2	<0.2	<0.2	<0.2	<0.2	<0.2
Indeno(1,2,3-cd)pyrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Napthalene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Phenol , mg/kg^2	<0.2	<0.2	<0.2	<0.2	<0.2
Pyrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
C6-C8 , mg/kg	<50	<50	<50	<50	<50
C9-C16 , mg/kg	<50	<50	<50	<50	<50
C17-C35, mg/kg	<50	<50	<50	<50	<50

Remark: 1) < = less than

2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada

****

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TEST REPORT

Laboratory No.:	09354
Date of Issue:	2009-10-20
Date Received:	2009-09-21
Date Tested:	2009-09-21
Date Completed:	2009-10-19

Results:

Sample ID	FLN-9a-2 (1.5m)	FLN-9a-3 (0.5m)	FLN-9a -3 (1.0m)	FLN-9a-3 (1.5m)
Sample Number	09354-6	09354-7	09354-8	09354-9
Antimony, mg/kg	<0.2	<0.2	<0.2	<0.2
Arsenic, mg/kg	5.5	3.6	3.8	5.6
Barium, mg/kg	19	20	19	25
Cadmium, mg/kg	<0.1	<0.1	<0.1	<0.1
Chromium III, mg/kg	6.3	7.7	8.9	6.6
Chromium VI, mg/kg[2]	<0.2	<0.2	<0.2	<0.2
Cobalt, mg/kg	0.9	0.6	0.7	0.8
Copper, mg/kg	2.8	2.9	4.3	3.8
Lead, mg/kg, mg/kg	19	15	15	18
Manganese, mg/kg[2]	20	31	38	26
Mercury, mg/kg	0.08	0.16	0.12	0.11
Molybdenum, mg/kg	0.6	0.6	0.7	0.5
Nickel, mg/kg	1.1	1.2	1.2	1.1
Tin, mg/kg	0.5	0.6	0.6	0.4
Zinc, mg/kg	21	17	15	23
Acetone, mg/kg[2]	0.1	<0.1	<0.1	<0.1
Benzene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002
Bromodichloromethane, mg/kg[2]	<0.002	<0.002	<0.002	<0.002
2-Butanone, mg/kg[2]	<0.03	<0.03	<0.03	<0.03
Chloroform, mg/kg[2]	<0.002	<0.002	<0.002	<0.002
Ethylbenzene, mg/kg[2]	0.003	<0.002	<0.002	<0.002
Methyl tert-Butyl Ether, mg/kg[2]	<0.002	<0.002	<0.002	<0.002
Methylene Chloride, mg/kg[2]	0.005	0.005	0.025	0.048
Styrene, mg/kg[2]	<0.002	0.009	0.005	0.003
Tetrachloroethene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002
Toluene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002
Trichloroethene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002
Xylenes (Total) , mg/kg[2]	<0.002	0.003	<0.002	<0.002

Remark: 1) < = less than

2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada

****

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TEST REPORT

Laboratory No.:	09354
Date of Issue:	2009-10-20
Date Received:	2009-09-21
Date Tested:	2009-09-21
Date Completed:	2009-10-19

Results:

Sample ID	FLN-9a-2 (1.5m)	FLN-9a-3 (0.5m)	FLN-9a -3 (1.0m)	FLN-9a-3 (1.5m)
Sample Number	09354-6	09354-7	09354-8	09354-9
Acenaphthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Acenaphthylene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Anthracene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Benzo(b)fluoranthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
bis-(2-Ethylhexyl)phthalate , mg/kg^2	<0.5	<0.5	<0.5	<0.5
Chrysene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Fluoranthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Fluorene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Hexachlorobenzene , mg/kg^2	<0.2	<0.2	<0.2	<0.2
Indeno(1,2,3-cd)pyrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Napthalene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Phenanthrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Phenol , mg/kg^2	<0.2	<0.2	<0.2	<0.2
Pyrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
C6-C8 , mg/kg	<50	<50	<50	<50
C9-C16 , mg/kg	<50	<50	<50	<50
C17-C35, mg/kg	<50	<50	<50	<50

Remark: 1) < = less than

2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada

**********END OF REPORT**********

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Website: www.wellab.com.hk

TEST REPORT

APPLICANT: **Civil Engineering and Development Department**
23/F, Kwun Tong View,
410 Kwun Tong Road,
Kwoloon, Hong Kong

ATTN: **Ms. Alice Law**

Laboratory No.:	QC09354
Date of Issue:	2009-10-20
Date Received:	2009-09-21
Date Tested:	2009-09-21
Date Completed:	2009-10-19
Page:	1 of 8

QC report:
Method Blank

Parameter	Method Blank	Acceptance
Antimony, µg/L	<0.2	<0.2
Arsenic, µg/L	<0.2	<0.2
Barium, µg/L	<0.2	<0.2
Cadmium, µg/L	<0.1	<0.1
Chromium III, mg/kg	<0.2	<0.2
Chromium VI, mg/kg^2	<0.2	<0.2
Cobalt, µg/L	<0.2	<0.2
Copper, µg/L	<0.2	<0.2
Lead, µg/L	<0.2	<0.2
Manganese, mg/kg^2	<1	<1
Mercury, µg/L	<0.2	<0.2
Molybdenum, µg/L	<0.2	<0.2
Nickel, µg/L	<0.2	<0.2
Tin, µg/L	<0.2	<0.2
Zinc, µg/L	<0.4	<0.4
Acetone, mg/kg^2	<0.1	<0.1
Benzene, mg/kg^2	<0.002	<0.002
Bromodichloromethane, mg/kg^2	<0.002	<0.002
2-Butanone, mg/kg^2	<0.03	<0.03
Chloroform, mg/kg^2	<0.002	<0.002
Ethylbenzene, mg/kg^2	<0.002	<0.002
Methyl tert-Butyl Ether, mg/kg^2	<0.002	<0.002
Methylene Chloride, mg/kg^2	<0.003	<0.003

Remark: 1) < = less than
2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada
3) N/A = Not applicable

****

PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

Patrick Tse
PATRICK TSE
Laboratory Manager

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TEST REPORT

Laboratory No.:	QC09354
Date of Issue:	2009-10-20
Date Received:	2009-09-21
Date Tested:	2009-09-21
Date Completed:	2009-10-19

QC report:
Method Blank

Parameter	Method Blank	Acceptance
Styrene, mg/kg[2]	<0.002	<0.002
Tetrachloroethene, mg/kg[2]	<0.002	<0.002
Toluene, mg/kg[2]	<0.002	<0.002
Trichloroethene, mg/kg[2]	<0.002	<0.002
Xylenes (Total) , mg/kg[2]	<0.002	<0.002
Acenaphthene, mg/kg[2]	<0.1	<0.1
Acenaphthylene, mg/kg[2]	<0.1	<0.1
Anthracene, mg/kg[2]	<0.1	<0.1
Benzo(a)anthracene, mg/kg[2]	<0.1	<0.1
Benzo(a)pyrene, mg/kg[2]	<0.1	<0.1
Benzo(b)fluoranthene, mg/kg[2]	<0.1	<0.1
Benzo(g,h,i)perylene, mg/kg[2]	<0.1	<0.1
Benzo(k)fluoranthene, mg/kg[2]	<0.1	<0.1
bis-(2-Ethylhexyl)phthalate, mg/kg[2]	<0.5	<0.5
Chrysene, mg/kg[2]	<0.1	<0.1
Dibenzo(a,h)anthracene[2], mg/kg	<0.1	<0.1
Fluoranthene, mg/kg[2]	<0.1	<0.1
Fluorene, mg/kg[2]	<0.1	<0.1
Hexachlorobenzene, mg/kg[2]	<0.2	<0.2
Indeno(1,2,3-cd)pyrene, mg/kg[2]	<0.1	<0.1
Napthalene, mg/kg[2]	<0.1	<0.1
Phenanthrene, mg/kg[2]	<0.1	<0.1
Phenol, mg/kg[2]	<0.2	<0.2
Pyrene, mg/kg[2]	<0.1	<0.1
Petroleum Carbon Range (C6-C8), mg/kg	<10	<10
Petroleum Carbon Range (C9-C16), mg/kg	<10	<10
Petroleum Carbon Range (C17-C35), mg/kg	<10	<10

Remark: 1) < = less than
2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada
3) N/A = Not applicable

****

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Testing & Research

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TEST REPORT

Laboratory No.:	QC09354
Date of Issue:	2009-10-20
Date Received:	2009-09-21
Date Tested:	2009-09-21
Date Completed:	2009-10-19

QC report:
Method QC

Parameter	Method QC, %	Acceptance
Antimony, %	96	80-120%
Arsenic, %	93	80-120%
Barium, %	96	80-120%
Cadmium, %	91	80-120%
Chromium III, %	102	80-120%
Chromium VI, %[2]	94	85-115%
Cobalt, %	93	80-120%
Copper, %	96	80-120%
Lead, %	94	80-120%
Manganese, %[2]	100	75-125%
Mercury, %	91	80-120%
Molybdenum, %	102	80-120%
Nickel, %	101	80-120%
Tin, %	93	80-120%
Zinc, %	96	80-120%
Acetone, %[2]	89	60-140%
Benzene, %[2]	101	60-140%
Bromodichloromethane, %[2]	101	60-140%
2-Butanone, %[2]	91	60-140%
Chloroform, %[2]	105	60-140%
Ethylbenzene, %[2]	100	60-140%
Methyl tert-Butyl Ether, %[2]	105	60-140%
Methylene Chloride, %[2]	102	60-140%
Styrene, %[2]	101	60-140%
Tetrachloroethene, %[2]	100	60-140%
Toluene, %[2]	100	60-140%
Trichloroethene, %[2]	105	60-140%
Xylenes (Total) , %[2]	N/A	N/A
Acenaphthene, %[2]	104	30-130%

Remark: 1) < = less than
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TEST REPORT

Laboratory No.:	QC09354
Date of Issue:	2009-10-20
Date Received:	2009-09-21
Date Tested:	2009-09-21
Date Completed:	2009-10-19

QC report:
Method QC

Parameter	Method QC, %	Acceptance
Acenaphthylene, %[2]	98	30-130%
Anthracene, %[2]	97	30-130%
Benzo(a)anthracene, %[2]	114	30-130%
Benzo(a)pyrene, %[2]	114	30-130%
Benzo(b)fluoranthene, %[2]	103	30-130%
Benzo(g,h,i)perylene, %[2]	106	30-130%
Benzo(k)fluoranthene, %[2]	97	30-130%
bis-(2-Ethylhexyl)phthalate, %[2]	124	30-130%
Chrysene, %[2]	112	30-130%
Dibenzo(a,h)anthracene, %[2]	110	30-130%
Fluoranthene, %[2]	125	30-130%
Fluorene, %[2]	108	30-130%
Hexachlorobenzene, %[2]	98	30-130%
Indeno(1,2,3-cd)pyrene, %[2]	113	30-130%
Napthalene, %[2]	102	30-130%
Phenanthrene, %[2]	104	30-130%
Phenol, %[2]	45	30-130%
Pyrene, %[2]	113	30-130%
Petroleum Carbon Range (C6-C8), %	86	70-130%
Petroleum Carbon Range (C9-C16), %	91	70-130%
Petroleum Carbon Range (C17-C35), %	93	70-130%

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TEST REPORT

Laboratory No.:	QC09354
Date of Issue:	2009-10-20
Date Received:	2009-09-21
Date Tested:	2009-09-21
Date Completed:	2009-10-19

QC report:
Sample Spike

Parameter	Spike Recovery, %	Acceptance
Antimony, %	83	80-120%
Arsenic, %	96	80-120%
Barium, %	94	80-120%
Cadmium, %	93	80-120%
Chromium III, %	96	80-120%
Chromium VI, %[2]	N/A	75-125%
Cobalt, %	94	80-120%
Copper, %	89	80-120%
Lead, %	91	80-120%
Manganese, %[2]	N/A	75-125%
Mercury, %	86	80-120%
Molybdenum, %	96	80-120%
Nickel, %	93	80-120%
Tin, %	94	80-120%
Zinc, %	94	80-120%
Acetone, %[2]	106	60-140%
Benzene, %[2]	99	60-140%
Bromodichloromethane, %[2]	105	60-140%
2-Butanone, %[2]	102	60-140%
Chloroform, %[2]	104	60-140%
Ethylbenzene, %[2]	N/A	N/A
Methyl tert-Butyl Ether, %[2]	106	60-140%
Methylene Chloride, %[2]	101	60-140%
Styrene, %[2]	101	60-140%
Tetrachloroethene, %[2]	97	60-140%
Toluene, %[2]	101	60-140%
Trichloroethene, %[2]	102	60-140%
Xylenes (Total) , %[2]	N/A	N/A
Acenaphthene, %[2]	105	30-130%

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TEST REPORT

Laboratory No.:	QC09354
Date of Issue:	2009-10-20
Date Received:	2009-09-21
Date Tested:	2009-09-21
Date Completed:	2009-10-19

QC report:
Sample Spike

Parameter	Spike Recovery, %	Acceptance
Acenaphthylene, %[2]	99	30-130%
Anthracene, %[2]	98	30-130%
Benzo(a)anthracene, %[2]	116	30-130%
Benzo(a)pyrene, %[2]	121	30-130%
Benzo(b)fluoranthene, %[2]	116	30-130%
Benzo(g,h,i)perylene, %[2]	61	30-130%
Benzo(k)fluoranthene, %[2]	112	30-130%
bis-(2-Ethylhexyl)phthalate, %[2]	120	30-130%
Chrysene, %[2]	112	30-130%
Dibenzo(a,h)anthracene, %[2]	70	30-130%
Fluoranthene, %[2]	123	30-130%
Fluorene, %[2]	108	30-130%
Hexachlorobenzene, %[2]	96	30-130%
Indeno(1,2,3-cd)pyrene, %[2]	68	30-130%
Napthalene, %[2]	97	30-130%
Phenanthrene, %[2]	115	30-130%
Phenol, %[2]	42	30-130%
Pyrene, %[2]	113	30-130%
Petroleum Carbon Range (C6-C8), %	96	70-130%
Petroleum Carbon Range (C9-C16), %	98	70-130%
Petroleum Carbon Range (C17-C35), %	91	70-130%

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TEST REPORT

Laboratory No.:	QC09354
Date of Issue:	2009-10-20
Date Received:	2009-09-21
Date Tested:	2009-09-21
Date Completed:	2009-10-19

QC report:
Sample Duplicate

Parameter	RPD, %	Acceptance
Antimony, %	N/A	≤20%
Arsenic, %	11	≤20%
Barium, %	6	≤20%
Cadmium, %	<0.1	≤20%
Chromium III, %	N/A	≤20%
Chromium VI, %[2]	N/A	≤35%
Cobalt, %	6	≤20%
Copper, %	3	≤20%
Lead, %	4	≤20%
Manganese, %[2]	2	≤35%
Mercury, %	12	≤20%
Molybdenum, %	8	≤20%
Nickel, %	3	≤20%
Tin, %	3	≤20%
Zinc, %	9	≤20%
Acetone, %[2]	N/A	≤50%
Benzene, %[2]	N/A	≤50%
Bromodichloromethane, %[2]	N/A	≤50%
2-Butanone, %[2]	N/A	≤50%
Chloroform, %[2]	N/A	≤50%
Ethylbenzene, %[2]	N/A	≤50%
Methyl tert-Butyl Ether, %[2]	N/A	≤50%
Methylene Chloride, %[2]	N/A	≤50%
Styrene, %[2]	N/A	≤50%
Tetrachloroethene, %[2]	N/A	≤50%
Toluene, %[2]	N/A	≤50%
Trichloroethene, %[2]	N/A	≤50%
Xylenes (Total) , %[2]	N/A	≤50%
Acenaphthene, %[2]	N/A	≤50%

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TEST REPORT

Laboratory No.:	QC09354
Date of Issue:	2009-10-20
Date Received:	2009-09-21
Date Tested:	2009-09-21
Date Completed:	2009-10-19

QC report:
Sample Duplicate

Parameter	RPD, %	Acceptance
Acenaphthylene, %[2]	N/A	≤50%
Anthracene, %[2]	N/A	≤50%
Benzo(a)anthracene, %[2]	N/A	≤50%
Benzo(a)pyrene, %[2]	N/A	≤50%
Benzo(b)fluoranthene, %[2]	N/A	≤50%
Benzo(g,h,i)perylene, %[2]	N/A	≤50%
Benzo(k)fluoranthene, %[2]	N/A	≤50%
bis-(2-Ethylhexyl)phthalate, %[2]	N/A	≤50%
Chrysene, %[2]	N/A	≤50%
Dibenzo(a,h)anthracene, %[2]	N/A	≤50%
Fluoranthene, %[2]	N/A	≤50%
Fluorene, %[2]	N/A	≤50%
Hexachlorobenzene, %[2]	N/A	≤50%
Indeno(1,2,3-cd)pyrene, %[2]	N/A	≤50%
Napthalene, %[2]	N/A	≤50%
Phenanthrene, %[2]	N/A	≤50%
Phenol, %[2]	N/A	≤50%
Pyrene, %[2]	N/A	≤50%
Petroleum Carbon Range (C6-C8), %	N/A	≤20%
Petroleum Carbon Range (C9-C16), %	N/A	≤20%
Petroleum Carbon Range (C17-C35), %	N/A	≤20%

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**********END OF REPORT**********

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TEST REPORT

APPLICANT: **Civil Engineering and Development Department**
23/F, Kwun Tong View,
410 Kwun Tong Road,
Kwoloon, Hong Kong

ATTN: **Ms. Alice Law**

Laboratory No.:	09358
Date of Issue:	2009-10-20
Date Received:	2009-09-22
Date Tested:	2009-09-22
Date Completed:	2009-10-19

Contract No. : GP/CBT/2009/03
Provision of Chemical Testing Service for Various Government Projects

Service Order No. : GP/CBT/2009/03.03

Sample Description : 2 samples as received by customer said to be Soil

Sampling Date : 2009-09-22

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
1	Antimony	In-house method SOP053 (ICP-ES)& In-house method SOP093 & SOP094 (ICPMS)	0.2 mg/kg
2	Arsenic		0.1 mg/kg
3	Barium		0.2 mg/kg
4	Cadmium		0.1 mg/kg
5	Chromium III		0.2 mg/kg
6	Chromium VI	EPA 3060A	0.2 mg/kg
7	Cobalt	In-house method SOP053 (ICP-ES)& In-house method SOP093 & SOP094 (ICPMS)	0.2 mg/kg
8	Copper		0.2 mg/kg
9	Lead		0.2 mg/kg
10	Manganese	EPA 6020	1 mg/kg
11	Mercury	In-house method SOP053 (ICP-ES)& In-house method SOP093 & SOP094 (ICPMS)	0.05 mg/kg
12	Molybdenum		0.2 mg/kg
13	Nickel		0.2 mg/kg
14	Tin		0.2 mg/kg
15	Zinc		0.2 mg/kg

****

PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

Patrick Tse
PATRICK TSE
Laboratory Manager

WELLAB 匯力 Testing & Research

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TEST REPORT

Laboratory No.:	09358
Date of Issue:	2009-10-20
Date Received:	2009-09-22
Date Tested:	2009-09-22
Date Completed:	2009-10-19

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
16	Acetone	EPA 8260 modified	0.1 mg/kg
17	Benzene		0.002 mg/kg
18	Bromodichloromethane		0.002 mg/kg
19	2-Butanone		0.03 mg/kg
20	Chloroform		0.002 mg/kg
21	Ethylbenzene		0.002 mg/kg
22	Methyl tert-Butyl Ether		0.002 mg/kg
23	Methylene Chloride		0.003 mg/kg
24	Styrene		0.002 mg/kg
25	Tetrachloroethene		0.002 mg/kg
26	Toluene		0.002 mg/kg
27	Trichloroethene		0.002 mg/kg
28	Xylenes (Total)		0.002 mg/kg
29	Acenaphthene	EPA 8270 (modified)	0.1 mg/kg
30	Acenaphthylene		0.1 mg/kg
31	Anthracene		0.1 mg/kg
32	Benzo(a)anthracene		0.1 mg/kg
33	Benzo(a)pyrene		0.1 mg/kg
34	Benzo(b)fluoranthene		0.1 mg/kg
35	Benzo(g,h,i)perylene		0.1 mg/kg
36	Benzo(k)fluoranthene		0.1 mg/kg
37	bis-(2-Ethylhexyl)phthalate		0.5 mg/kg
38	Chrysene		0.1 mg/kg
39	Dibenzo(a,h)anthracene		0.1 mg/kg
40	Fluoranthene		0.1 mg/kg
41	Fluorene		0.1 mg/kg
42	Hexachlorobenzene		0.2 mg/kg
43	Indeno(1,2,3-cd)pyrene		0.1 mg/kg
44	Napthalene		0.1 mg/kg
45	Phenanthrene		0.1 mg/kg
46	Phenol		0.2 mg/kg
47	Pyrene		0.1 mg/kg
48	Petroleum Carbon Range (C6-C8)	USEPA 8260	50 mg/kg
49	Petroleum Carbon Range (C9-C16)		50 mg/kg
50	Petroleum Carbon Range (C17-C35)		50 mg/kg

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TEST REPORT

Laboratory No.:	09358
Date of Issue:	2009-10-20
Date Received:	2009-09-22
Date Tested:	2009-09-22
Date Completed:	2009-10-19

Results:

Sample ID	FLN-9a-3 (3m)	FLN-9a-3 (6m)
Sample Number	09358-1	09358-2
Antimony, mg/kg	<0.2	<0.2
Arsenic, mg/kg	8.9	1.4
Barium, mg/kg	21	6.3
Cadmium, mg/kg	<0.1	<0.1
Chromium III, mg/kg	5.5	5.2
Chromium VI, mg/kg[2]	<0.2	<0.2
Cobalt, mg/kg	1.6	2.6
Copper, mg/kg	3.5	3.6
Lead, mg/kg, mg/kg	30	30
Manganese, mg/kg[2]	13	24
Mercury, mg/kg	0.28	0.12
Molybdenum, mg/kg	0.5	0.6
Nickel, mg/kg	1.3	2.1
Tin, mg/kg	0.5	0.2
Zinc, mg/kg	48	32
Acetone, mg/kg[2]	<0.1	<0.1
Benzene, mg/kg[2]	<0.002	<0.002
Bromodichloromethane, mg/kg[2]	<0.002	<0.002
2-Butanone, mg/kg[2]	<0.03	<0.03
Chloroform, mg/kg[2]	<0.002	<0.002
Ethylbenzene, mg/kg[2]	<0.002	<0.002
Methyl tert-Butyl Ether, mg/kg[2]	<0.002	<0.002
Methylene Chloride, mg/kg[2]	0.043	<0.003
Styrene, mg/kg[2]	<0.002	<0.002
Tetrachloroethene, mg/kg[2]	<0.002	<0.002
Toluene, mg/kg[2]	<0.002	<0.002
Trichloroethene, mg/kg[2]	<0.002	<0.002
Xylenes (Total) , mg/kg[2]	<0.002	<0.002

Remark: 1) < = less than

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TEST REPORT

Laboratory No.:	09358
Date of Issue:	2009-10-20
Date Received:	2009-09-22
Date Tested:	2009-09-22
Date Completed:	2009-10-19

Results:

Sample ID	FLN-9a-3 (3m)	FLN-9a-3 (6m)
Sample Number	09358-1	09358-2
Acenaphthene , mg/kg[2]	<0.1	<0.1
Acenaphthylene , mg/kg[2]	<0.1	<0.1
Anthracene , mg/kg[2]	<0.1	<0.1
Benzo(a)anthracene , mg/kg[2]	<0.1	<0.1
Benzo(a)pyrene , mg/kg[2]	<0.1	<0.1
Benzo(b)fluoranthene , mg/kg[2]	<0.1	<0.1
Benzo(g,h,i)perylene , mg/kg[2]	<0.1	<0.1
Benzo(k)fluoranthene , mg/kg[2]	<0.1	<0.1
bis-(2-Ethylhexyl)phthalate , mg/kg[2]	<0.5	<0.5
Chrysene , mg/kg[2]	<0.1	<0.1
Dibenzo(a,h)anthracene , mg/kg[2]	<0.1	<0.1
Fluoranthene , mg/kg[2]	<0.1	<0.1
Fluorene , mg/kg[2]	<0.1	<0.1
Hexachlorobenzene , mg/kg[2]	<0.2	<0.2
Indeno(1,2,3-cd)pyrene , mg/kg[2]	<0.1	<0.1
Napthalene , mg/kg[2]	<0.1	<0.1
Phenanthrene , mg/kg[2]	<0.1	<0.1
Phenol , mg/kg[2]	<0.2	<0.2
Pyrene , mg/kg[2]	<0.1	<0.1
C6-C8 , mg/kg	<50	<50
C9-C16 , mg/kg	<50	<50
C17-C35, mg/kg	<50	<50

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**********END OF REPORT**********

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TEST REPORT

APPLICANT: **Civil Engineering and Development Department**
23/F, Kwun Tong View,
410 Kwun Tong Road,
Kwoloon, Hong Kong

ATTN: **Ms. Alice Law**

Laboratory No.:	QC09358
Date of Issue:	2009-10-20
Date Received:	2009-09-22
Date Tested:	2009-09-22
Date Completed:	2009-10-19
Page:	1 of 8

QC report:
Method Blank

Parameter	Method Blank	Acceptance
Antimony, µg/L	<0.2	<0.2
Arsenic, µg/L	<0.2	<0.2
Barium, µg/L	<0.2	<0.2
Cadmium, µg/L	<0.1	<0.1
Chromium III, mg/kg	<0.2	<0.2
Chromium VI, mg/kg^2	<0.2	<0.2
Cobalt, µg/L	<0.2	<0.2
Copper, µg/L	<0.2	<0.2
Lead, µg/L	<0.2	<0.2
Manganese, mg/kg^2	<1	<1
Mercury, µg/L	<0.2	<0.2
Molybdenum, µg/L	<0.2	<0.2
Nickel, µg/L	<0.2	<0.2
Tin, µg/L	<0.2	<0.2
Zinc, µg/L	<0.4	<0.4
Acetone, mg/kg^2	<0.1	<0.1
Benzene, mg/kg^2	<0.002	<0.002
Bromodichloromethane, mg/kg^2	<0.002	<0.002
2-Butanone, mg/kg^2	<0.03	<0.03
Chloroform, mg/kg^2	<0.002	<0.002
Ethylbenzene, mg/kg^2	<0.002	<0.002
Methyl tert-Butyl Ether, mg/kg^2	<0.002	<0.002
Methylene Chloride, mg/kg^2	<0.003	<0.003

Remark: 1) < = less than
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PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

Patrick Tse
PATRICK TSE
Laboratory Manager

WELLAB LIMITED
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Tel: 2898 7388 Fax: 2898 7076
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TEST REPORT

Laboratory No.:	QC09358
Date of Issue:	2009-10-20
Date Received:	2009-09-22
Date Tested:	2009-09-22
Date Completed:	2009-10-19

QC report:
Method Blank

Parameter	Method Blank	Acceptance
Styrene, mg/kg[2]	<0.002	<0.002
Tetrachloroethene, mg/kg[2]	<0.002	<0.002
Toluene, mg/kg[2]	<0.002	<0.002
Trichloroethene, mg/kg[2]	<0.002	<0.002
Xylenes (Total) , mg/kg[2]	<0.002	<0.002
Acenaphthene, mg/kg[2]	<0.1	<0.1
Acenaphthylene, mg/kg[2]	<0.1	<0.1
Anthracene, mg/kg[2]	<0.1	<0.1
Benzo(a)anthracene, mg/kg[2]	<0.1	<0.1
Benzo(a)pyrene, mg/kg[2]	<0.1	<0.1
Benzo(b)fluoranthene, mg/kg[2]	<0.1	<0.1
Benzo(g,h,i)perylene, mg/kg[2]	<0.1	<0.1
Benzo(k)fluoranthene, mg/kg[2]	<0.1	<0.1
bis-(2-Ethylhexyl)phthalate, mg/kg[2]	<0.5	<0.5
Chrysene, mg/kg[2]	<0.1	<0.1
Dibenzo(a,h)anthracene[2], mg/kg	<0.1	<0.1
Fluoranthene, mg/kg[2]	<0.1	<0.1
Fluorene, mg/kg[2]	<0.1	<0.1
Hexachlorobenzene, mg/kg[2]	<0.2	<0.2
Indeno(1,2,3-cd)pyrene, mg/kg[2]	<0.1	<0.1
Napthalene, mg/kg[2]	<0.1	<0.1
Phenanthrene, mg/kg[2]	<0.1	<0.1
Phenol, mg/kg[2]	<0.2	<0.2
Pyrene, mg/kg[2]	<0.1	<0.1
Petroleum Carbon Range (C6-C8), mg/kg	<10	<10
Petroleum Carbon Range (C9-C16), mg/kg	<10	<10
Petroleum Carbon Range (C17-C35), mg/kg	<10	<10

Remark: 1) < = less than
2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada
3) N/A = Not applicable

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TEST REPORT

Laboratory No.:	QC09358
Date of Issue:	2009-10-20
Date Received:	2009-09-22
Date Tested:	2009-09-22
Date Completed:	2009-10-19

QC report:
Method QC

Parameter	Method QC, %	Acceptance
Antimony, %	91	80-120%
Arsenic, %	96	80-120%
Barium, %	93	80-120%
Cadmium, %	91	80-120%
Chromium III, %	94	80-120%
Chromium VI, %[2]	94	85-115%
Cobalt, %	102	80-120%
Copper, %	96	80-120%
Lead, %	94	80-120%
Manganese, %[2]	100	75-125%
Mercury, %	93	80-120%
Molybdenum, %	92	80-120%
Nickel, %	101	80-120%
Tin, %	101	80-120%
Zinc, %	98	80-120%
Acetone, %[2]	89	60-140%
Benzene, %[2]	101	60-140%
Bromodichloromethane, %[2]	101	60-140%
2-Butanone, %[2]	91	60-140%
Chloroform, %[2]	105	60-140%
Ethylbenzene, %[2]	100	60-140%
Methyl tert-Butyl Ether, %[2]	105	60-140%
Methylene Chloride, %[2]	102	60-140%
Styrene, %[2]	101	60-140%
Tetrachloroethene, %[2]	100	60-140%
Toluene, %[2]	100	60-140%
Trichloroethene, %[2]	105	60-140%
Xylenes (Total) , %[2]	N/A	N/A
Acenaphthene, %[2]	104	30-130%

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TEST REPORT

Laboratory No.:	QC09358
Date of Issue:	2009-10-20
Date Received:	2009-09-22
Date Tested:	2009-09-22
Date Completed:	2009-10-19
Page:	4 of 8

QC report:
Method QC

Parameter	Method QC, %	Acceptance
Acenaphthylene, %[2]	98	30-130%
Anthracene, %[2]	97	30-130%
Benzo(a)anthracene, %[2]	114	30-130%
Benzo(a)pyrene, %[2]	114	30-130%
Benzo(b)fluoranthene, %[2]	103	30-130%
Benzo(g,h,i)perylene, %[2]	106	30-130%
Benzo(k)fluoranthene, %[2]	97	30-130%
bis-(2-Ethylhexyl)phthalate, %[2]	124	30-130%
Chrysene, %[2]	112	30-130%
Dibenzo(a,h)anthracene, %[2]	110	30-130%
Fluoranthene, %[2]	125	30-130%
Fluorene, %[2]	108	30-130%
Hexachlorobenzene, %[2]	98	30-130%
Indeno(1,2,3-cd)pyrene, %[2]	113	30-130%
Napthalene, %[2]	102	30-130%
Phenanthrene, %[2]	104	30-130%
Phenol, %[2]	45	30-130%
Pyrene, %[2]	113	30-130%
Petroleum Carbon Range (C6-C8), %	86	70-130%
Petroleum Carbon Range (C9-C16), %	91	70-130%
Petroleum Carbon Range (C17-C35), %	93	70-130%

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TEST REPORT

Laboratory No.:	QC09358
Date of Issue:	2009-10-20
Date Received:	2009-09-22
Date Tested:	2009-09-22
Date Completed:	2009-10-19

QC report:
Sample Spike

Parameter	Spike Recovery, %	Acceptance
Antimony, %	93	80-120%
Arsenic, %	91	80-120%
Barium, %	89	80-120%
Cadmium, %	88	80-120%
Chromium III, %	96	80-120%
Chromium VI, %[2]	N/A	75-125%
Cobalt, %	96	80-120%
Copper, %	91	80-120%
Lead, %	93	80-120%
Manganese, %[2]	N/A	75-125%
Mercury, %	96	80-120%
Molybdenum, %	94	80-120%
Nickel, %	93	80-120%
Tin, %	91	80-120%
Zinc, %	91	80-120%
Acetone, %[2]	N/A	60-140%
Benzene, %[2]	N/A	60-140%
Bromodichloromethane, %[2]	N/A	60-140%
2-Butanone, %[2]	N/A	60-140%
Chloroform, %[2]	N/A	60-140%
Ethylbenzene, %[2]	N/A	N/A
Methyl tert-Butyl Ether, %[2]	N/A	60-140%
Methylene Chloride, %[2]	N/A	60-140%
Styrene, %[2]	N/A	60-140%
Tetrachloroethene, %[2]	N/A	60-140%
Toluene, %[2]	N/A	60-140%
Trichloroethene, %[2]	N/A	60-140%
Xylenes (Total) , %[2]	N/A	N/A
Acenaphthene, %[2]	N/A	30-130%

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Date Completed:	2009-10-19

QC report:
Sample Spike

Parameter	Spike Recovery, %	Acceptance
Acenaphthylene, %[2]	N/A	30-130%
Anthracene, %[2]	N/A	30-130%
Benzo(a)anthracene, %[2]	N/A	30-130%
Benzo(a)pyrene, %[2]	N/A	30-130%
Benzo(b)fluoranthene, %[2]	N/A	30-130%
Benzo(g,h,i)perylene, %[2]	N/A	30-130%
Benzo(k)fluoranthene, %[2]	N/A	30-130%
bis-(2-Ethylhexyl)phthalate, %[2]	N/A	30-130%
Chrysene, %[2]	N/A	30-130%
Dibenzo(a,h)anthracene, %[2]	N/A	30-130%
Fluoranthene, %[2]	N/A	30-130%
Fluorene, %[2]	N/A	30-130%
Hexachlorobenzene, %[2]	N/A	30-130%
Indeno(1,2,3-cd)pyrene, %[2]	N/A	30-130%
Napthalene, %[2]	N/A	30-130%
Phenanthrene, %[2]	N/A	30-130%
Phenol, %[2]	N/A	30-130%
Pyrene, %[2]	N/A	30-130%
Petroleum Carbon Range (C6-C8), %	86	70-130%
Petroleum Carbon Range (C9-C16), %	91	70-130%
Petroleum Carbon Range (C17-C35), %	91	70-130%

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Date of Issue:	2009-10-20
Date Received:	2009-09-22
Date Tested:	2009-09-22
Date Completed:	2009-10-19

QC report:
Sample Duplicate

Parameter	RPD, %	Acceptance
Antimony, %	N/A	≤20%
Arsenic, %	4	≤20%
Barium, %	3	≤20%
Cadmium, %	N/A	≤20%
Chromium III, %	N/A	≤20%
Chromium VI, %[2]	N/A	≤35%
Cobalt, %	5	≤20%
Copper, %	4	≤20%
Lead, %	2	≤20%
Manganese, %[2]	N/A	≤35%
Mercury, %	1	≤20%
Molybdenum, %	11	≤20%
Nickel, %	3	≤20%
Tin, %	4	≤20%
Zinc, %	7	≤20%
Acetone, %[2]	N/A	≤50%
Benzene, %[2]	N/A	≤50%
Bromodichloromethane, %[2]	N/A	≤50%
2-Butanone, %[2]	N/A	≤50%
Chloroform, %[2]	N/A	≤50%
Ethylbenzene, %[2]	N/A	≤50%
Methyl tert-Butyl Ether, %[2]	N/A	≤50%
Methylene Chloride, %[2]	N/A	≤50%
Styrene, %[2]	N/A	≤50%
Tetrachloroethene, %[2]	N/A	≤50%
Toluene, %[2]	N/A	≤50%
Trichloroethene, %[2]	N/A	≤50%
Xylenes (Total) , %[2]	N/A	≤50%
Acenaphthene, %[2]	N/A	≤50%

Remark: 1) < = less than
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Date of Issue:	2009-10-20
Date Received:	2009-09-22
Date Tested:	2009-09-22
Date Completed:	2009-10-19

QC report:
Sample Duplicate

Parameter	RPD, %	Acceptance
Acenaphthylene, %[2]	N/A	≤50%
Anthracene, %[2]	N/A	≤50%
Benzo(a)anthracene, %[2]	N/A	≤50%
Benzo(a)pyrene, %[2]	N/A	≤50%
Benzo(b)fluoranthene, %[2]	N/A	≤50%
Benzo(g,h,i)perylene, %[2]	N/A	≤50%
Benzo(k)fluoranthene, %[2]	N/A	≤50%
bis-(2-Ethylhexyl)phthalate, %[2]	N/A	≤50%
Chrysene, %[2]	N/A	≤50%
Dibenzo(a,h)anthracene, %[2]	N/A	≤50%
Fluoranthene, %[2]	N/A	≤50%
Fluorene, %[2]	N/A	≤50%
Hexachlorobenzene, %[2]	N/A	≤50%
Indeno(1,2,3-cd)pyrene, %[2]	N/A	≤50%
Napthalene, %[2]	N/A	≤50%
Phenanthrene, %[2]	N/A	≤50%
Phenol, %[2]	N/A	≤50%
Pyrene, %[2]	N/A	≤50%
Petroleum Carbon Range (C6-C8), %	N/A	≤20%
Petroleum Carbon Range (C9-C16), %	N/A	≤20%
Petroleum Carbon Range (C17-C35), %	N/A	≤20%

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**********END OF REPORT**********

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TEST REPORT

APPLICANT: **Civil Engineering and Development Department**
23/F, Kwun Tong View,
410 Kwun Tong Road,
Kwoloon, Hong Kong

ATTN: **Ms. Alice Law**

Laboratory No.:	09363
Date of Issue:	2009-10-20
Date Received:	2009-09-23
Date Tested:	2009-09-23
Date Completed:	2009-10-19
Page:	1 of 3

Contract No. : GP/CBT/2009/03
Provision of Chemical Testing Service for Various Government Projects
Service Order No. : GP/CBT/2009/03.03
Sample Description : 1 sample as received by customer said to be Groundwater
Sampling Date : 2009-09-23
Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
1	Mercury	In-house method SOP053 (ICP-ES)& In-house method SOP093 & SOP094 (ICPMS)	1 µg/L
2	Acetone	EPA 8260 modified	10 µg/L
3	Benzene		0.1 µg/L
4	Bromodichloromethane		0.1 µg/L
5	2-Butanone		5 µg/L
6	Chloroform		0.1 µg/L
7	Ethylbenzene		0.1 µg/L
8	Methyl tert-Butyl Ether		0.2 µg/L
9	Methylene Chloride		0.5 µg/L
10	Styrene		0.2 µg/L
11	Tetrachloroethene		0.1 µg/L
12	Toluene		0.2 µg/L
13	Trichloroethene		0.1 µg/L
14	Xylenes (Total)		0.1 µg/L

****

PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

PATRICK TSE
Laboratory Manager

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TEST REPORT

Laboratory No.:	09363
Date of Issue:	2009-10-20
Date Received:	2009-09-23
Date Tested:	2009-09-23
Date Completed:	2009-10-19

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
15	Acenaphthene	EPA 8270 (modified)	0.2 µg/L
16	Acenaphthylene		0.2 µg/L
17	Anthracene		0.2 µg/L
18	Benzo(b)fluoranthene		0.2 µg/L
19	Chrysene		0.2 µg/L
20	Fluoranthene		0.2 µg/L
21	Fluorene		0.2 µg/L
22	Hexachlorobenzene		0.5 µg/L
23	Napthalene		0.2 µg/L
24	Phenanthrene		0.2 µg/L
25	Pyrene		0.2 µg/L
26	Petroleum Carbon Range (C6-C8)	USEPA 8260	2 mg/L
27	Petroleum Carbon Range (C9-C16)		2 mg/L
28	Petroleum Carbon Range (C17-C35)		2 mg/L

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TEST REPORT

Laboratory No.:	09363
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Date Received:	2009-09-23
Date Tested:	2009-09-23
Date Completed:	2009-10-19

Results:

Sample ID	FLN-9a-3 Groundwater Sample
Sample Number	09363-1
Mercury, µg/L	1
Acetone, µg/L [2]	23
Benzene, µg/L [2]	<0.1
Bromodichloromethane, µg/L [2]	0.5
2-Butanone, µg/L [2]	7
Chloroform, µg/L [2]	11
Ethylbenzene, µg/L [2]	<0.1
Methyl tert-Butyl Ether, µg/L [2]	<0.2
Methylene Chloride, µg/L [2]	2
Styrene, µg/L [2]	<0.2
Tetrachloroethene, µg/L [2]	<0.1
Toluene, µg/L [2]	0.4
Trichloroethene, µg/L [2]	<0.1
Xylenes (Total) , µg/L [2]	<0.1
Acenaphthene, µg/L [2]	<0.2
Acenaphthylene, µg/L [2]	<0.2
Anthracene, µg/L [2]	<0.2
Benzo(b)fluoranthene, µg/L [2]	<0.2
Chrysene, µg/L [2]	<0.2
Fluoranthene, µg/L [2]	<0.2
Fluorene, µg/L [2]	<0.2
Hexachlorobenzene, µg/L [2]	<0.5
Napthalene, µg/L [2]	4.2
Phenanthrene, µg/L [2]	<0.2
Pyrene, µg/L [2]	<0.2
C6-C8, mg/L	<2
C9-C16, mg/L	<2
C17-C35, mg/L	<2

Remark: 1) < = less than

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**********END OF REPORT**********

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TEST REPORT

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Kwoloon, Hong Kong

ATTN: **Ms. Alice Law**

Laboratory No.:	QC09363
Date of Issue:	2009-10-20
Date Received:	2009-09-23
Date Tested:	2009-09-23
Date Completed:	2009-10-19
Page:	1 of 5

QC report:
Method Blank

Parameter	Method Blank	Acceptance
Mercury, µg/L	<0.2	<0.2
Acetone, µg/L	<10	<10
Benzene, µg/L [2]	<0.1	<0.1
Bromodichloromethane, µg/L [2]	<0.1	<0.1
2-Butanone, µg/L [2]	<5	<5
Chloroform, µg/L [2]	<0.1	<0.1
Ethylbenzene, µg/L	<0.1	<0.1
Methyl tert-Butyl Ether, µg/L	<0.2	<0.2
Methylene Chloride, µg/L	<0.5	<0.5
Styrene, µg/L	<0.2	<0.2
Tetrachloroethene, µg/L	<0.1	<0.1
Toluene, µg/L	<0.2	<0.2
Trichloroethene, µg/L	<0.1	<0.1
Xylenes (Total) , µg/L	N/A	N/A

Remark: 1) < = less than
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3) N/A = Not applicable

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PATRICK TSE
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Date Tested:	2009-09-23
Date Completed:	2009-10-19

QC report:
Method Blank

Parameter	Method Blank	Acceptance
Acenaphthene, µg/L	<0.2	<0.2
Acenaphthylene, µg/L	<0.2	<0.2
Anthracene, µg/L	<0.2	<0.2
Benzo(b)fluoranthene, µg/L	<0.2	<0.2
Chrysene, µg/L	<0.2	<0.2
Fluoranthene, µg/L	<0.2	<0.2
Fluorene, µg/L [2]	<0.2	<0.2
Hexachlorobenzene, µg/L	<0.2	<0.2
Napthalene, µg/L [2]	<0.2	<0.2
Phenanthrene, µg/L	<0.2	<0.2
Pyrene, µg/L	<0.2	<0.2
Petroleum Carbon Range (C6-C8), mg/L	<0.4	<0.4
Petroleum Carbon Range (C9-C16), mg/L	<0.4	<0.4
Petroleum Carbon Range (C17-C35), mg/L	<0.4	<0.4

Remark: 1) < = less than
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Date Tested:	2009-09-23
Date Completed:	2009-10-19

QC report:
Method QC

Parameter	Method QC, %	Acceptance
Mercury, %	92	80-120%
Acetone, %[2]	92	60-140%
Benzene, %[2]	102	70-130%
Bromodichloromethane, %[2]	109	70-130%
2-Butanone, %[2]	94	60-140%
Chloroform, %[2]	99	70-130%
Ethylbenzene, %[2]	102	70-130%
Methyl tert-Butyl Ether, %[2]	107	70-130%
Methylene Chloride, %[2]	100	70-130%
Styrene, %[2]	87	70-130%
Tetrachloroethene, %[2]	95	70-130%
Toluene, %[2]	99	70-130%
Trichloroethene, %[2]	105	70-130%
Xylenes (Total) , %[2]	N/A	N/A
Acenaphthene, %[2]	104	30-130%
Acenaphthylene, %[2]	98	30-130%
Anthracene, %[2]	97	30-130%
Benzo(b)fluoranthene, %[2]	103	30-130%
Chrysene, %[2]	112	30-130%
Fluoranthene, %[2]	125	30-130%
Fluorene, %[2]	108	30-130%
Hexachlorobenzene, %[2]	98	30-130%
Napthalene, %2	102	30-130%
Phenanthrene, %[2]	104	30-130%
Pyrene, %[2]	104	30-130%
Petroleum Carbon Range (C6-C8), %	96	70-130%
Petroleum Carbon Range (C9-C16), %	93	70-130%
Petroleum Carbon Range (C17-C35), %	96	70-130%

Remark: 1) < = less than

2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada

3) N/A = Not applicable

****

WELLAB 匯力 Testing & Research

WELLAB LIMITED
Rms 816, 1516 & 1701, Technology Park,
18 On Lai Street, Shatin, N.T, Hong Kong.
Tel: 2898 7388 Fax: 2898 7076
Website: www.wellab.com.hk

TEST REPORT

Laboratory No.:	QC09363
Date of Issue:	2009-10-20
Date Received:	2009-09-23
Date Tested:	2009-09-23
Date Completed:	2009-10-19

QC report:
Sample Spike

Parameter	Spike Recovery, %	Acceptance
Mercury, %	96	80-120%
Acetone, %[2]	72	60-140%
Benzene, %[2]	86	70-130%
Bromodichloromethane, %[2]	91	70-130%
2-Butanone, %[2]	79	60-140%
Chloroform, %[2]	83	70-130%
Ethylbenzene, %[2]	85	70-130%
Methyl tert-Butyl Ether, %[2]	90	70-130%
Methylene Chloride, %[2]	86	70-130%
Styrene, %[2]	73	70-130%
Tetrachloroethene, %[2]	78	70-130%
Toluene, %[2]	84	70-130%
Trichloroethene, %[2]	83	70-130%
Xylenes (Total) , %[2]	N/A	N/A
Acenaphthene, %[2]	105	30-130%
Acenaphthylene, %[2]	99	30-130%
Anthracene, %[2]	98	30-130%
Benzo(b)fluoranthene, %[2]	116	30-130%
Chrysene, %[2]	112	30-130%
Fluoranthene, %[2]	123	30-130%
Fluorene, %[2]	108	30-130%
Hexachlorobenzene, %[2]	96	30-130%
Napthalene, %[2]	97	30-130%
Phenanthrene, %[2]	105	30-130%
Pyrene, %[2]	113	30-130%
Petroleum Carbon Range (C6-C8), %	96	70-130%
Petroleum Carbon Range (C9-C16), %	102	70-130%
Petroleum Carbon Range (C17-C35), %	93	70-130%

Remark: 1) < = less than

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3) N/A = Not applicable

****

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TEST REPORT

Laboratory No.:	QC09363
Date of Issue:	2009-10-20
Date Received:	2009-09-23
Date Tested:	2009-09-23
Date Completed:	2009-10-19

QC report:
Sample Duplicate

Parameter	RPD, %	Acceptance
Mercury, %	16	≤20%
Acetone, %[2]	N/A	≤50%
Benzene, %[2]	N/A	≤50%
Bromodichloromethane, %[2]	N/A	≤50%
2-Butanone, %[2]	N/A	≤50%
Chloroform, %[2]	N/A	≤50%
Ethylbenzene, %[2]	N/A	≤50%
Methyl tert-Butyl Ether, %[2]	N/A	≤50%
Methylene Chloride, %[2]	N/A	≤50%
Styrene, %[2]	N/A	≤50%
Tetrachloroethene, %[2]	N/A	≤50%
Toluene, %[2]	N/A	≤50%
Trichloroethene, %[2]	N/A	≤50%
Xylenes (Total) , %[2]	N/A	≤50%
Acenaphthene, %[2]	N/A	≤50%
Acenaphthylene, %[2]	N/A	≤50%
Anthracene, %[2]	N/A	≤50%
Benzo(b)fluoranthene, %[2]	N/A	≤50%
Chrysene, %[2]	N/A	≤50%
Fluoranthene, %[2]	N/A	≤50%
Fluorene, %[2]	N/A	≤50%
Hexachlorobenzene, %[2]	N/A	≤50%
Napthalene, %[2]	N/A	≤50%
Phenanthrene, %[2]	N/A	≤50%
Pyrene, %[2]	N/A	≤50%
Petroleum Carbon Range (C6-C8), %	N/A	≤20%
Petroleum Carbon Range (C9-C16), %	N/A	≤20%
Petroleum Carbon Range (C17-C35), %	N/A	≤20%

Remark: 1) < = less than
2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada
3) N/A = Not applicable

**********END OF REPORT**********

Please quote our reference in your reply

土木工程拓展署
CEDD Civil Engineering and Development Department

新界西及北拓展處
New Territories North and West Development Office

Web site 網址 : http://www.cedd.gov.hk
E-mail 電子郵件 : pytai@cedd.gov.hk
Telephone 電話 : (852) 2158 5629
Facsimile 傳真 : (852) 2693 2918
Our ref 本署檔號 : ( ) in NTNTPF 2/6/43 (E) Pt. 4
Your ref 來函檔號 :
Date 日期 : 22 March 2010

新界沙田上禾輋路 1 號
沙田政府合署 9 樓
9/F, Sha Tin Government Offices,
1 Sheung Wo Che Road,
Sha Tin,
New Territories, Hong Kong

By Post

Ove Arup & Partners Hong Kong Ltd.
Level 5, Festival Walk,
80 Tat Chee Avenue,
Kowloon Tong, Kowloon,
Hong Kong

(Attn.: Mr. Davis LEE)

ARUP Reply Ref.: Date Action Required: Received 24 MAR 2010
Inits. DL CHNL KWC LTM TC
Action
Info.
Copy

Dear Sirs,

Agreement No. CE 61/2007 (CE)
North East New Territories New Development Areas
Planning and Engineering Study – Investigation

Final Laboratory Chemical Testing Report
for Land Contamination Impact Assessment (Sites Nos. KTN-23b & KTN-77,78)

I enclose herewith a copy each of the memo from GEO ref. GCGP 2/A2/33-2009Q3-S03A dated 16.3.2010 and the captioned report (both hard and digital copy) for your reference and necessary actions.

Yours faithfully,

(Miss P Y TAI)
for Project Manager (New Territories North and West)
Civil Engineering and Development Department

Encl.

c.c. (w/o encl.)
CTP/SR, PlanD (Attn.: Ms. April KUN) Fax No. 2522 8524

Internal
SE/8 & E/1 – to note in file please

MEMO

From	CGE/GP, GEO	To	PM(NTN&W),CEDD
Ref.	( ) in GCGP 2/A2/33-2009Q3-S03A	(Attn.:	Ms. P Y TAI)
Tel. No.	2716 8611	Your Ref.	In
Fax. No.	2715 7572	dated	Fax. No. 2693 2918
Date	16 March 2010	Total Pages	1 + encl.

Contract No. GP/CBT/2009/03
Provision of Chemical Testing Service for Various Government Projects

Service Order No. GP/CBT/2009/03.03A
Agreement No. CE 61/2007 (CE)
North East New Territories New Development Areas
Planning and Engineering Study Investigation
Request for Laboratory Chemical Testing Service for Land Contamination Impact Assessment
(Sites nos. KTN-23b & KTN-77, 78)

Laboratory Testing Report (Final)

– – – I enclose three copies of the final report (hard and digital copy in CD-Rom) for your retention.

NEW TERRITORIES NORTH & WEST DEVELOPMENT OFFICE
18 MAR 2010
RECEIVED

(Alex W. T. Fung)
for Chief Geotechnical Engineer/Geotechnical Projects
Geotechnical Engineering Office

Encl.

VC/WTF/wtf

Civil Engineering and Development Department

Contract No. GP/CBT/2009/03
Provision of Chemical Testing Service for Various Government Projects
(Service Order No. GP/CBT/2009/03.03A)

Test Report

November 2009

Approved By

(Laboratory Director)

REMARKS:

The information supplied and contained within this report is, to the best of our knowledge, correct at the time of printing.

WELLAB accepts no responsibility for changes made to this report by third parties.

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TEST REPORT

APPLICANT: **Civil Engineering and Development Department**
23/F, Kwun Tong View,
410 Kwun Tong Road,
Kwoloon, Hong Kong

ATTN: **Ms. Alice Law**

Laboratory No.:	09641
Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03
Page:	1 of 21

Contract No. : GP/CBT/2009/03
Provision of Chemical Testing Service for Various Government Projects
Service Order No. : GP/CBT/2009/03.03A
Sample Description : 26 samples as received by customer said to be Soil
Sampling Date : 2009-11-09
Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
1	Antimony	In-house method SOP053 (ICP-ES)& In-house method SOP093 & SOP094 (ICPMS)	0.2 mg/kg
2	Arsenic		0.1 mg/kg
3	Barium		0.2 mg/kg
4	Cadmium		0.1 mg/kg
5	Chromium III		0.2 mg/kg
6	Chromium VI	EPA 3060A	0.2 mg/kg
7	Cobalt	In-house method SOP053 (ICP-ES)& In-house method SOP093 & SOP094 (ICPMS)	0.2 mg/kg
8	Copper		0.2 mg/kg
9	Lead		0.2 mg/kg
10	Manganese	EPA 6020	1 mg/kg
11	Mercury	In-house method SOP053 (ICP-ES)& In-house method SOP093 & SOP094 (ICPMS)	0.05 mg/kg
12	Molybdenum		0.2 mg/kg
13	Nickel		0.2 mg/kg
14	Tin		0.2 mg/kg
15	Zinc		0.2 mg/kg

****

PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

Dr. Priscilla Choy
Laboratory Director

WELLAB 匯力
Testing & Research

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TEST REPORT

Laboratory No.:	09641
Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03
Page:	2 of 21

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
16	Acetone	EPA 8260 modified	0.1 mg/kg
17	Benzene		0.002 mg/kg
18	Bromodichloromethane		0.002 mg/kg
19	2-Butanone		0.03 mg/kg
20	Chloroform		0.002 mg/kg
21	Ethylbenzene		0.002 mg/kg
22	Methyl tert-Butyl Ether		0.002 mg/kg
23	Methylene Chloride		0.003 mg/kg
24	Styrene		0.002 mg/kg
25	Tetrachloroethene		0.002 mg/kg
26	Toluene		0.002 mg/kg
27	Trichloroethene		0.002 mg/kg
28	Xylenes (Total)		0.002 mg/kg
29	Acenaphthene	EPA 8270 (modified)	0.1 mg/kg
30	Acenaphthylene		0.1 mg/kg
31	Anthracene		0.1 mg/kg
32	Benzo(a)anthracene		0.1 mg/kg
33	Benzo(a)pyrene		0.1 mg/kg
34	Benzo(b)fluoranthene		0.1 mg/kg
35	Benzo(g,h,i)perylene		0.1 mg/kg
36	Benzo(k)fluoranthene		0.1 mg/kg
37	bis-(2-Ethylhexyl)phthalate		0.5 mg/kg
38	Chrysene		0.1 mg/kg
39	Dibenzo(a,h)anthracene		0.1 mg/kg
40	Fluoranthene		0.1 mg/kg
41	Fluorene		0.1 mg/kg
42	Hexachlorobenzene		0.2 mg/kg
43	Indeno(1,2,3-cd)pyrene		0.1 mg/kg
44	Napthalene		0.1 mg/kg
45	Phenanthrene		0.1 mg/kg
46	Phenol		0.2 mg/kg
47	Pyrene		0.1 mg/kg
48	Petroleum Carbon Range (C6-C8)	USEPA 8260	50 mg/kg
49	Petroleum Carbon Range (C9-C16)		50 mg/kg
50	Petroleum Carbon Range (C17-C35)		50 mg/kg

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TEST REPORT

Laboratory No.:	09641
Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
51	2,4'-Dichlorobiphenyl	In-house Method SOP 086, 088 and 089 (GC/MS)	2 µg/kg
52	2,2',5-Trichlorobiphenyl		2 µg/kg
53	2,4,4'-Trichlorobiphenyl		2 µg/kg
54	2,2', 3,5'-Tetrachlorobiphenyl		2 µg/kg
55	2,2', 5,5'-Tetrachlorobiphenyl		2 µg/kg
56	2,3', 4,4'-Tetrachlorobiphenyl		2 µg/kg
57	3,3', 4,4'-Tetrachlorobiphenyl		2 µg/kg
58	2,2', 4,5,5'-Pentachlorobiphenyl		2 µg/kg
59	2,3,3', 4,4'-Pentachlorobiphenyl		2 µg/kg
60	2,3', 4,4',5-Pentachlorobiphenyl		2 µg/kg
61	3,3', 4,4',5-Pentachlorobiphenyl		2 µg/kg
62	2,2', 3,3',4,4'-Hexachlorobiphenyl		2 µg/kg
63	2,2', 3,4,4',5'-Hexachlorobiphenyl		2 µg/kg
64	2,2', 4,4',5,5'-Hexachlorobiphenyl		2 µg/kg
65	3,3', 4,4',5,5'-Hexachlorobiphenyl		2 µg/kg
66	2,2', 3,3',4,4',5-Heptachlorobiphenyl		2 µg/kg
67	2,2', 3,4,4',5,5'-Heptachlorobiphenyl		2 µg/kg
68	2,2', 3,4',5,5',6-Heptachlorobiphenyl		2 µg/kg
69	Cyanide, free	USEPA 9213-1996	0.1 mg/kg

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TEST REPORT

Laboratory No.:	09641
Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03

Results:

Sample ID	KTN-23b-1 (0.5m)	KTN-23b-1 (1.0m)	KTN-23b-1 (1.5m)	KTN-77.78-1 (0.5m)	KTN-77.78-1 (1.0m)
Sample Number	09641-1	09641-2	09641-3	09641-4	09641-5
Antimony, mg/kg	1.0	0.3	0.1	0.8	0.9
Arsenic, mg/kg	42	69	160	110	130
Barium, mg/kg	9.4	14	15	79	14
Cadmium, mg/kg	0.2	0.6	1.8	1.2	1.5
Chromium III, mg/kg	14	10	13	8.1	8.3
Chromium VI, mg/kg[2]	<0.2	<0.2	<0.2	<0.2	<0.2
Cobalt, mg/kg	0.2	0.6	1.8	1.2	1.5
Copper, mg/kg	2.3	3.5	0.4	8.0	6.5
Lead, mg/kg, mg/kg	6.5	10	18	53	27
Manganese, mg/kg[2]	18	18	9	12	37
Mercury, mg/kg	0.13	0.10	0.12	0.10	0.09
Molybdenum, mg/kg	0.5	0.7	0.5	1.3	0.9
Nickel, mg/kg	1.6	1.5	1.6	1.3	1.5
Tin, mg/kg	1.4	1.4	1.4	0.9	0.9
Zinc, mg/kg	13	20	26	12	12
Acetone, mg/kg[2]	0.2	<0.1	0.2	<0.1	0.1
Benzene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Bromodichloromethane, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
2-Butanone, mg/kg[2]	<0.03	<0.03	<0.03	<0.03	<0.03
Chloroform, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Ethylbenzene, mg/kg[2]	0.002	<0.002	<0.002	<0.002	<0.002
Methyl tert-Butyl Ether, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Methylene Chloride, mg/kg[2]	0.009	0.007	0.013	0.006	0.006
Styrene, mg/kg[2]	0.007	0.003	0.002	<0.002	<0.002
Tetrachloroethene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Toluene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Trichloroethene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Xylenes (Total) , mg/kg[2]	0.002	<0.002	<0.002	<0.002	<0.002

Remark: 1) < = less than

2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada

3) N/A = Not applicable

****

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TEST REPORT

Laboratory No.:	09641
Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03

Results:

Sample ID	KTN-23b-1 (0.5m)	KTN-23b-1 (1.0m)	KTN-23b-1 (1.5m)	KTN-77.78-1 (0.5m)	KTN-77.78-1 (1.0m)
Sample Number	09641-1	09641-2	09641-3	09641-4	09641-5
Acenaphthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b)fluoranthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
bis-(2-Ethylhexyl)phthalate , mg/kg^2	<0.5	<0.5	<0.5	<0.5	<0.5
Chrysene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorobenzene , mg/kg^2	<0.2	<0.2	<0.2	<0.2	<0.2
Indeno(1,2,3-cd)pyrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Napthalene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Phenol , mg/kg^2	<0.2	<0.2	<0.2	<0.2	<0.2
Pyrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
C6-C8 , mg/kg	<50	<50	<50	<50	<50
C9-C16 , mg/kg	150	<50	<50	350	210
C17-C35, mg/kg	160	<50	<50	410	220

Remark: 1) < = less than

2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada

3) N/A = Not applicable

****

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TEST REPORT

Laboratory No.:	09641
Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03
Page:	6 of 21

Results:

Sample ID	KTN-23b-1 (0.5m)	KTN-23b-1 (1.0m)	KTN-23b-1 (1.5m)	KTN-77.78 -1 (0.5m)	KTN-77.78 -1 (1.0m)
Sample Number	09641-1	09641-2	09641-3	09641-4	09641-5
2,4'-Dichlorobiphenyl, μg/kg	N/A	N/A	N/A	<2	<2
2,2',5-Trichlorobiphenyl, μg/kg	N/A	N/A	N/A	<2	<2
2,4,4'-Trichlorobiphenyl, μg/kg	N/A	N/A	N/A	<2	<2
2,2', 3,5'-Tetrachlorobiphenyl, μg/kg	N/A	N/A	N/A	<2	<2
2,2', 5,5'-Tetrachlorobiphenyl, μg/kg	N/A	N/A	N/A	<2	<2
2,3', 4,4'-Tetrachlorobiphenyl, μg/kg	N/A	N/A	N/A	<2	<2
3,3', 4,4'-Tetrachlorobiphenyl, μg/kg	N/A	N/A	N/A	<2	<2
2,2', 4,5,5'-Pentachlorobiphenyl, μg/kg	N/A	N/A	N/A	<2	<2
2,3,3', 4,4'-Pentachlorobiphenyl, μg/kg	N/A	N/A	N/A	<2	<2
2,3', 4,4',5-Pentachlorobiphenyl, μg/kg	N/A	N/A	N/A	<2	<2
3,3', 4,4',5-Pentachlorobiphenyl, μg/kg	N/A	N/A	N/A	<2	<2
2,2', 3,3',4,4'-Hexachlorobiphenyl, μg/kg	N/A	N/A	N/A	<2	<2
2,2', 3,4,4',5'-Hexachlorobiphenyl, μg/kg	N/A	N/A	N/A	<2	<2
2,2', 4,4',5,5'-Hexachlorobiphenyl, μg/kg	N/A	N/A	N/A	<2	<2
3,3', 4,4',5,5'-Hexachlorobiphenyl, μg/kg	N/A	N/A	N/A	<2	<2
2,2', 3,3',4,4',5-Heptachlorobiphenyl, μg/kg	N/A	N/A	N/A	<2	<2
2,2', 3,4,4',5,5'-Heptachlorobiphenyl, μg/kg	N/A	N/A	N/A	<2	<2
2,2', 3,4',5,5',6-Heptachlorobiphenyl, μg/kg	N/A	N/A	N/A	<2	<2
Cyanide, free, mg/kg[2]	N/A	N/A	N/A	<0.01	<0.01

Remark: 1) < = less than

2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada

3) N/A = Not applicable

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TEST REPORT

Laboratory No.:	09641
Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03

Results:

Sample ID	KTN-77.78-1 (1.5m)	KTN-77.78-2 (0.5m)	KTN-77.78-2 (0.9m)	KTN-77.78-3 (0.5m)	KTN-77.78-3 (1.0)
Sample Number	09641-6	09641-7	09641-8	09641-9	09641-10
Antimony, mg/kg	0.9	0.9	0.5	0.8	0.9
Arsenic, mg/kg	130	78	170	220	120
Barium, mg/kg	14	13	12	11	16
Cadmium, mg/kg	1.5	0.7	2.2	2.6	1.5
Chromium III, mg/kg	8.3	7.9	6.8	16	7.2
Chromium VI, mg/kg[2]	<0.2	<0.2	<0.2	<0.2	<0.2
Cobalt, mg/kg	1.5	0.7	2.2	2.6	1.5
Copper, mg/kg	6.5	7.6	4.0	6.3	5.6
Lead, mg/kg, mg/kg	27	17	24	21	18
Manganese, mg/kg[2]	37	15	11	17	25
Mercury, mg/kg	0.09	0.08	0.06	0.12	0.11
Molybdenum, mg/kg	0.9	1.7	0.6	1.2	0.4
Nickel, mg/kg	1.5	1.3	1.2	1.6	1.3
Tin, mg/kg	0.9	1.2	0.7	1.2	0.5
Zinc, mg/kg	12	23	7.0	15	22
Acetone, mg/kg[2]	0.1	<0.1	<0.1	<0.1	0.2
Benzene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Bromodichloromethane, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
2-Butanone, mg/kg[2]	<0.03	<0.03	<0.03	<0.03	<0.03
Chloroform, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Ethylbenzene, mg/kg[2]	<0.002	<0.002	0.002	0.004	0.004
Methyl tert-Butyl Ether, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	0.006
Methylene Chloride, mg/kg[2]	0.006	0.004	0.004	0.005	0.007
Styrene, mg/kg[2]	<0.002	<0.002	0.003	<0.002	<0.002
Tetrachloroethene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Toluene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	0.003
Trichloroethene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Xylenes (Total) , mg/kg[2]	<0.002	<0.002	<0.002	<0.002	0.004

Remark: 1) < = less than

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3) N/A = Not applicable

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TEST REPORT

Laboratory No.:	09641
Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03

Results:

Sample ID	KTN-77.78-1 (1.5m)	KTN-77.78-2 (0.5m)	KTN-77.78-2 (0.9m)	KTN-77.78-3 (0.5m)	KTN-77.78-3 (1.0)
Sample Number	09641-6	09641-7	09641-8	09641-9	09641-10
Acenaphthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	0.1
Benzo(a)pyrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	0.1
Benzo(b)fluoranthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	0.2
Benzo(g,h,i)perylene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
bis-(2-Ethylhexyl)phthalate , mg/kg^2	<0.5	<0.5	<0.5	<0.5	<0.5
Chrysene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	0.2
Dibenzo(a,h)anthracene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	0.2
Fluorene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorobenzene , mg/kg^2	<0.2	<0.2	<0.2	<0.2	<0.2
Indeno(1,2,3-cd)pyrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Napthalene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	0.1
Phenol , mg/kg^2	<0.2	<0.2	<0.2	<0.2	<0.2
Pyrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	0.3
C6-C8 , mg/kg	<50	<50	<50	<50	<50
C9-C16 , mg/kg	210	210	110	<50	310
C17-C35, mg/kg	220	150	130	<50	310

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TEST REPORT

Laboratory No.:	09641
Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03

Results:

Sample ID	KTN-77.78 -1 (1.5m)	KTN-77.78 -2 (0.5m)	KTN-77.78 -2 (0.9m)	KTN-77.78 -3 (0.5m)	KTN-77.78 -3 (1.0)
Sample Number	09641-6	09641-7	09641-8	09641-9	09641-10
2,4'-Dichlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2',5-Trichlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,4,4'-Trichlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2', 3,5'-Tetrachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2', 5,5'-Tetrachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,3', 4,4'-Tetrachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
3,3', 4,4'-Tetrachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2', 4,5,5'-Pentachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,3,3', 4,4'-Pentachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,3', 4,4',5-Pentachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
3,3', 4,4',5-Pentachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2', 3,3',4,4'-Hexachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2', 3,4,4',5'-Hexachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2', 4,4',5,5'-Hexachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
3,3', 4,4',5,5'-Hexachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2', 3,3',4,4',5-Heptachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2', 3,4,4',5,5'-Heptachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2', 3,4',5,5',6-Heptachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
Cyanide, free, mg/kg[2]	<0.01	<0.01	<0.01	0.02	0.01

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3) N/A = Not applicable

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TEST REPORT

Laboratory No.:	09641
Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03

Results:

Sample ID	KTN-77.78-4 (0.5m)	KTN-77.78-4 (1.0m)	KTN-77.78-4 (1.5m)	KTN-77.78-5 (0.5m)	KTN-77.78-5 (1.0m)
Sample Number	09641-11	09641-12	09641-13	09641-14	09641-15
Antimony, mg/kg	0.7	0.6	0.4	0.6	0.9
Arsenic, mg/kg	12	75	110	100	130
Barium, mg/kg	34	11	9.8	9.4	24
Cadmium, mg/kg	<0.1	0.7	1.3	1.1	1.6
Chromium III, mg/kg	13	8.8	8.0	31	10
Chromium VI, mg/kg[2]	<0.2	<0.2	<0.2	<0.2	<0.2
Cobalt, mg/kg	0.3	0.7	1.3	1.1	1.6
Copper, mg/kg	8.7	8.5	4.3	8.8	9.0
Lead, mg/kg, mg/kg	42	20	15	36	30
Manganese, mg/kg[2]	100	27	14	19	32
Mercury, mg/kg	0.08	0.10	0.16	0.11	0.07
Molybdenum, mg/kg	<0.2	0.8	0.5	0.5	0.6
Nickel, mg/kg	2.9	1.3	1.3	1.9	1.7
Tin, mg/kg	1.6	1.0	0.7	0.8	0.8
Zinc, mg/kg	120	14	8.6	30	49
Acetone, mg/kg[2]	0.3	<0.1	<0.1	0.1	<0.1
Benzene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Bromodichloromethane, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
2-Butanone, mg/kg[2]	<0.03	<0.03	<0.03	<0.03	<0.03
Chloroform, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Ethylbenzene, mg/kg[2]	0.004	0.002	<0.002	<0.002	0.002
Methyl tert-Butyl Ether, mg/kg[2]	0.005	<0.002	<0.002	<0.002	<0.002
Methylene Chloride, mg/kg[2]	0.029	0.006	0.004	0.009	<0.003
Styrene, mg/kg[2]	<0.002	0.005	<0.002	<0.002	<0.002
Tetrachloroethene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Toluene, mg/kg[2]	0.003	<0.002	<0.002	<0.002	<0.002
Trichloroethene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Xylenes (Total) , mg/kg[2]	0.004	<0.002	<0.002	<0.002	<0.002

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TEST REPORT

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Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03

Results:

Sample ID	KTN-77.78-4 (0.5m)	KTN-77.78-4 (1.0m)	KTN-77.78-4 (1.5m)	KTN-77.78-5 (0.5m)	KTN-77.78-5 (1.0m)
Sample Number	09641-11	09641-12	09641-13	09641-14	09641-15
Acenaphthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b)fluoranthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
bis-(2-Ethylhexyl)phthalate , mg/kg^2	<0.5	<0.5	<0.5	<0.5	<0.5
Chrysene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorobenzene , mg/kg^2	<0.2	<0.2	<0.2	<0.2	<0.2
Indeno(1,2,3-cd)pyrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Napthalene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Phenol , mg/kg^2	<0.2	<0.2	<0.2	<0.2	<0.2
Pyrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
C6-C8 , mg/kg	<50	<50	<50	<50	<50
C9-C16 , mg/kg	<50	310	410	230	410
C17-C35, mg/kg	<50	250	210	320	380

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TEST REPORT

Laboratory No.:	09641
Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03

Results:

Sample ID	KTN-77.78 -4 (0.5m)	KTN-77.78 -4 (1.0m)	KTN-77.78 -4 (1.5m)	KTN-77.78 -5 (0.5m)	KTN-77.78 -5 (1.0m)
Sample Number	09641-11	09641-12	09641-13	09641-14	09641-15
2,4'-Dichlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2',5-Trichlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,4,4'-Trichlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2', 3,5'-Tetrachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2', 5,5'-Tetrachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,3', 4,4'-Tetrachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
3,3', 4,4'-Tetrachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2', 4,5,5'-Pentachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,3,3', 4,4'-Pentachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,3', 4,4',5-Pentachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
3,3', 4,4',5-Pentachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2', 3,3',4,4'-Hexachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2', 3,4,4',5'-Hexachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2', 4,4',5,5'-Hexachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
3,3', 4,4',5,5'-Hexachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2', 3,3',4,4',5-Heptachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2', 3,4,4',5,5'-Heptachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2', 3,4',5,5',6-Heptachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
Cyanide, free, mg/kg[2]	<0.01	<0.01	<0.01	0.02	<0.01

Remark: 1) < = less than

2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada

3) N/A = Not applicable

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TEST REPORT

Laboratory No.:	09641
Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03

Results:

Sample ID	KTN-77.78-5 (1.5m)	KTN-77.78-6 (0.5m)	KTN-77.78-6 (1.0m)	KTN77.78-6 (1.5m)	KTN-77.78-7 (0.5m)
Sample Number	09641-16	09641-17	09641-18	09641-19	09641-20
Antimony, mg/kg	0.8	1.1	0.5	0.5	0.3
Arsenic, mg/kg	97	270	330	100	300
Barium, mg/kg	23	36	25	16	24
Cadmium, mg/kg	1.1	3.6	4.6	1.2	4.2
Chromium III, mg/kg	33	12	14	11	11
Chromium VI, mg/kg[2]	<0.2	<0.2	<0.2	<0.2	<0.2
Cobalt, mg/kg	1.1	3.6	4.6	1.2	4.2
Copper, mg/kg	9.8	10	10	6.3	8.2
Lead, mg/kg, mg/kg	56	33	35	23	26
Manganese, mg/kg[2]	310	33	14	20	33
Mercury, mg/kg	0.09	0.12	0.11	0.13	0.13
Molybdenum, mg/kg	0.8	0.5	0.4	0.7	<0.2
Nickel, mg/kg	1.8	1.8	1.7	1.8	1.9
Tin, mg/kg	0.8	0.9	1.3	1.1	0.9
Zinc, mg/kg	37	25	21	19	10
Acetone, mg/kg[2]	0.1	<0.1	0.1	0.2	0.2
Benzene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Bromodichloromethane, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
2-Butanone, mg/kg[2]	<0.03	<0.03	<0.03	<0.03	<0.03
Chloroform, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Ethylbenzene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Methyl tert-Butyl Ether, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Methylene Chloride, mg/kg[2]	<0.003	0.005	0.004	0.004	0.015
Styrene, mg/kg[2]	<0.002	0.003	<0.002	<0.002	0.005
Tetrachloroethene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Toluene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Trichloroethene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Xylenes (Total) , mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002

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Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03

Page: 14 of 21

Results:

Sample ID	KTN-77.78-5 (1.5m)	KTN-77.78-6 (0.5m)	KTN-77.78-6 (1.0m)	KTN77.78-6 (1.5m)	KTN-77.78-7 (0.5m)
Sample Number	09641-16	09641-17	09641-18	09641-19	09641-20
Acenaphthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b)fluoranthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
bis-(2-Ethylhexyl)phthalate , mg/kg^2	<0.5	<0.5	<0.5	<0.5	<0.5
Chrysene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorobenzene , mg/kg^2	<0.2	<0.2	<0.2	<0.2	<0.2
Indeno(1,2,3-cd)pyrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Napthalene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Phenol , mg/kg^2	<0.2	<0.2	<0.2	<0.2	<0.2
Pyrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
C6-C8 , mg/kg	<50	<50	<50	<50	<50
C9-C16 , mg/kg	210	170	110	80	<50
C17-C35, mg/kg	220	110	90	110	<50

Remark: 1) < = less than

2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada

3) N/A = Not applicable

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TEST REPORT

Laboratory No.:	09641
Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03

Results:

Sample ID	KTN-77.78 -5 (1.5m)	KTN-77.78 -6 (0.5m)	KTN-77.78 -6 (1.0m)	KTN77.78-6 (1.5m)	KTN-77.78 -7 (0.5m)
Sample Number	09641-16	09641-17	09641-18	09641-19	09641-20
2,4'-Dichlorobiphenyl, µg/kg	<2	<2	<2	<2	<2
2,2',5-Trichlorobiphenyl, µg/kg	<2	<2	<2	<2	<2
2,4,4'-Trichlorobiphenyl, µg/kg	<2	<2	<2	<2	<2
2,2', 3,5'-Tetrachlorobiphenyl, µg/kg	<2	<2	<2	<2	<2
2,2', 5,5'-Tetrachlorobiphenyl, µg/kg	<2	<2	<2	<2	<2
2,3', 4,4'-Tetrachlorobiphenyl, µg/kg	<2	<2	<2	<2	<2
3,3', 4,4'-Tetrachlorobiphenyl, µg/kg	<2	<2	<2	<2	<2
2,2', 4,5,5'-Pentachlorobiphenyl, µg/kg	<2	<2	<2	<2	<2
2,3,3', 4,4'-Pentachlorobiphenyl, µg/kg	<2	<2	<2	<2	<2
2,3', 4,4',5-Pentachlorobiphenyl, µg/kg	<2	<2	<2	<2	<2
3,3', 4,4',5-Pentachlorobiphenyl, µg/kg	<2	<2	<2	<2	<2
2,2', 3,3',4,4'-Hexachlorobiphenyl, µg/kg	<2	<2	<2	<2	<2
2,2', 3,4,4',5'-Hexachlorobiphenyl, µg/kg	<2	<2	<2	<2	<2
2,2', 4,4',5,5'-Hexachlorobiphenyl, µg/kg	<2	<2	<2	<2	<2
3,3', 4,4',5,5'-Hexachlorobiphenyl, µg/kg	<2	<2	<2	<2	<2
2,2', 3,3',4,4',5-Heptachlorobiphenyl, µg/kg	<2	<2	<2	<2	<2
2,2', 3,4,4',5,5'-Heptachlorobiphenyl, µg/kg	<2	<2	<2	<2	<2
2,2', 3,4',5,5',6-Heptachlorobiphenyl, µg/kg	<2	<2	<2	<2	<2
Cyanide, free, mg/kg[2]	<0.01	<0.01	<0.01	<0.01	<0.01

Remark: 1) < = less than

2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada

3) N/A = Not applicable

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TEST REPORT

Laboratory No.:	09641
Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03

Results:

Sample ID	KTN-77.78-7 (1.0m)	KTN-77.78-7 (1.5m)	KTN-77.78-8 (0.5m)	KTN-77.78-8 (1.0m)	KTN-77.78-8 (1.5m)
Sample Number	09641-21	09641-22	09641-23	09641-24	09641-25
Antimony, mg/kg	0.5	0.1	0.6	0.6	0.2
Arsenic, mg/kg	380	340	410	430	400
Barium, mg/kg	28	22	39	34	41
Cadmium, mg/kg	5.3	4.5	5.7	5.9	5.4
Chromium III, mg/kg	17	17	14	14	18
Chromium VI, mg/kg[2]	<0.2	<0.2	<0.2	<0.2	<0.2
Cobalt, mg/kg	5.3	4.5	5.7	5.9	5.4
Copper, mg/kg	11	17	12	18	17
Lead, mg/kg, mg/kg	47	91	55	45	59
Manganese, mg/kg[2]	15	42	27	18	22
Mercury, mg/kg	0.13	0.06	0.08	0.08	0.08
Molybdenum, mg/kg	0.6	1.1	0.6	0.3	0.9
Nickel, mg/kg	1.3	1.3	1.9	1.6	1.6
Tin, mg/kg	1.6	1.2	1.6	1.3	1.3
Zinc, mg/kg	13	26	50	17	41
Acetone, mg/kg[2]	0.2	0.2	0.1	<0.1	<0.1
Benzene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Bromodichloromethane, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
2-Butanone, mg/kg[2]	<0.03	<0.03	<0.03	<0.03	<0.03
Chloroform, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Ethylbenzene, mg/kg[2]	0.004	0.005	0.004	0.004	0.009
Methyl tert-Butyl Ether, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Methylene Chloride, mg/kg[2]	0.017	0.013	0.016	0.012	0.013
Styrene, mg/kg[2]	0.005	0.012	0.005	0.006	0.007
Tetrachloroethene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Toluene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Trichloroethene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002
Xylenes (Total) , mg/kg[2]	0.002	0.004	0.003	0.002	0.007

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TEST REPORT

Laboratory No.:	09641
Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03

Results:

Sample ID	KTN-77.78-7 (1.0m)	KTN-77.78-7 (1.5m)	KTN-77.78-8 (0.5m)	KTN-77.78-8 (1.0m)	KTN-77.78-8 (1.5m)
Sample Number	09641-21	09641-22	09641-23	09641-24	09641-25
Acenaphthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b)fluoranthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
bis-(2-Ethylhexyl)phthalate , mg/kg^2	<0.5	<0.5	<0.5	<0.5	<0.5
Chrysene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorobenzene , mg/kg^2	<0.2	<0.2	<0.2	<0.2	<0.2
Indeno(1,2,3-cd)pyrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Napthalene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
Phenol , mg/kg^2	<0.2	<0.2	<0.2	<0.2	<0.2
Pyrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1	<0.1
C6-C8 , mg/kg	<50	<50	<50	<50	<50
C9-C16 , mg/kg	<50	<50	170	100	<50
C17-C35, mg/kg	<50	<50	110	60	<50

Remark: 1) < = less than

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3) N/A = Not applicable

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TEST REPORT

Laboratory No.:	09641
Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03

Results:

Sample ID	KTN-77.78 -7 (1.0m)	KTN-77.78 -7 (1.5m)	KTN-77.78 -8 (0.5m)	KTN-77.78 -8 (1.0m)	KTN-77.78 -8 (1.5m)
Sample Number	09641-21	09641-22	09641-23	09641-24	09641-25
2,4'-Dichlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2',5-Trichlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,4,4'-Trichlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2', 3,5'-Tetrachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2', 5,5'-Tetrachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,3', 4,4'-Tetrachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
3,3', 4,4'-Tetrachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2', 4,5,5'-Pentachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,3,3', 4,4'-Pentachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,3', 4,4',5-Pentachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
3,3', 4,4',5-Pentachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2', 3,3',4,4'-Hexachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2', 3,4,4',5'-Hexachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2', 4,4',5,5'-Hexachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
3,3', 4,4',5,5'-Hexachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2', 3,3',4,4',5-Heptachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2', 3,4,4',5,5'-Heptachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
2,2', 3,4',5,5',6-Heptachlorobiphenyl, μg/kg	<2	<2	<2	<2	<2
Cyanide, free, mg/kg[2]	<0.01	<0.01	<0.01	<0.01	<0.01

Remark: 1) < = less than

2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada

3) N/A = Not applicable

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TEST REPORT

Laboratory No.:	09641
Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03

Results:

Sample ID	KTN-77.78-1 (1.0m Duplicate)
Sample Number	09641-26
Antimony, mg/kg	0.9
Arsenic, mg/kg	150
Barium, mg/kg	15
Cadmium, mg/kg	2.3
Chromium III, mg/kg	10
Chromium VI, mg/kg[2]	<0.2
Cobalt, mg/kg	1.1
Copper, mg/kg	8.2
Lead, mg/kg, mg/kg	32
Manganese, mg/kg[2]	39
Mercury, mg/kg	0.06
Molybdenum, mg/kg	<0.2
Nickel, mg/kg	2.2
Tin, mg/kg	0.8
Zinc, mg/kg	16
Acetone, mg/kg[2]	0.3
Benzene, mg/kg[2]	<0.002
Bromodichloromethane, mg/kg[2]	<0.002
2-Butanone, mg/kg[2]	<0.03
Chloroform, mg/kg[2]	<0.002
Ethylbenzene, mg/kg[2]	<0.002
Methyl tert-Butyl Ether, mg/kg[2]	<0.002
Methylene Chloride, mg/kg[2]	0.005
Styrene, mg/kg[2]	<0.002
Tetrachloroethene, mg/kg[2]	<0.002
Toluene, mg/kg[2]	<0.002
Trichloroethene, mg/kg[2]	<0.002
Xylenes (Total) , mg/kg[2]	<0.002

Remark: 1) < = less than

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TEST REPORT

Laboratory No.:	09641
Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03

Results:

Sample ID	KTN-77.78-1 (1.0m Duplicate)
Sample Number	09641-26
Acenaphthene , mg/kg^2	<0.1
Acenaphthylene , mg/kg^2	<0.1
Anthracene , mg/kg^2	<0.1
Benzo(a)anthracene , mg/kg^2	<0.1
Benzo(a)pyrene , mg/kg^2	<0.1
Benzo(b)fluoranthene , mg/kg^2	<0.1
Benzo(g,h,i)perylene , mg/kg^2	<0.1
Benzo(k)fluoranthene , mg/kg^2	<0.1
bis-(2-Ethylhexyl)phthalate , mg/kg^2	<0.5
Chrysene , mg/kg^2	<0.1
Dibenzo(a,h)anthracene , mg/kg^2	<0.1
Fluoranthene , mg/kg^2	<0.1
Fluorene , mg/kg^2	<0.1
Hexachlorobenzene , mg/kg^2	<0.2
Indeno(1,2,3-cd)pyrene , mg/kg^2	<0.1
Napthalene , mg/kg^2	<0.1
Phenanthrene , mg/kg^2	<0.1
Phenol , mg/kg^2	<0.2
Pyrene , mg/kg^2	<0.1
C6-C8 , mg/kg	<50
C9-C16 , mg/kg	220
C17-C35, mg/kg	190

Remark: 1) < = less than

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TEST REPORT

Laboratory No.:	09641
Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03

Page: 21 of 21

Results:

Sample ID	KTN-77.78-1 (1.0m Duplicate)
Sample Number	09641-26
2,4'-Dichlorobiphenyl, μg/kg	<2
2,2',5-Trichlorobiphenyl, μg/kg	<2
2,4,4'-Trichlorobiphenyl, μg/kg	<2
2,2', 3,5'-Tetrachlorobiphenyl, μg/kg	<2
2,2', 5,5'-Tetrachlorobiphenyl, μg/kg	<2
2,3', 4,4'-Tetrachlorobiphenyl, μg/kg	<2
3,3', 4,4'-Tetrachlorobiphenyl, μg/kg	<2
2,2', 4,5,5'-Pentachlorobiphenyl, μg/kg	<2
2,3,3', 4,4'-Pentachlorobiphenyl, μg/kg	<2
2,3', 4,4',5-Pentachlorobiphenyl, μg/kg	<2
3,3', 4,4',5-Pentachlorobiphenyl, μg/kg	<2
2,2', 3,3',4,4'-Hexachlorobiphenyl, μg/kg	<2
2,2', 3,4,4',5'-Hexachlorobiphenyl, μg/kg	<2
2,2', 4,4',5,5'-Hexachlorobiphenyl, μg/kg	<2
3,3', 4,4',5,5'-Hexachlorobiphenyl, μg/kg	<2
2,2', 3,3',4,4',5-Heptachlorobiphenyl, μg/kg	<2
2,2', 3,4,4',5,5'-Heptachlorobiphenyl, μg/kg	<2
2,2', 3,4',5,5',6-Heptachlorobiphenyl, μg/kg	<2
Cyanide, free, mg/kg[2]	<0.01

Remark: 1) < = less than

2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada

3) N/A = Not applicable

**********END OF REPORT**********

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TEST REPORT

APPLICANT: **Civil Engineering and Development Department**
23/F, Kwun Tong View,
410 Kwun Tong Road,
Kwoloon, Hong Kong

ATTN: **Ms. Alice Law**

Laboratory No.:	QC09641
Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03
Page:	1 of 12

QC report:
Method Blank

Parameter	Method Blank	Acceptance
Antimony, µg/L	<0.2	<0.2
Arsenic, µg/L	<0.2	<0.2
Barium, µg/L	<0.2	<0.2
Cadmium, µg/L	<0.1	<0.1
Chromium III, mg/kg	<0.2	<0.2
Chromium VI, mg/kg^2	<0.2	<0.2
Cobalt, µg/L	<0.2	<0.2
Copper, µg/L	<0.2	<0.2
Lead, µg/L	<0.2	<0.2
Manganese, mg/kg^2	<1	<1
Mercury, µg/L	<0.2	<0.2
Molybdenum, µg/L	<0.2	<0.2
Nickel, µg/L	<0.2	<0.2
Tin, µg/L	<0.2	<0.2
Zinc, µg/L	<0.4	<0.4
Acetone, mg/kg^2	<0.1	<0.1
Benzene, mg/kg^2	<0.002	<0.002
Bromodichloromethane, mg/kg^2	<0.002	<0.002
2-Butanone, mg/kg^2	<0.03	<0.03
Chloroform, mg/kg^2	<0.002	<0.002
Ethylbenzene, mg/kg^2	<0.002	<0.002
Methyl tert-Butyl Ether, mg/kg^2	<0.002	<0.002
Methylene Chloride, mg/kg^2	<0.003	<0.003
Styrene, mg/kg^2	<0.002	<0.002

Remark: 1) < = less than
2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada
3) N/A = Not applicable

****

PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

Dr. Priscilla Choy
Laboratory Director

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TEST REPORT

Laboratory No.:	QC09641
Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03

QC report:
Method Blank

Parameter	Method Blank	Acceptance
Tetrachloroethene, mg/kg[2]	<0.002	<0.002
Toluene, mg/kg[2]	<0.002	<0.002
Trichloroethene, mg/kg[2]	<0.002	<0.002
Xylenes (Total) , mg/kg[2]	<0.002	<0.002
Acenaphthene, mg/kg[2]	<0.1	<0.1
Acenaphthylene, mg/kg[2]	<0.1	<0.1
Anthracene, mg/kg[2]	<0.1	<0.1
Benzo(a)anthracene, mg/kg[2]	<0.1	<0.1
Benzo(a)pyrene, mg/kg[2]	<0.1	<0.1
Benzo(b)fluoranthene, mg/kg[2]	<0.1	<0.1
Benzo(g,h,i)perylene, mg/kg[2]	<0.1	<0.1
Benzo(k)fluoranthene, mg/kg[2]	<0.1	<0.1
bis-(2-Ethylhexyl)phthalate, mg/kg[2]	<0.5	<0.5
Chrysene, mg/kg[2]	<0.1	<0.1
Dibenzo(a,h)anthracene[2], mg/kg	<0.1	<0.1
Fluoranthene, mg/kg[2]	<0.1	<0.1
Fluorene, mg/kg[2]	<0.1	<0.1
Hexachlorobenzene, mg/kg[2]	<0.2	<0.2
Indeno(1,2,3-cd)pyrene, mg/kg[2]	<0.1	<0.1
Napthalene, mg/kg[2]	<0.1	<0.1
Phenanthrene, mg/kg[2]	<0.1	<0.1
Phenol, mg/kg[2]	<0.2	<0.2
Pyrene, mg/kg[2]	<0.1	<0.1
Petroleum Carbon Range (C6-C8), mg/kg	<10	<10
Petroleum Carbon Range (C9-C16), mg/kg	<10	<10
Petroleum Carbon Range (C17-C35), mg/kg	<10	<10

Remark: 1) < = less than
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3) N/A = Not applicable

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Tel: 2898 7388 Fax: 2898 7076
Website: www.wellab.com.hk

TEST REPORT

Laboratory No.:	QC09641
Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03

QC report:
Method Blank

Parameter	Method Blank	Acceptance
2,4'-Dichlorobiphenyl, µg/kg	<0.4	<0.4
2,2',5-Trichlorobiphenyl, µg/kg	<0.4	<0.4
2,4,4'-Trichlorobiphenyl, µg/kg	<0.4	<0.4
2,2', 3,5'-Tetrachlorobiphenyl, µg/kg	<0.4	<0.4
2,2', 5,5'-Tetrachlorobiphenyl, µg/kg	<0.4	<0.4
2,3', 4,4'-Tetrachlorobiphenyl, µg/kg	<0.4	<0.4
3,3', 4,4'-Tetrachlorobiphenyl, µg/kg	<0.4	<0.4
2,2', 4,5,5'-Pentachlorobiphenyl, µg/kg	<0.4	<0.4
2,3,3', 4,4'-Pentachlorobiphenyl, µg/kg	<0.4	<0.4
2,3', 4,4',5-Pentachlorobiphenyl, µg/kg	<0.4	<0.4
3,3', 4,4',5-Pentachlorobiphenyl, µg/kg	<0.4	<0.4
2,2', 3,3',4,4'-Hexachlorobiphenyl, µg/kg	<0.4	<0.4
2,2', 3,4,4',5'-Hexachlorobiphenyl, µg/kg	<0.4	<0.4
2,2', 4,4',5,5'-Hexachlorobiphenyl, µg/kg	<0.4	<0.4
3,3', 4,4',5,5'-Hexachlorobiphenyl, µg/kg	<0.4	<0.4
2,2', 3,3',4,4',5-Heptachlorobiphenyl, µg/kg	<0.4	<0.4
Cyanide, free, mg/kg[2]	<0.01	<0.01

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TEST REPORT

Laboratory No.:	QC09641
Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03

QC report:
Method QC

Parameter	Method QC, %	Acceptance
Antimony, %	96	80-120%
Arsenic, %	96	80-120%
Barium, %	98	80-120%
Cadmium, %	96	80-120%
Chromium III, %	97	80-120%
Chromium VI, %[2]	94	85-115%
Cobalt, %	98	80-120%
Copper, %	96	80-120%
Lead, %	97	80-120%
Manganese, %[2]	103	75-125%
Mercury, %	101	80-120%
Molybdenum, %	96	80-120%
Nickel, %	98	80-120%
Tin, %	96	80-120%
Zinc, %	98	80-120%
Acetone, %[2]	68	60-140%
Benzene, %[2]	104	70-130%
Bromodichloromethane, %[2]	113	70-130%
2-Butanone, %[2]	78	60-140%
Chloroform, %[2]	113	70-130%
Ethylbenzene, %[2]	107	70-130%
Methyl tert-Butyl Ether, %[2]	109	70-130%
Methylene Chloride, %[2]	108	70-130%
Styrene, %[2]	111	70-130%
Tetrachloroethene, %[2]	110	70-130%
Toluene, %[2]	102	70-130%
Trichloroethene, %[2]	109	70-130%
Xylenes (Total) , %[2]	106	70-130%

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TEST REPORT

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Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03

QC report:
Method QC

Parameter	Method QC, %	Acceptance
Acenaphthene, %[2]	84	30-130%
Acenaphthylene, %[2]	79	30-130%
Anthracene, %[2]	79	30-130%
Benzo(a)anthracene, %[2]	86	30-130%
Benzo(a)pyrene, %[2]	92	30-130%
Benzo(b)fluoranthene, %[2]	90	30-130%
Benzo(g,h,i)perylene, %[2]	80	30-130%
Benzo(k)fluoranthene, %[2]	83	30-130%
bis-(2-Ethylhexyl)phthalate, %[2]	109	30-130%
Chrysene, %[2]	91	30-130%
Dibenzo(a,h)anthracene, %[2]	89	30-130%
Fluoranthene, %[2]	87	30-130%
Fluorene, %[2]	78	30-130%
Hexachlorobenzene, %[2]	91	30-130%
Indeno(1,2,3-cd)pyrene, %[2]	67	30-130%
Napthalene, %[2]	79	30-130%
Phenanthrene, %[2]	79	30-130%
Phenol, %[2]	93	10-130%
Pyrene, %[2]	107	30-130%
Petroleum Carbon Range (C6-C8), %	86	70-130%
Petroleum Carbon Range (C9-C16), %	98	70-130%
Petroleum Carbon Range (C17-C35), %	87	70-130%

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TEST REPORT

Laboratory No.:	QC09641
Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03

QC report:
Method QC

Parameter	Method QC, %	Acceptance
2,4'-Dichlorobiphenyl, %	106	70-130%
2,2',5-Trichlorobiphenyl, %	104	70-130%
2,4,4'-Trichlorobiphenyl, %	93	70-130%
2,2', 3,5'-Tetrachlorobiphenyl, %	96	70-130%
2,2', 5,5'-Tetrachlorobiphenyl, %	95	70-130%
2,3', 4,4'-Tetrachlorobiphenyl, %	86	70-130%
3,3', 4,4'-Tetrachlorobiphenyl, %	89	70-130%
2,2', 4,5,5'-Pentachlorobiphenyl, %	89	70-130%
2,3,3', 4,4'-Pentachlorobiphenyl, %	93	70-130%
2,3', 4,4',5-Pentachlorobiphenyl, %	94	70-130%
3,3', 4,4',5-Pentachlorobiphenyl, %	96	70-130%
2,2', 3,3',4,4'-Hexachlorobiphenyl, %	95	70-130%
2,2', 3,4,4',5'-Hexachlorobiphenyl, %	86	70-130%
2,2', 4,4',5,5'-Hexachlorobiphenyl, %	93	70-130%
3,3', 4,4',5,5'-Hexachlorobiphenyl, %	94	70-130%
2,2', 3,3',4,4',5-Heptachlorobiphenyl, %	95	70-130%
2,2', 3,4,4',5,5'-Heptachlorobiphenyl, %	101	70-130%
2,2', 3,4',5,5',6-Heptachlorobiphenyl, %	96	70-130%
Cyanide, free, %[2]	102	75-125%

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TEST REPORT

Laboratory No.:	QC09641
Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03

QC report:
Sample Spike

Parameter	Spike Recovery, %	Acceptance
Antimony, %	92	80-120%
Arsenic, %	96	80-120%
Barium, %	94	80-120%
Cadmium, %	93	80-120%
Chromium III, %	102	80-120%
Chromium VI, %[2]	106	75-125%
Cobalt, %	92	80-120%
Copper, %	93	80-120%
Lead, %	94	80-120%
Manganese, %[2]	96	75-125%
Mercury, %	86	80-120%
Molybdenum, %	94	80-120%
Nickel, %	93	80-120%
Tin, %	95	80-120%
Zinc, %	96	80-120%
Acetone, %[2]	63	24-171%
Benzene, %[2]	104	39-137%
Bromodichloromethane, %[2]	119	45-131%
2-Butanone, %[2]	78	39-160%
Chloroform, %[2]	114	48-128%
Ethylbenzene, %[2]	105	46-150%
Methyl tert-Butyl Ether, %[2]	110	37-150%
Methylene Chloride, %[2]	107	47-124%
Styrene, %[2]	91	27-148%
Tetrachloroethene, %[2]	108	45-154%
Toluene, %[2]	108	30-158%
Trichloroethene, %[2]	105	39-146%
Xylenes (Total) , %[2]	N/A	N/A

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Date Completed:	2009-12-03

QC report:
Sample Spike

Parameter	Spike Recovery, %	Acceptance
Acenaphthene, %[2]	80	30-130%
Acenaphthylene, %[2]	75	30-130%
Anthracene, %[2]	79	30-130%
Benzo(a)anthracene, %[2]	85	30-130%
Benzo(a)pyrene, %[2]	91	30-130%
Benzo(b)fluoranthene, %[2]	93	30-130%
Benzo(g,h,i)perylene, %[2]	74	30-130%
Benzo(k)fluoranthene, %[2]	83	30-130%
bis-(2-Ethylhexyl)phthalate, %[2]	91	30-130%
Chrysene, %[2]	80	30-130%
Dibenzo(a,h)anthracene, %[2]	87	30-130%
Fluoranthene, %[2]	76	30-130%
Fluorene, %[2]	55	30-130%
Hexachlorobenzene, %[2]	73	30-130%
Indeno(1,2,3-cd)pyrene, %[2]	80	30-130%
Napthalene, %[2]	80	30-130%
Phenanthrene, %[2]	75	30-130%
Phenol, %[2]	90	10-130%
Pyrene, %[2]	115	30-130%
Petroleum Carbon Range (C6-C8), %	93	70-130%
Petroleum Carbon Range (C9-C16), %	96	70-130%
Petroleum Carbon Range (C17-C35), %	90	70-130%

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Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03

QC report:
Sample Spike

Parameter	Spike Recovery, %	Acceptance
2,4'-Dichlorobiphenyl, %	89	70-130%
2,2',5-Trichlorobiphenyl, %	92	70-130%
2,4,4'-Trichlorobiphenyl, %	93	70-130%
2,2', 3,5'-Tetrachlorobiphenyl, %	96	70-130%
2,2', 5,5'-Tetrachlorobiphenyl, %	94	70-130%
2,3', 4,4'-Tetrachlorobiphenyl, %	93	70-130%
3,3', 4,4'-Tetrachlorobiphenyl, %	98	70-130%
2,2', 4,5,5'-Pentachlorobiphenyl, %	101	70-130%
2,3,3', 4,4'-Pentachlorobiphenyl, %	103	70-130%
2,3', 4,4',5-Pentachlorobiphenyl, %	86	70-130%
3,3', 4,4',5-Pentachlorobiphenyl, %	96	70-130%
2,2', 3,3',4,4'-Hexachlorobiphenyl, %	94	70-130%
2,2', 3,4,4',5'-Hexachlorobiphenyl, %	93	70-130%
2,2', 4,4',5,5'-Hexachlorobiphenyl, %	110	70-130%
3,3', 4,4',5,5'-Hexachlorobiphenyl, %	86	70-130%
2,2', 3,3',4,4',5-Heptachlorobiphenyl, %	98	70-130%
2,2', 3,4,4',5,5'-Heptachlorobiphenyl, %	98	70-130%
2,2', 3,4',5,5',6-Heptachlorobiphenyl, %	96	70-130%
Cyanide, free, %[2]	N/A	75-125%

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TEST REPORT

Laboratory No.:	QC09641
Date of Issue:	2009-12-11
Date Received:	2009-11-09
Date Tested:	2009-11-09
Date Completed:	2009-12-03

QC report:
Sample Duplicate

Parameter	RPD, %	Acceptance
Antimony, %	6	≤20%
Arsenic, %	4	≤20%
Barium, %	4	≤20%
Cadmium, %	3	≤20%
Chromium III, %	8	≤20%
Chromium VI, %[2]	N/A	≤35%
Cobalt, %	7	≤20%
Copper, %	3	≤20%
Lead, %	6	≤20%
Manganese, %[2]	6	≤35%
Mercury, %	3	≤20%
Molybdenum, %	3	≤20%
Nickel, %	6	≤20%
Tin, %	7	≤20%
Zinc, %	6	≤20%
Acetone, %[2]	N/A	≤50%
Benzene, %[2]	N/A	≤50%
Bromodichloromethane, %[2]	N/A	≤50%
2-Butanone, %[2]	N/A	≤50%
Chloroform, %[2]	N/A	≤50%
Ethylbenzene, %[2]	N/A	≤50%
Methyl tert-Butyl Ether, %[2]	N/A	≤50%
Methylene Chloride, %[2]	N/A	≤50%
Styrene, %[2]	N/A	≤50%
Tetrachloroethene, %[2]	N/A	≤50%
Toluene, %[2]	N/A	≤50%
Trichloroethene, %[2]	N/A	≤50%
Xylenes (Total) , %[2]	N/A	≤50%

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TEST REPORT

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Date Tested:	2009-11-09
Date Completed:	2009-12-03

QC report:
Sample Duplicate

Parameter	RPD, %	Acceptance
Acenaphthene, %[2]	N/A	≤50%
Acenaphthylene, %[2]	N/A	≤50%
Anthracene, %[2]	N/A	≤50%
Benzo(a)anthracene, %[2]	N/A	≤50%
Benzo(a)pyrene, %[2]	N/A	≤50%
Benzo(b)fluoranthene, %[2]	N/A	≤50%
Benzo(g,h,i)perylene, %[2]	N/A	≤50%
Benzo(k)fluoranthene, %[2]	N/A	≤50%
bis-(2-Ethylhexyl)phthalate, %[2]	N/A	≤50%
Chrysene, %[2]	N/A	≤50%
Dibenzo(a,h)anthracene, %[2]	N/A	≤50%
Fluoranthene, %[2]	N/A	≤50%
Fluorene, %[2]	N/A	≤50%
Hexachlorobenzene, %[2]	N/A	≤50%
Indeno(1,2,3-cd)pyrene, %[2]	N/A	≤50%
Napthalene, %[2]	N/A	≤50%
Phenanthrene, %[2]	N/A	≤50%
Phenol, %[2]	N/A	≤50%
Pyrene, %[2]	N/A	≤50%
Petroleum Carbon Range (C6-C8), %	N/A	≤20%
Petroleum Carbon Range (C9-C16), %	N/A	≤20%
Petroleum Carbon Range (C17-C35), %	N/A	≤20%

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TEST REPORT

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Date Tested:	2009-11-09
Date Completed:	2009-12-03

QC report:
Sample Duplicate

Parameter	RPD, %	Acceptance
2,4'-Dichlorobiphenyl, %	N/A	≤20%
2,2',5-Trichlorobiphenyl, %	N/A	≤20%
2,4,4'-Trichlorobiphenyl, %	N/A	≤20%
2,2', 3,5'-Tetrachlorobiphenyl, %	N/A	≤20%
2,2', 5,5'-Tetrachlorobiphenyl, %	N/A	≤20%
2,3', 4,4'-Tetrachlorobiphenyl, %	N/A	≤20%
3,3', 4,4'-Tetrachlorobiphenyl, %	N/A	≤20%
2,2', 4,5,5'-Pentachlorobiphenyl, %	N/A	≤20%
2,3,3', 4,4'-Pentachlorobiphenyl, %	N/A	≤20%
2,3', 4,4',5-Pentachlorobiphenyl, %	N/A	≤20%
3,3', 4,4',5-Pentachlorobiphenyl, %	N/A	≤20%
2,2', 3,3',4,4'-Hexachlorobiphenyl, %	N/A	≤20%
2,2', 3,4,4',5'-Hexachlorobiphenyl, %	N/A	≤20%
2,2', 4,4',5,5'-Hexachlorobiphenyl, %	N/A	≤20%
3,3', 4,4',5,5'-Hexachlorobiphenyl, %	N/A	≤20%
2,2', 3,3',4,4',5-Heptachlorobiphenyl, %	N/A	≤20%
2,2', 3,4,4',5,5'-Heptachlorobiphenyl, %	N/A	≤20%
2,2', 3,4',5,5',6-Heptachlorobiphenyl, %	N/A	≤20%
Cyanide, free, %[2]	N/A	≤35%

Remark: 1) < = less than
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3) N/A = Not applicable

**********END OF REPORT**********

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TEST REPORT

APPLICANT: **Civil Engineering and Development Department**
23/F, Kwun Tong View,
410 Kwun Tong Road,
Kwoloon, Hong Kong

Laboratory No.:	09641A
Date of Issue:	2010-02-17
Date Received:	2009-11-09
Date Tested:	2010-01-18
Date Completed:	2010-02-08

ATTN: **Ms. Alice Law** Page: 1 of 3

Contract No. : GP/CBT/2009/03
Provision of Chemical Testing Service for Various Government Projects

Service Order No. : GP/CBT/2009/03.03A

Sample Description : 8 samples as received by customer said to be Soil for Toxicity Characteristic Leaching Procedure (TCLP) testing

Sampling Date : 2009-11-09

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
1	Cadmium	In-house method SOP053 (ICP-ES)& In-house method SOP093 & SOP094 (ICPMS)	0.5 µg/L
2	Chromium		1.0 µg/L
3	Copper		1.0 µg/L
4	Nickel		1.0 µg/L
5	Lead		1.0 µg/L
6	Zinc		2.0 µg/L
7	Mercury		1.0 µg/L
8	Tin		1.0 µg/L
9	Silver		1.0 µg/L
10	Antimony		1.0 µg/L
11	Arsenic		1.0 µg/L
12	Beryllium		1.0 µg/L
13	Thallium		1.0 µg/L
14	Vanadium		1.0 µg/L
15	Selenium		1.0 µg/L
16	Barium		1.0 µg/L

****

PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

Dr. Priscilla Choy
Laboratory Director

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TEST REPORT

Laboratory No.:	09641A
Date of Issue:	2010-02-17
Date Received:	2009-11-09
Date Tested:	2010-01-18
Date Completed:	2010-02-08

Results:

Sample ID	KTN-23b-1 (1.5m)	KTN-77,78-2 (0.9m)	KTN-77,78-3 (0.5m)	KTN-77,78-4 (1.0m)
Sample Number	09641-3	09641-8	09641-9	09641-12
Cadmium, μg/L	<0.5	<0.5	<0.5	<0.5
Chromium, μg/L	<1	<1	<1	<1
Copper, μg/L	<1	2	2	1
Nickel, μg/L	<1	<1	<1	<1
Lead, μg/L	<1	<1	<1	<1
Zinc, μg/L	15	20	22	16
Mercury, μg/L	<1	<1	<1	<1
Tin, μg/L	<1	<1	<1	<1
Silver, μg/L	<1	<1	<1	<1
Antimony, μg/L	<1	<1	<1	<1
Arsenic, μg/L	1	<1	<1	2
Beryllium, μg/L	<1	<1	<1	<1
Thallium, μg/L	<1	<1	<1	<1
Vanadium, μg/L	<1	<1	<1	<1
Selenium, μg/L	<1	<1	<1	<1
Barium, μg/L	<1	<1	<1	<1

Remark: 1) < = less than

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TEST REPORT

Laboratory No.:	09641A
Date of Issue:	2010-02-17
Date Received:	2009-11-09
Date Tested:	2010-01-18
Date Completed:	2010-02-08

Results:

Sample ID	KTN-77,78-5 (1.0m)	KTN-77,78-6 (1.0m)	KTN-77,78-7 (1.0m)	KTN-77,78-8 (1.0m)
Sample Number	09641-15	09641-18	09641-21	09641-24
Cadmium, μg/L	<0.5	<0.5	<0.5	<0.5
Chromium, μg/L	<1	<1	<1	<1
Copper, μg/L	2	2	1	<1
Nickel, μg/L	<1	<1	<1	<1
Lead, μg/L	<1	<1	<1	<1
Zinc, μg/L	16	23	25	26
Mercury, μg/L	<1	<1	<1	<1
Tin, μg/L	<1	<1	<1	<1
Silver, μg/L	<1	<1	<1	<1
Antimony, μg/L	<1	<1	<1	<1
Arsenic, μg/L	<1	<1	<1	2
Beryllium, μg/L	<1	<1	<1	<1
Thallium, μg/L	<1	<1	<1	<1
Vanadium, μg/L	<1	<1	<1	<1
Selenium, μg/L	<1	<1	<1	<1
Barium, μg/L	<1	<1	<1	<1

Remark: 1) < = less than

**********END OF REPORT**********

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TEST REPORT

APPLICANT: **Civil Engineering and Development Department**
23/F, Kwun Tong View,
410 Kwun Tong Road,
Kwoloon, Hong Kong

ATTN: **Ms. Alice Law**

Laboratory No.:	QC09641A
Date of Issue:	2010-02-17
Date Received:	2009-11-09
Date Tested:	2010-01-18
Date Completed:	2010-02-08
Page:	1 of 4

QC report:
Method Blank

Parameter	Method Blank	Acceptance
Cadmium, μg/L	<0.1	<0.1
Chromium, μg/L	<0.2	<0.2
Copper, μg/L	<0.2	<0.2
Nickel, μg/L	<0.2	<0.2
Lead, μg/L	<0.2	<0.2
Zinc, μg/L	<0.4	<0.4
Mercury, μg/L	<0.2	<0.2
Tin, μg/L	<0.2	<0.2
Silver, μg/L	<0.2	<0.2
Antimony, μg/L	<0.2	<0.2
Arsenic, μg/L	<0.2	<0.2
Beryllium, μg/L	<0.2	<0.2
Thallium, μg/L	<0.2	<0.2
Vanadium, μg/L	<0.2	<0.2
Selenium, μg/L	<0.2	<0.2
Barium, μg/L	<0.2	<0.2

Remark: 1) < = less than
2) N/A = Not applicable

****

PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

Dr. Priscilla Choy
Laboratory Director

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TEST REPORT

Laboratory No.:	QC09641A
Date of Issue:	2010-02-17
Date Received:	2009-11-09
Date Tested:	2010-01-18
Date Completed:	2010-02-08

QC report:
Method QC

Parameter	Method QC, %	Acceptance
Cadmium, %	97	80-120%
Chromium, %	101	80-120%
Copper, %	94	80-120%
Nickel, %	93	80-120%
Lead, %	98	80-120%
Zinc, %	98	80-120%
Mercury, %	100	80-120%
Tin, %	100	80-120%
Silver, %	92	80-120%
Antimony, %	92	80-120%
Arsenic, %	94	80-120%
Beryllium, %	101	80-120%
Thallium, %	90	80-120%
Vanadium, %	91	80-120%
Selenium, %	96	80-120%
Barium, %	93	80-120%

Remark: 1) < = less than

2) N/A = Not applicable

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TEST REPORT

Laboratory No.:	QC09641A
Date of Issue:	2010-02-17
Date Received:	2009-11-09
Date Tested:	2010-01-18
Date Completed:	2010-02-08

QC report:
Sample Spike

Parameter	Spike Recovery, %	Acceptance
Cadmium, %	89	80-120%
Chromium, %	99	80-120%
Copper, %	97	80-120%
Nickel, %	94	80-120%
Lead, %	98	80-120%
Zinc, %	101	80-120%
Mercury, %	93	80-120%
Tin, %	90	80-120%
Silver, %	98	80-120%
Antimony, %	90	80-120%
Arsenic, %	92	80-120%
Beryllium, %	98	80-120%
Thallium, %	91	80-120%
Vanadium, %	102	80-120%
Selenium, %	82	80-120%
Barium, %	91	80-120%

Remark: 1) < = less than
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TEST REPORT

Laboratory No.:	QC09641A
Date of Issue:	2010-02-17
Date Received:	2009-11-09
Date Tested:	2010-01-18
Date Completed:	2010-02-08

QC report:
Sample Duplicate

Parameter	RPD, %	Acceptance
Cadmium, %	N/A	RPD ≤ 20%
Chromium, %	N/A	RPD ≤ 20%
Copper, %	N/A	RPD ≤ 20%
Nickel, %	N/A	RPD ≤ 20%
Lead, %	N/A	RPD ≤ 20%
Zinc, %	3	RPD ≤ 20%
Mercury, %	N/A	RPD ≤ 20%
Tin, %	N/A	RPD ≤ 20%
Silver, %	N/A	RPD ≤ 20%
Antimony, %	N/A	RPD ≤ 20%
Arsenic, %	8	RPD ≤ 20%
Beryllium, %	N/A	RPD ≤ 20%
Thallium, %	N/A	RPD ≤ 20%
Vanadium, %	N/A	RPD ≤ 20%
Selenium, %	N/A	RPD ≤ 20%
Barium, %	N/A	RPD ≤ 20%

Remark: 1) < = less than
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**********END OF REPORT**********

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TEST REPORT

APPLICANT: **Civil Engineering and Development Department**
23/F, Kwun Tong View,
410 Kwun Tong Road,
Kwoloon, Hong Kong

Laboratory No.:	09652
Date of Issue:	2009-12-11
Date Received:	2009-11-11
Date Tested:	2009-11-11
Date Completed:	2009-12-03

ATTN: **Ms. Alice Law** Page: 1 of 6

Contract No. : GP/CBT/2009/03
Provision of Chemical Testing Service for Various Government Projects
Service Order No. : GP/CBT/2009/03.03A
Sample Description : 4 samples as received by customer said to be Soil
Sampling Date : 2009-11-11
Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
1	Antimony	In-house method SOP053 (ICP-ES)& In-house method SOP093 & SOP094 (ICPMS)	0.2 mg/kg
2	Arsenic		0.1 mg/kg
3	Barium		0.2 mg/kg
4	Cadmium		0.1 mg/kg
5	Chromium III		0.2 mg/kg
6	Chromium VI	EPA 3060A	0.2 mg/kg
7	Cobalt	In-house method SOP053 (ICP-ES)& In-house method SOP093 & SOP094 (ICPMS)	0.2 mg/kg
8	Copper		0.2 mg/kg
9	Lead		0.2 mg/kg
10	Manganese	EPA 6020	1 mg/kg
11	Mercury	In-house method SOP053 (ICP-ES)& In-house method SOP093 & SOP094 (ICPMS)	0.05 mg/kg
12	Molybdenum		0.2 mg/kg
13	Nickel		0.2 mg/kg
14	Tin		0.2 mg/kg
15	Zinc		0.2 mg/kg

****

PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

Dr. Priscilla Choy
Laboratory Director

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TEST REPORT

Laboratory No.:	09652
Date of Issue:	2009-12-11
Date Received:	2009-11-11
Date Tested:	2009-11-11
Date Completed:	2009-12-03

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
16	Acetone	EPA 8260 modified	0.1 mg/kg
17	Benzene		0.002 mg/kg
18	Bromodichloromethane		0.002 mg/kg
19	2-Butanone		0.03 mg/kg
20	Chloroform		0.002 mg/kg
21	Ethylbenzene		0.002 mg/kg
22	Methyl tert-Butyl Ether		0.002 mg/kg
23	Methylene Chloride		0.003 mg/kg
24	Styrene		0.002 mg/kg
25	Tetrachloroethene		0.002 mg/kg
26	Toluene		0.002 mg/kg
27	Trichloroethene		0.002 mg/kg
28	Xylenes (Total)		0.002 mg/kg
29	Acenaphthene	EPA 8270 (modified)	0.1 mg/kg
30	Acenaphthylene		0.1 mg/kg
31	Anthracene		0.1 mg/kg
32	Benzo(a)anthracene		0.1 mg/kg
33	Benzo(a)pyrene		0.1 mg/kg
34	Benzo(b)fluoranthene		0.1 mg/kg
35	Benzo(g,h,i)perylene		0.1 mg/kg
36	Benzo(k)fluoranthene		0.1 mg/kg
37	bis-(2-Ethylhexyl)phthalate		0.5 mg/kg
38	Chrysene		0.1 mg/kg
39	Dibenzo(a,h)anthracene		0.1 mg/kg
40	Fluoranthene		0.1 mg/kg
41	Fluorene		0.1 mg/kg
42	Hexachlorobenzene		0.2 mg/kg
43	Indeno(1,2,3-cd)pyrene		0.1 mg/kg
44	Napthalene		0.1 mg/kg
45	Phenanthrene		0.1 mg/kg
46	Phenol		0.2 mg/kg
47	Pyrene		0.1 mg/kg
48	Petroleum Carbon Range (C6-C8)	USEPA 8260	50 mg/kg
49	Petroleum Carbon Range (C9-C16)		50 mg/kg
50	Petroleum Carbon Range (C17-C35)		50 mg/kg

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TEST REPORT

Laboratory No.:	09652
Date of Issue:	2009-12-11
Date Received:	2009-11-11
Date Tested:	2009-11-11
Date Completed:	2009-12-03

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
51	2,4'-Dichlorobiphenyl	In-house Method SOP 086, 088 and 089 (GC/MS)	2 µg/kg
52	2,2',5-Trichlorobiphenyl		2 µg/kg
53	2,4,4'-Trichlorobiphenyl		2 µg/kg
54	2,2', 3,5'-Tetrachlorobiphenyl		2 µg/kg
55	2,2', 5,5'-Tetrachlorobiphenyl		2 µg/kg
56	2,3', 4,4'-Tetrachlorobiphenyl		2 µg/kg
57	3,3', 4,4'-Tetrachlorobiphenyl		2 µg/kg
58	2,2', 4,5,5'-Pentachlorobiphenyl		2 µg/kg
59	2,3,3', 4,4'-Pentachlorobiphenyl		2 µg/kg
60	2,3', 4,4',5-Pentachlorobiphenyl		2 µg/kg
61	3,3', 4,4',5-Pentachlorobiphenyl		2 µg/kg
62	2,2', 3,3',4,4'-Hexachlorobiphenyl		2 µg/kg
63	2,2', 3,4,4',5'-Hexachlorobiphenyl		2 µg/kg
64	2,2', 4,4',5,5'-Hexachlorobiphenyl		2 µg/kg
65	3,3', 4,4',5,5'-Hexachlorobiphenyl		2 µg/kg
66	2,2', 3,3',4,4',5-Heptachlorobiphenyl		2 µg/kg
67	2,2', 3,4,4',5,5'-Heptachlorobiphenyl		2 µg/kg
68	2,2', 3,4',5,5',6-Heptachlorobiphenyl		2 µg/kg
69	Cyanide, free	USEPA 9213-1996	0.1 mg/kg

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TEST REPORT

Laboratory No.:	09652
Date of Issue:	2009-12-11
Date Received:	2009-11-11
Date Tested:	2009-11-11
Date Completed:	2009-12-03

Results:

Sample ID	KTN-77.78-1 (3.0m)	KTN-77.78-1 (6.0m)	KTN-77.78-4 (3.0m)	KTN-77.78-4 (6.0m)
Sample Number	09652-1	09652-2	09652-3	09652-4
Antimony, mg/kg	0.3	<0.2	<0.2	<0.2
Arsenic, mg/kg	210	110	15	4.9
Barium, mg/kg	26	16	13	5.5
Cadmium, mg/kg	2.9	1.5	0.1	<0.1
Chromium III, mg/kg	7.6	7.5	5.5	1.7
Chromium VI, mg/kg[2]	<0.2	<0.2	<0.2	<0.2
Cobalt, mg/kg	1.3	14	0.2	0.1
Copper, mg/kg	7.3	4.2	6.5	9.8
Lead, mg/kg, mg/kg	27	54	21	13
Manganese, mg/kg[2]	2000	150	8	10
Mercury, mg/kg	0.09	0.10	0.13	0.11
Molybdenum, mg/kg	0.9	0.7	0.5	0.3
Nickel, mg/kg	1.9	1.6	1.0	0.6
Tin, mg/kg	0.6	0.4	0.3	0.4
Zinc, mg/kg	54	51	30	36
Acetone, mg/kg[2]	0.2	0.1	0.2	0.3
Benzene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002
Bromodichloromethane, mg/kg[2]	<0.002	<0.002	<0.002	<0.002
2-Butanone, mg/kg[2]	<0.03	<0.03	<0.03	<0.03
Chloroform, mg/kg[2]	<0.002	<0.002	<0.002	<0.002
Ethylbenzene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002
Methyl tert-Butyl Ether, mg/kg[2]	<0.002	<0.002	<0.002	<0.002
Methylene Chloride, mg/kg[2]	<0.003	0.004	0.009	0.019
Styrene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002
Tetrachloroethene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002
Toluene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002
Trichloroethene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002
Xylenes (Total) , mg/kg[2]	<0.002	<0.002	<0.002	<0.002

Remark: 1) < = less than

2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada

3) N/A = Not applicable

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TEST REPORT

Laboratory No.:	09652
Date of Issue:	2009-12-11
Date Received:	2009-11-11
Date Tested:	2009-11-11
Date Completed:	2009-12-03

Results:

Sample ID	KTN-77.78-1 (3.0m)	KTN-77.78-1 (6.0m)	KTN-77.78-4 (3.0m)	KTN-77.78-4 (6.0m)
Sample Number	09652-1	09652-2	09652-3	09652-4
Acenaphthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Acenaphthylene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Anthracene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Benzo(b)fluoranthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
bis-(2-Ethylhexyl)phthalate , mg/kg^2	<0.5	<0.5	<0.5	<0.5
Chrysene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Fluoranthene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Fluorene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Hexachlorobenzene , mg/kg^2	<0.2	<0.2	<0.2	<0.2
Indeno(1,2,3-cd)pyrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Napthalene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Phenanthrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
Phenol , mg/kg^2	<0.2	<0.2	<0.2	<0.2
Pyrene , mg/kg^2	<0.1	<0.1	<0.1	<0.1
C6-C8 , mg/kg	<50	<50	<50	<50
C9-C16 , mg/kg	<50	<50	<50	<50
C17-C35, mg/kg	<50	<50	<50	<50

Remark: 1) < = less than

2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada

3) N/A = Not applicable

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TEST REPORT

Laboratory No.:	09652
Date of Issue:	2009-12-11
Date Received:	2009-11-11
Date Tested:	2009-11-11
Date Completed:	2009-12-03

Results:

Sample ID	KTN-77.78-1 (3.0m)	KTN-77.78-1 (6.0m)	KTN-77.78-4 (3.0m)	KTN-77.78-4 (6.0m)
Sample Number	09652-1	09652-2	09652-3	09652-4
2,4'-Dichlorobiphenyl, μg/kg	<2	<2	<2	<2
2,2',5-Trichlorobiphenyl, μg/kg	<2	<2	<2	<2
2,4,4'-Trichlorobiphenyl, μg/kg	<2	<2	<2	<2
2,2', 3,5'-Tetrachlorobiphenyl, μg/kg	<2	<2	<2	<2
2,2', 5,5'-Tetrachlorobiphenyl, μg/kg	<2	<2	<2	<2
2,3', 4,4'-Tetrachlorobiphenyl, μg/kg	<2	<2	<2	<2
3,3', 4,4'-Tetrachlorobiphenyl, μg/kg	<2	<2	<2	<2
2,2', 4,5,5'-Pentachlorobiphenyl, μg/kg	<2	<2	<2	<2
2,3,3', 4,4'-Pentachlorobiphenyl, μg/kg	<2	<2	<2	<2
2,3', 4,4',5-Pentachlorobiphenyl, μg/kg	<2	<2	<2	<2
3,3', 4,4',5-Pentachlorobiphenyl, μg/kg	<2	<2	<2	<2
2,2', 3,3',4,4'-Hexachlorobiphenyl, μg/kg	<2	<2	<2	<2
2,2', 3,4,4',5'-Hexachlorobiphenyl, μg/kg	<2	<2	<2	<2
2,2', 4,4',5,5'-Hexachlorobiphenyl, μg/kg	<2	<2	<2	<2
3,3', 4,4',5,5'-Hexachlorobiphenyl, μg/kg	<2	<2	<2	<2
2,2', 3,3',4,4',5-Heptachlorobiphenyl, μg/kg	<2	<2	<2	<2
2,2', 3,4,4',5,5'-Heptachlorobiphenyl, μg/kg	<2	<2	<2	<2
2,2', 3,4',5,5',6-Heptachlorobiphenyl, μg/kg	<2	<2	<2	<2
Cyanide, free, mg/kg[2]	<0.01	<0.01	<0.01	<0.01

Remark: 1) < = less than

2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada

3) N/A = Not applicable

**********END OF REPORT**********

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TEST REPORT

APPLICANT: **Civil Engineering and Development Department**
23/F, Kwun Tong View,
410 Kwun Tong Road,
Kwoloon, Hong Kong

ATTN: **Ms. Alice Law**

Laboratory No.:	QC09652
Date of Issue:	2009-12-11
Date Received:	2009-11-11
Date Tested:	2009-11-11
Date Completed:	2009-12-03

Page: 1 of 12

QC report:
Method Blank

Parameter	Method Blank	Acceptance
Antimony, µg/L	<0.2	<0.2
Arsenic, µg/L	<0.2	<0.2
Barium, µg/L	<0.2	<0.2
Cadmium, µg/L	<0.1	<0.1
Chromium III, mg/kg	<0.2	<0.2
Chromium VI, mg/kg^2	<0.2	<0.2
Cobalt, µg/L	<0.2	<0.2
Copper, µg/L	<0.2	<0.2
Lead, µg/L	<0.2	<0.2
Manganese, mg/kg^2	<1	<1
Mercury, µg/L	<0.2	<0.2
Molybdenum, µg/L	<0.2	<0.2
Nickel, µg/L	<0.2	<0.2
Tin, µg/L	<0.2	<0.2
Zinc, µg/L	<0.4	<0.4
Acetone, mg/kg^2	<0.1	<0.1
Benzene, mg/kg^2	<0.002	<0.002
Bromodichloromethane, mg/kg^2	<0.002	<0.002
2-Butanone, mg/kg^2	<0.03	<0.03
Chloroform, mg/kg^2	<0.002	<0.002
Ethylbenzene, mg/kg^2	<0.002	<0.002
Methyl tert-Butyl Ether, mg/kg^2	<0.002	<0.002
Methylene Chloride, mg/kg^2	<0.003	<0.003
Styrene, mg/kg^2	<0.002	<0.002

Remark: 1) < = less than
2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada
3) N/A = Not applicable

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PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

Dr. Priscilla Choy
Laboratory Director

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Rms 816, 1516 & 1701, Technology Park,
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Tel: 2898 7388 Fax: 2898 7076
Website: www.wellab.com.hk

TEST REPORT

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Date Completed:	2009-12-03

QC report:
Method Blank

Parameter	Method Blank	Acceptance
Tetrachloroethene, mg/kg[2]	<0.002	<0.002
Toluene, mg/kg[2]	<0.002	<0.002
Trichloroethene, mg/kg[2]	<0.002	<0.002
Xylenes (Total) , mg/kg[2]	<0.002	<0.002
Acenaphthene, mg/kg[2]	<0.1	<0.1
Acenaphthylene, mg/kg[2]	<0.1	<0.1
Anthracene, mg/kg[2]	<0.1	<0.1
Benzo(a)anthracene, mg/kg[2]	<0.1	<0.1
Benzo(a)pyrene, mg/kg[2]	<0.1	<0.1
Benzo(b)fluoranthene, mg/kg[2]	<0.1	<0.1
Benzo(g,h,i)perylene, mg/kg[2]	<0.1	<0.1
Benzo(k)fluoranthene, mg/kg[2]	<0.1	<0.1
bis-(2-Ethylhexyl)phthalate, mg/kg[2]	<0.5	<0.5
Chrysene, mg/kg[2]	<0.1	<0.1
Dibenzo(a,h)anthracene[2], mg/kg	<0.1	<0.1
Fluoranthene, mg/kg[2]	<0.1	<0.1
Fluorene, mg/kg[2]	<0.1	<0.1
Hexachlorobenzene, mg/kg[2]	<0.2	<0.2
Indeno(1,2,3-cd)pyrene, mg/kg[2]	<0.1	<0.1
Napthalene, mg/kg[2]	<0.1	<0.1
Phenanthrene, mg/kg[2]	<0.1	<0.1
Phenol, mg/kg[2]	<0.2	<0.2
Pyrene, mg/kg[2]	<0.1	<0.1
Petroleum Carbon Range (C6-C8), mg/kg	<10	<10
Petroleum Carbon Range (C9-C16), mg/kg	<10	<10
Petroleum Carbon Range (C17-C35), mg/kg	<10	<10

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QC report:
Method Blank

Parameter	Method Blank	Acceptance
2,4'-Dichlorobiphenyl, µg/kg	<0.4	<0.4
2,2',5-Trichlorobiphenyl, µg/kg	<0.4	<0.4
2,4,4'-Trichlorobiphenyl, µg/kg	<0.4	<0.4
2,2', 3,5'-Tetrachlorobiphenyl, µg/kg	<0.4	<0.4
2,2', 5,5'-Tetrachlorobiphenyl, µg/kg	<0.4	<0.4
2,3', 4,4'-Tetrachlorobiphenyl, µg/kg	<0.4	<0.4
3,3', 4,4'-Tetrachlorobiphenyl, µg/kg	<0.4	<0.4
2,2', 4,5,5'-Pentachlorobiphenyl, µg/kg	<0.4	<0.4
2,3,3', 4,4'-Pentachlorobiphenyl, µg/kg	<0.4	<0.4
2,3', 4,4',5-Pentachlorobiphenyl, µg/kg	<0.4	<0.4
3,3', 4,4',5-Pentachlorobiphenyl, µg/kg	<0.4	<0.4
2,2', 3,3',4,4'-Hexachlorobiphenyl, µg/kg	<0.4	<0.4
2,2', 3,4,4',5'-Hexachlorobiphenyl, µg/kg	<0.4	<0.4
2,2', 4,4',5,5'-Hexachlorobiphenyl, µg/kg	<0.4	<0.4
3,3', 4,4',5,5'-Hexachlorobiphenyl, µg/kg	<0.4	<0.4
2,2', 3,3',4,4',5-Heptachlorobiphenyl, µg/kg	<0.4	<0.4
Cyanide, free, mg/kg[2]	<0.01	<0.01

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QC report:
Method QC

Parameter	Method QC, %	Acceptance
Antimony, %	94	80-120%
Arsenic, %	96	80-120%
Barium, %	98	80-120%
Cadmium, %	101	80-120%
Chromium III, %	103	80-120%
Chromium VI, %[2]	93	85-115%
Cobalt, %	96	80-120%
Copper, %	101	80-120%
Lead, %	103	80-120%
Manganese, %[2]	99	75-125%
Mercury, %	96	80-120%
Molybdenum, %	102	80-120%
Nickel, %	103	80-120%
Tin, %	93	80-120%
Zinc, %	93	80-120%
Acetone, %[2]	73	60-140%
Benzene, %[2]	96	70-130%
Bromodichloromethane, %[2]	85	70-130%
2-Butanone, %[2]	89	60-140%
Chloroform, %[2]	84	70-130%
Ethylbenzene, %[2]	99	70-130%
Methyl tert-Butyl Ether, %[2]	100	70-130%
Methylene Chloride, %[2]	94	70-130%
Styrene, %[2]	91	70-130%
Tetrachloroethene, %[2]	94	70-130%
Toluene, %[2]	91	70-130%
Trichloroethene, %[2]	96	70-130%
Xylenes (Total) , %[2]	87	70-130%

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Method QC

Parameter	Method QC, %	Acceptance
Acenaphthene, %[2]	95	30-130%
Acenaphthylene, %[2]	85	30-130%
Anthracene, %[2]	99	30-130%
Benzo(a)anthracene, %[2]	105	30-130%
Benzo(a)pyrene, %[2]	94	30-130%
Benzo(b)fluoranthene, %[2]	101	30-130%
Benzo(g,h,i)perylene, %[2]	109	30-130%
Benzo(k)fluoranthene, %[2]	88	30-130%
bis-(2-Ethylhexyl)phthalate, %[2]	113	30-130%
Chrysene, %[2]	91	30-130%
Dibenzo(a,h)anthracene, %[2]	111	30-130%
Fluoranthene, %[2]	97	30-130%
Fluorene, %[2]	99	30-130%
Hexachlorobenzene, %[2]	118	30-130%
Indeno(1,2,3-cd)pyrene, %[2]	97	30-130%
Napthalene, %[2]	95	30-130%
Phenanthrene, %[2]	85	30-130%
Phenol, %[2]	102	10-130%
Pyrene, %[2]	127	30-130%
Petroleum Carbon Range (C6-C8), %	96	70-130%
Petroleum Carbon Range (C9-C16), %	94	70-130%
Petroleum Carbon Range (C17-C35), %	94	70-130%

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QC report:
Method QC

Parameter	Method QC, %	Acceptance
2,4'-Dichlorobiphenyl, %	94	70-130%
2,2',5-Trichlorobiphenyl, %	96	70-130%
2,4,4'-Trichlorobiphenyl, %	93	70-130%
2,2', 3,5'-Tetrachlorobiphenyl, %	93	70-130%
2,2', 5,5'-Tetrachlorobiphenyl, %	91	70-130%
2,3', 4,4'-Tetrachlorobiphenyl, %	98	70-130%
3,3', 4,4'-Tetrachlorobiphenyl, %	101	70-130%
2,2', 4,5,5'-Pentachlorobiphenyl, %	103	70-130%
2,3,3', 4,4'-Pentachlorobiphenyl, %	106	70-130%
2,3', 4,4',5-Pentachlorobiphenyl, %	98	70-130%
3,3', 4,4',5-Pentachlorobiphenyl, %	96	70-130%
2,2', 3,3',4,4'-Hexachlorobiphenyl, %	94	70-130%
2,2', 3,4,4',5'-Hexachlorobiphenyl, %	94	70-130%
2,2', 4,4',5,5'-Hexachlorobiphenyl, %	96	70-130%
3,3', 4,4',5,5'-Hexachlorobiphenyl, %	103	70-130%
2,2', 3,3',4,4',5-Heptachlorobiphenyl, %	101	70-130%
2,2', 3,4,4',5,5'-Heptachlorobiphenyl, %	96	70-130%
2,2', 3,4',5,5',6-Heptachlorobiphenyl, %	96	70-130%
Cyanide, free, %[2]	96	75-125%

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QC report:
Sample Spike

Parameter	Spike Recovery, %	Acceptance
Antimony, %	89	80-120%
Arsenic, %	96	80-120%
Barium, %	92	80-120%
Cadmium, %	93	80-120%
Chromium III, %	93	80-120%
Chromium VI, %[2]	103	75-125%
Cobalt, %	96	80-120%
Copper, %	93	80-120%
Lead, %	94	80-120%
Manganese, %[2]	93	75-125%
Mercury, %	93	80-120%
Molybdenum, %	96	80-120%
Nickel, %	95	80-120%
Tin, %	96	80-120%
Zinc, %	89	80-120%
Acetone, %[2]	135	24-171%
Benzene, %[2]	115	39-137%
Bromodichloromethane, %[2]	114	45-131%
2-Butanone, %[2]	143	39-160%
Chloroform, %[2]	106	48-128%
Ethylbenzene, %[2]	124	46-150%
Methyl tert-Butyl Ether, %[2]	115	37-150%
Methylene Chloride, %[2]	112	47-124%
Styrene, %[2]	117	27-148%
Tetrachloroethene, %[2]	102	45-154%
Toluene, %[2]	123	30-158%
Trichloroethene, %[2]	97	39-146%
Xylenes (Total) , %[2]	N/A	N/A

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QC report:
Sample Spike

Parameter	Spike Recovery, %	Acceptance
Acenaphthene, %[2]	88	30-130%
Acenaphthylene, %[2]	89	30-130%
Anthracene, %[2]	100	30-130%
Benzo(a)anthracene, %[2]	104	30-130%
Benzo(a)pyrene, %[2]	88	30-130%
Benzo(b)fluoranthene, %[2]	101	30-130%
Benzo(g,h,i)perylene, %[2]	99	30-130%
Benzo(k)fluoranthene, %[2]	94	30-130%
bis-(2-Ethylhexyl)phthalate, %[2]	111	30-130%
Chrysene, %[2]	81	30-130%
Dibenzo(a,h)anthracene, %[2]	104	30-130%
Fluoranthene, %[2]	95	30-130%
Fluorene, %[2]	87	30-130%
Hexachlorobenzene, %[2]	107	30-130%
Indeno(1,2,3-cd)pyrene, %[2]	98	30-130%
Napthalene, %[2]	88	30-130%
Phenanthrene, %[2]	89	30-130%
Phenol, %[2]	87	10-130%
Pyrene, %[2]	115	30-130%
Petroleum Carbon Range (C6-C8), %	101	70-130%
Petroleum Carbon Range (C9-C16), %	96	70-130%
Petroleum Carbon Range (C17-C35), %	96	70-130%

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QC report:
Sample Spike

Parameter	Spike Recovery, %	Acceptance
2,4'-Dichlorobiphenyl, %	96	70-130%
2,2',5-Trichlorobiphenyl, %	94	70-130%
2,4,4'-Trichlorobiphenyl, %	101	70-130%
2,2', 3,5'-Tetrachlorobiphenyl, %	105	70-130%
2,2', 5,5'-Tetrachlorobiphenyl, %	115	70-130%
2,3', 4,4'-Tetrachlorobiphenyl, %	116	70-130%
3,3', 4,4'-Tetrachlorobiphenyl, %	96	70-130%
2,2', 4,5,5'-Pentachlorobiphenyl, %	96	70-130%
2,3,3', 4,4'-Pentachlorobiphenyl, %	93	70-130%
2,3', 4,4',5-Pentachlorobiphenyl, %	89	70-130%
3,3', 4,4',5-Pentachlorobiphenyl, %	101	70-130%
2,2', 3,3',4,4'-Hexachlorobiphenyl, %	102	70-130%
2,2', 3,4,4',5'-Hexachlorobiphenyl, %	106	70-130%
2,2', 4,4',5,5'-Hexachlorobiphenyl, %	106	70-130%
3,3', 4,4',5,5'-Hexachlorobiphenyl, %	105	70-130%
2,2', 3,3',4,4',5-Heptachlorobiphenyl, %	105	70-130%
2,2', 3,4,4',5,5'-Heptachlorobiphenyl, %	105	70-130%
2,2', 3,4',5,5',6-Heptachlorobiphenyl, %	109	70-130%
Cyanide, free, %[2]	N/A	75-125%

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QC report:
Sample Duplicate

Parameter	RPD, %	Acceptance
Antimony, %	N/A	≤20%
Arsenic, %	7	≤20%
Barium, %	6	≤20%
Cadmium, %	N/A	≤20%
Chromium III, %	8	≤20%
Chromium VI, %[2]	N/A	≤35%
Cobalt, %	3	≤20%
Copper, %	6	≤20%
Lead, %	6	≤20%
Manganese, %[2]	2	≤35%
Mercury, %	3	≤20%
Molybdenum, %	6	≤20%
Nickel, %	6	≤20%
Tin, %	4	≤20%
Zinc, %	5	≤20%
Acetone, %[2]	N/A	≤50%
Benzene, %[2]	N/A	≤50%
Bromodichloromethane, %[2]	N/A	≤50%
2-Butanone, %[2]	N/A	≤50%
Chloroform, %[2]	N/A	≤50%
Ethylbenzene, %[2]	N/A	≤50%
Methyl tert-Butyl Ether, %[2]	N/A	≤50%
Methylene Chloride, %[2]	N/A	≤50%
Styrene, %[2]	N/A	≤50%
Tetrachloroethene, %[2]	N/A	≤50%
Toluene, %[2]	N/A	≤50%
Trichloroethene, %[2]	N/A	≤50%
Xylenes (Total) , %[2]	N/A	≤50%

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QC report:
Sample Duplicate

Parameter	RPD, %	Acceptance
Acenaphthene, %[2]	N/A	≤50%
Acenaphthylene, %[2]	N/A	≤50%
Anthracene, %[2]	N/A	≤50%
Benzo(a)anthracene, %[2]	N/A	≤50%
Benzo(a)pyrene, %[2]	N/A	≤50%
Benzo(b)fluoranthene, %[2]	N/A	≤50%
Benzo(g,h,i)perylene, %[2]	N/A	≤50%
Benzo(k)fluoranthene, %[2]	N/A	≤50%
bis-(2-Ethylhexyl)phthalate, %[2]	N/A	≤50%
Chrysene, %[2]	N/A	≤50%
Dibenzo(a,h)anthracene, %[2]	N/A	≤50%
Fluoranthene, %[2]	N/A	≤50%
Fluorene, %[2]	N/A	≤50%
Hexachlorobenzene, %[2]	N/A	≤50%
Indeno(1,2,3-cd)pyrene, %[2]	N/A	≤50%
Napthalene, %[2]	N/A	≤50%
Phenanthrene, %[2]	N/A	≤50%
Phenol, %[2]	N/A	≤50%
Pyrene, %[2]	N/A	≤50%
Petroleum Carbon Range (C6-C8), %	N/A	≤20%
Petroleum Carbon Range (C9-C16), %	N/A	≤20%
Petroleum Carbon Range (C17-C35), %	N/A	≤20%

Remark: 1) < = less than

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2,4'-Dichlorobiphenyl, %	N/A	≤20%
2,2',5-Trichlorobiphenyl, %	N/A	≤20%
2,4,4'-Trichlorobiphenyl, %	N/A	≤20%
2,2', 3,5'-Tetrachlorobiphenyl, %	N/A	≤20%
2,2', 5,5'-Tetrachlorobiphenyl, %	N/A	≤20%
2,3', 4,4'-Tetrachlorobiphenyl, %	N/A	≤20%
3,3', 4,4'-Tetrachlorobiphenyl, %	N/A	≤20%
2,2', 4,5,5'-Pentachlorobiphenyl, %	N/A	≤20%
2,3,3', 4,4'-Pentachlorobiphenyl, %	N/A	≤20%
2,3', 4,4',5-Pentachlorobiphenyl, %	N/A	≤20%
3,3', 4,4',5-Pentachlorobiphenyl, %	N/A	≤20%
2,2', 3,3',4,4'-Hexachlorobiphenyl, %	N/A	≤20%
2,2', 3,4,4',5'-Hexachlorobiphenyl, %	N/A	≤20%
2,2', 4,4',5,5'-Hexachlorobiphenyl, %	N/A	≤20%
3,3', 4,4',5,5'-Hexachlorobiphenyl, %	N/A	≤20%
2,2', 3,3',4,4',5-Heptachlorobiphenyl, %	N/A	≤20%
2,2', 3,4,4',5,5'-Heptachlorobiphenyl, %	N/A	≤20%
2,2', 3,4',5,5',6-Heptachlorobiphenyl, %	N/A	≤20%
Cyanide, free, %[2]	N/A	≤35%

Remark: 1) < = less than
2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada
3) N/A = Not applicable

**********END OF REPORT**********

WELLAB 匯力 Testing & Research

WELLAB LIMITED
Rms 816, 1516 & 1701, Technology Park,
18 On Lai Street, Shatin, N.T, Hong Kong.
Tel: 2898 7388 Fax: 2898 7076
Website: www.wellab.com.hk

TEST REPORT

APPLICANT: **Civil Engineering and Development Department**
23/F, Kwun Tong View,
410 Kwun Tong Road,
Kwoloon, Hong Kong

ATTN: **Ms. Alice Law**

Laboratory No.:	09652A
Date of Issue:	2009-12-11
Date Received:	2009-11-11
Date Tested:	2009-11-11
Date Completed:	2009-12-03
Page:	1 of 4

Contract No. : GP/CBT/2009/03
Provision of Chemical Testing Service for Various Government Projects
Service Order No. : GP/CBT/2009/03.03A
Sample Description : 3 samples as received by customer said to be Groundwater
Sampling Date : 2009-11-11
Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
1	Mercury	In-house method SOP053 (ICP-ES)& In-house method SOP093 & SOP094 (ICPMS)	1 µg/L
2	Acetone	EPA 8260 modified	10 µg/L
3	Benzene		0.1 µg/L
4	Bromodichloromethane		0.1 µg/L
5	2-Butanone		5 µg/L
6	Chloroform		0.1 µg/L
7	Ethylbenzene		0.1 µg/L
8	Methyl tert-Butyl Ether		0.2 µg/L
9	Methylene Chloride		0.5 µg/L
10	Styrene		0.2 µg/L
11	Tetrachloroethene		0.1 µg/L
12	Toluene		0.2 µg/L
13	Trichloroethene		0.1 µg/L
14	Xylenes (Total)		0.1 µg/L

****

PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

Dr. Priscilla Choy
Laboratory Director

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TEST REPORT

Laboratory No.:	09652A
Date of Issue:	2009-12-11
Date Received:	2009-11-11
Date Tested:	2009-11-11
Date Completed:	2009-12-03

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
15	Acenaphthene	In-house Method SOP 091 and 113 (GC/MS)	0.1 µg/L
16	Acenaphthylene		0.1 µg/L
17	Anthracene		0.1 µg/L
18	Benzo(b)fluoranthene		0.1 µg/L
19	Chrysene		0.1 µg/L
20	Fluoranthene		0.1 µg/L
21	Fluorene		0.1 µg/L
22	Hexachlorobenzene		0.01 µg/L
23	Napthalene		0.1 µg/L
24	Phenanthrene		0.1 µg/L
25	Pyrene		0.1 µg/L
26	Petroleum Carbon Range (C6-C8)	USEPA 8260	2 mg/L
27	Petroleum Carbon Range (C9-C16)		2 mg/L
28	Petroleum Carbon Range (C17-C35)		2 mg/L
29	2,4'-Dichlorobiphenyl	In-house Method SOP 089 (GC/MS)	0.02 µg/L
30	2,2',5-Trichlorobiphenyl		0.02 µg/L
32	2,4,4'-Trichlorobiphenyl		0.02 µg/L
33	2,2', 3,5'-Tetrachlorobiphenyl		0.02 µg/L
34	2,2', 5,5'-Tetrachlorobiphenyl		0.02 µg/L
35	2,3', 4,4'-Tetrachlorobiphenyl		0.02 µg/L
36	3,3', 4,4'-Tetrachlorobiphenyl		0.02 µg/L
37	2,2', 4,5,5'-Pentachlorobiphenyl		0.02 µg/L
38	2,3,3', 4,4'-Pentachlorobiphenyl		0.02 µg/L
39	2,3', 4,4',5-Pentachlorobiphenyl		0.02 µg/L
40	3,3', 4,4',5-Pentachlorobiphenyl		0.02 µg/L
41	2,2', 3,3',4,4'-Hexachlorobiphenyl		0.02 µg/L
42	2,2', 3,4,4',5'-Hexachlorobiphenyl		0.02 µg/L
43	2,2', 4,4',5,5'-Hexachlorobiphenyl		0.02 µg/L
44	3,3', 4,4',5,5'-Hexachlorobiphenyl		0.02 µg/L
45	2,2', 3,3',4,4',5-Heptachlorobiphenyl		0.02 µg/L
46	2,2', 3,4,4',5,5'-Heptachlorobiphenyl		0.02 µg/L
47	2,2', 3,4',5,5',6-Heptachlorobiphenyl		0.02 µg/L

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TEST REPORT

Laboratory No.:	09652A
Date of Issue:	2009-12-11
Date Received:	2009-11-11
Date Tested:	2009-11-11
Date Completed:	2009-12-03

Results:

Sample ID	Trip Blank	Equipment Blank	Field Blank
Sample Number	09652-5	09652-6	09652-7
Mercury, µg/L	N/A	<1	<1
Acetone, µg/L [2]	<10	<10	<10
Benzene, µg/L [2]	<0.1	<0.1	<0.1
Bromodichloromethane, µg/L [2]	16	12	9.8
2-Butanone, µg/L [2]	<5	<5	<5
Chloroform, µg/L [2]	31	22	18
Ethylbenzene, µg/L [2]	<0.1	<0.1	<0.1
Methyl tert-Butyl Ether, µg/L [2]	<0.2	<0.2	<0.2
Methylene Chloride, µg/L [2]	<0.5	<0.5	0.6
Styrene, µg/L [2]	<0.2	<0.2	<0.2
Tetrachloroethene, µg/L [2]	<0.1	<0.1	<0.1
Toluene, µg/L [2]	<0.2	<0.2	<0.2
Trichloroethene, µg/L [2]	<0.1	<0.1	<0.1
Xylenes (Total) , µg/L [2]	<0.1	<0.1	<0.1
Acenaphthene, µg/L	N/A	<0.1	<0.1
Acenaphthylene, µg/L	N/A	<0.1	<0.1
Anthracene, µg/L	N/A	<0.1	<0.1
Benzo(b)fluoranthene, µg/L	N/A	<0.1	<0.1
Chrysene, µg/L	N/A	<0.1	<0.1
Fluoranthene, µg/L	N/A	<0.1	<0.1
Fluorene, µg/L	N/A	<0.1	<0.1
Hexachlorobenzene, µg/L	N/A	<0.01	<0.01
Napthalene, µg/L	N/A	<0.1	<0.1
Phenanthrene, µg/L	N/A	<0.1	<0.1
Pyrene, µg/L	N/A	<0.1	<0.1
C6-C8, mg/L	N/A	<2	<2
C9-C16, mg/L	N/A	<2	<2
C17-C35, mg/L	N/A	<2	<2

Remark: 1) < = less than

2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada

3) N/A = Not applicable

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TEST REPORT

Laboratory No.:	09652A
Date of Issue:	2009-12-11
Date Received:	2009-11-11
Date Tested:	2009-11-11
Date Completed:	2009-12-03

Results:

Sample ID	Trip Blank	Equipment Blank	Field Blank
Sample Number	09652-5	09652-6	09652-7
2,4'-Dichlorobiphenyl, µg/L	N/A	<0.02	<0.02
2,2',5-Trichlorobiphenyl, µg/L	N/A	<0.02	<0.02
2,4,4'-Trichlorobiphenyl, µg/L	N/A	<0.02	<0.02
2,2', 3,5'-Tetrachlorobiphenyl, µg/L	N/A	<0.02	<0.02
2,2', 5,5'-Tetrachlorobiphenyl, µg/L	N/A	<0.02	<0.02
2,3', 4,4'-Tetrachlorobiphenyl, µg/L	N/A	<0.02	<0.02
3,3', 4,4'-Tetrachlorobiphenyl, µg/L	N/A	<0.02	<0.02
2,2', 4,5,5'-Pentachlorobiphenyl, µg/L	N/A	<0.02	<0.02
2,3,3', 4,4'-Pentachlorobiphenyl, µg/L	N/A	<0.02	<0.02
2,3', 4,4',5-Pentachlorobiphenyl, µg/L	N/A	<0.02	<0.02
3,3', 4,4',5-Pentachlorobiphenyl, µg/L	N/A	<0.02	<0.02
2,2', 3,3',4,4'-Hexachlorobiphenyl, µg/L	N/A	<0.02	<0.02
2,2', 3,4,4',5'-Hexachlorobiphenyl, µg/L	N/A	<0.02	<0.02
2,2', 4,4',5,5'-Hexachlorobiphenyl, µg/L	N/A	<0.02	<0.02
3,3', 4,4',5,5'-Hexachlorobiphenyl, µg/L	N/A	<0.02	<0.02
2,2', 3,3',4,4',5-Heptachlorobiphenyl, µg/L	N/A	<0.02	<0.02
2,2', 3,4,4',5,5'-Heptachlorobiphenyl, µg/L	N/A	<0.02	<0.02
2,2', 3,4',5,5',6-Heptachlorobiphenyl, µg/L	N/A	<0.02	<0.02

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**********END OF REPORT**********

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TEST REPORT

APPLICANT: **Civil Engineering and Development Department**
23/F, Kwun Tong View,
410 Kwun Tong Road,
Kwoloon, Hong Kong

ATTN: **Ms. Alice Law**

Laboratory No.:	QC09652A
Date of Issue:	2009-12-11
Date Received:	2009-11-11
Date Tested:	2009-11-11
Date Completed:	2009-12-03

Page: 1 of 8

QC report:
Method Blank

Parameter	Method Blank	Acceptance
Mercury, µg/L	<0.2	<0.2
Acetone, µg/L [2]	<10	<10
Benzene, µg/L [2]	<0.1	<0.1
Bromodichloromethane, µg/L [2]	<0.1	<0.1
2-Butanone, µg/L [2]	<5	<5
Chloroform, µg/L [2]	<0.1	<0.1
Ethylbenzene, µg/L	<0.1	<0.1
Methyl tert-Butyl Ether, µg/L [2]	<0.2	<0.2
Methylene Chloride, µg/L [2]	<0.5	<0.5
Styrene, µg/L [2]	<0.2	<0.2
Tetrachloroethene, µg/L [2]	<0.1	<0.1
Toluene, µg/L [2]	<0.2	<0.2
Trichloroethene, µg/L [2]	<0.1	<0.1
Xylenes (Total) , µg/L [2]	N/A	N/A
Acenaphthene, µg/L	<0.2	<0.2
Acenaphthylene, µg/L	<0.2	<0.2
Anthracene, µg/L	<0.2	<0.2
Benzo(b)fluoranthene, µg/L	<0.2	<0.2
Chrysene, µg/L	<0.2	<0.2
Fluoranthene, µg/L	<0.2	<0.2
Fluorene, µg/L	<0.2	<0.2
Hexachlorobenzene, µg/L	<0.2	<0.2
Napthalene, µg/L	<0.2	<0.2
Phenanthrene, µg/L	<0.2	<0.2
Pyrene, µg/L	<0.2	<0.2

Remark: 1) < = less than
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3) N/A = Not applicable

****

PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

Dr. Priscilla Choy
Laboratory Director

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TEST REPORT

Laboratory No.:	QC09652A
Date of Issue:	2009-12-11
Date Received:	2009-11-11
Date Tested:	2009-11-11
Date Completed:	2009-12-03

QC report:
Method Blank

Parameter	Method Blank	Acceptance
Petroleum Carbon Range (C6-C8), mg/L	<0.4	<0.4
Petroleum Carbon Range (C9-C16), mg/L	<0.4	<0.4
Petroleum Carbon Range (C17-C35), mg/L	<0.4	<0.4
2,4'-Dichlorobiphenyl, µg/L	<0.004	<0.004
2,2',5-Trichlorobiphenyl, µg/L	<0.004	<0.004
2,4,4'-Trichlorobiphenyl, µg/L	<0.004	<0.004
2,2', 3,5'-Tetrachlorobiphenyl, µg/L	<0.004	<0.004
2,2', 5,5'-Tetrachlorobiphenyl, µg/L	<0.004	<0.004
2,3', 4,4'-Tetrachlorobiphenyl, µg/L	<0.004	<0.004
3,3', 4,4'-Tetrachlorobiphenyl, µg/L	<0.004	<0.004
2,2', 4,5,5'-Pentachlorobiphenyl, µg/L	<0.004	<0.004
2,3,3', 4,4'-Pentachlorobiphenyl, µg/L	<0.004	<0.004
2,3', 4,4',5-Pentachlorobiphenyl, µg/L	<0.004	<0.004
3,3', 4,4',5-Pentachlorobiphenyl, µg/L	<0.004	<0.004
2,2', 3,3',4,4'-Hexachlorobiphenyl, µg/L	<0.004	<0.004
2,2', 3,4,4',5'-Hexachlorobiphenyl, µg/L	<0.004	<0.004
2,2', 4,4',5,5'-Hexachlorobiphenyl, µg/L	<0.004	<0.004
3,3', 4,4',5,5'-Hexachlorobiphenyl, µg/L	<0.004	<0.004
2,2', 3,3',4,4',5-Heptachlorobiphenyl, µg/L	<0.004	<0.004
2,2', 3,4,4',5,5'-Heptachlorobiphenyl, µg/L	<0.004	<0.004
2,2', 3,4',5,5',6-Heptachlorobiphenyl, µg/L	<0.004	<0.004

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TEST REPORT

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Date of Issue:	2009-12-11
Date Received:	2009-11-11
Date Tested:	2009-11-11
Date Completed:	2009-12-03

QC report:
Method QC

Parameter	Method QC, %	Acceptance
Mercury, %	91	80-120%
Acetone, %[2]	86	60-140%
Benzene, %[2]	88	70-130%
Bromodichloromethane, %[2]	93	70-130%
2-Butanone, %[2]	86	60-140%
Chloroform, %[2]	88	70-130%
Ethylbenzene, %[2]	105	70-130%
Methyl tert-Butyl Ether, %[2]	110	70-130%
Methylene Chloride, %[2]	106	70-130%
Styrene, %[2]	95	70-130%
Tetrachloroethene, %[2]	95	70-130%
Toluene, %[2]	106	70-130%
Trichloroethene, %[2]	85	70-130%
Xylenes (Total) , %[2]	N/A	N/A
Acenaphthene, %	96	70-130%
Acenaphthylene, %	94	70-130%
Anthracene, %	92	70-130%
Benzo(b)fluoranthene, %	91	70-130%
Chrysene, %	94	70-130%
Fluoranthene, %	93	70-130%
Fluorene, %	95	70-130%
Hexachlorobenzene, %	95	70-130%
Napthalene, %	97	70-130%
Phenanthrene, %	95	70-130%
Pyrene, %	96	70-130%
Petroleum Carbon Range (C6-C8), %	89	70-130%
Petroleum Carbon Range (C9-C16), %	101	70-130%
Petroleum Carbon Range (C17-C35), %	101	70-130%

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TEST REPORT

Laboratory No.:	QC09652A
Date of Issue:	2009-12-11
Date Received:	2009-11-11
Date Tested:	2009-11-11
Date Completed:	2009-12-03

QC report:
Method QC

Parameter	Method QC, %	Acceptance
2,4'-Dichlorobiphenyl, %	91	70-130%
2,2',5-Trichlorobiphenyl, %	96	70-130%
2,4,4'-Trichlorobiphenyl, %	106	70-130%
2,2', 3,5'-Tetrachlorobiphenyl, %	106	70-130%
2,2', 5,5'-Tetrachlorobiphenyl, %	103	70-130%
2,3', 4,4'-Tetrachlorobiphenyl, %	94	70-130%
3,3', 4,4'-Tetrachlorobiphenyl, %	95	70-130%
2,2', 4,5,5'-Pentachlorobiphenyl, %	96	70-130%
2,3,3', 4,4'-Pentachlorobiphenyl, %	98	70-130%
2,3', 4,4',5-Pentachlorobiphenyl, %	97	70-130%
3,3', 4,4',5-Pentachlorobiphenyl, %	97	70-130%
2,2', 3,3',4,4'-Hexachlorobiphenyl, %	102	70-130%
2,2', 3,4,4',5'-Hexachlorobiphenyl, %	106	70-130%
2,2', 4,4',5,5'-Hexachlorobiphenyl, %	102	70-130%
3,3', 4,4',5,5'-Hexachlorobiphenyl, %	105	70-130%
2,2', 3,3',4,4',5-Heptachlorobiphenyl, %	106	70-130%
2,2', 3,4,4',5,5'-Heptachlorobiphenyl, %	98	70-130%
2,2', 3,4',5,5',6-Heptachlorobiphenyl, %	98	70-130%

Remark: 1) < = less than
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3) N/A = Not applicable

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TEST REPORT

Laboratory No.:	QC09652A
Date of Issue:	2009-12-11
Date Received:	2009-11-11
Date Tested:	2009-11-11
Date Completed:	2009-12-03

QC report:
Sample Spike

Parameter	Spike Recovery, %	Acceptance
Mercury, %	91	80-120%
Acetone, %[2]	86	60-140%
Benzene, %[2]	92	70-130%
Bromodichloromethane, %[2]	96	70-130%
2-Butanone, %[2]	93	60-140%
Chloroform, %[2]	75	70-130%
Ethylbenzene, %[2]	85	70-130%
Methyl tert-Butyl Ether, %[2]	83	70-130%
Methylene Chloride, %[2]	96	70-130%
Styrene, %[2]	87	70-130%
Tetrachloroethene, %[2]	79	70-130%
Toluene, %[2]	86	70-130%
Trichloroethene, %[2]	88	70-130%
Xylenes (Total) , %[2]	N/A	N/A
Acenaphthene, %	98	70-130%
Acenaphthylene, %	86	70-130%
Anthracene, %	99	70-130%
Benzo(b)fluoranthene, %	86	70-130%
Chrysene, %	101	70-130%
Fluoranthene, %	106	70-130%
Fluorene, %	105	70-130%
Hexachlorobenzene, %	106	70-130%
Napthalene, %	102	70-130%
Phenanthrene, %	89	70-130%
Pyrene, %	96	70-130%
Petroleum Carbon Range (C6-C8), %	102	70-130%
Petroleum Carbon Range (C9-C16), %	106	70-130%
Petroleum Carbon Range (C17-C35), %	110	70-130%

Remark: 1) < = less than

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3) N/A = Not applicable

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TEST REPORT

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Date Received:	2009-11-11
Date Tested:	2009-11-11
Date Completed:	2009-12-03

QC report:
Sample Spike

Parameter	Spike Recovery, %	Acceptance
2,4'-Dichlorobiphenyl, %	93	70-130%
2,2',5-Trichlorobiphenyl, %	101	70-130%
2,4,4'-Trichlorobiphenyl, %	96	70-130%
2,2', 3,5'-Tetrachlorobiphenyl, %	93	70-130%
2,2', 5,5'-Tetrachlorobiphenyl, %	94	70-130%
2,3', 4,4'-Tetrachlorobiphenyl, %	102	70-130%
3,3', 4,4'-Tetrachlorobiphenyl, %	92	70-130%
2,2', 4,5,5'-Pentachlorobiphenyl, %	86	70-130%
2,3,3', 4,4'-Pentachlorobiphenyl, %	93	70-130%
2,3', 4,4',5-Pentachlorobiphenyl, %	94	70-130%
3,3', 4,4',5-Pentachlorobiphenyl, %	106	70-130%
2,2', 3,3',4,4'-Hexachlorobiphenyl, %	105	70-130%
2,2', 3,4,4',5'-Hexachlorobiphenyl, %	96	70-130%
2,2', 4,4',5,5'-Hexachlorobiphenyl, %	105	70-130%
3,3', 4,4',5,5'-Hexachlorobiphenyl, %	110	70-130%
2,2', 3,3',4,4',5-Heptachlorobiphenyl, %	96	70-130%
2,2', 3,4,4',5,5'-Heptachlorobiphenyl, %	93	70-130%
2,2', 3,4',5,5',6-Heptachlorobiphenyl, %	93	70-130%

Remark: 1) < = less than

2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada

3) N/A = Not applicable

****

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TEST REPORT

Laboratory No.:	QC09652A
Date of Issue:	2009-12-11
Date Received:	2009-11-11
Date Tested:	2009-11-11
Date Completed:	2009-12-03

QC report:
Sample Duplicate

Parameter	RPD, %	Acceptance
Mercury, %	N/A	≤20%
Acetone, %[2]	N/A	≤50%
Benzene, %[2]	N/A	≤50%
Bromodichloromethane, %[2]	6	≤50%
2-Butanone, %[2]	N/A	≤50%
Chloroform, %[2]	11	≤50%
Ethylbenzene, %[2]	N/A	≤50%
Methyl tert-Butyl Ether, %[2]	N/A	≤50%
Methylene Chloride, %[2]	5	≤50%
Styrene, %[2]	N/A	≤50%
Tetrachloroethene, %[2]	N/A	≤50%
Toluene, %[2]	N/A	≤50%
Trichloroethene, %[2]	N/A	≤50%
Xylenes (Total) , %[2]	N/A	≤50%
Acenaphthene, %	N/A	≤50%
Acenaphthylene, %	N/A	≤50%
Anthracene, %	N/A	≤50%
Benzo(b)fluoranthene, %	N/A	≤50%
Chrysene, %	N/A	≤50%
Fluoranthene, %	N/A	≤50%
Fluorene, %	N/A	≤50%
Hexachlorobenzene, %	N/A	≤50%
Napthalene, %	N/A	≤50%
Phenanthrene, %	N/A	≤50%
Pyrene, %	N/A	≤50%
Petroleum Carbon Range (C6-C8), %	N/A	≤20%
Petroleum Carbon Range (C9-C16), %	N/A	≤20%
Petroleum Carbon Range (C17-C35), %	N/A	≤20%

Remark: 1) < = less than
2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada
3) N/A = Not applicable

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TEST REPORT

Laboratory No.:	QC09652A
Date of Issue:	2009-12-11
Date Received:	2009-11-11
Date Tested:	2009-11-11
Date Completed:	2009-12-03

QC report:
Sample Duplicate

Parameter	RPD, %	Acceptance
2,4'-Dichlorobiphenyl, %	N/A	≤ 30%
2,2',5-Trichlorobiphenyl, %	N/A	≤ 30%
2,4,4'-Trichlorobiphenyl, %	N/A	≤ 30%
2,2', 3,5'-Tetrachlorobiphenyl, %	N/A	≤ 30%
2,2', 5,5'-Tetrachlorobiphenyl, %	N/A	≤ 30%
2,3', 4,4'-Tetrachlorobiphenyl, %	N/A	≤ 30%
3,3', 4,4'-Tetrachlorobiphenyl, %	N/A	≤ 30%
2,2', 4,5,5'-Pentachlorobiphenyl, %	N/A	≤ 30%
2,3,3', 4,4'-Pentachlorobiphenyl, %	N/A	≤ 30%
2,3', 4,4',5-Pentachlorobiphenyl, %	N/A	≤ 30%
3,3', 4,4',5-Pentachlorobiphenyl, %	N/A	≤ 30%
2,2', 3,3',4,4'-Hexachlorobiphenyl, %	N/A	≤ 30%
2,2', 3,4,4',5'-Hexachlorobiphenyl, %	N/A	≤ 30%
2,2', 4,4',5,5'-Hexachlorobiphenyl, %	N/A	≤ 30%
3,3', 4,4',5,5'-Hexachlorobiphenyl, %	N/A	≤ 30%
2,2', 3,3',4,4',5-Heptachlorobiphenyl, %	N/A	≤ 30%
2,2', 3,4,4',5,5'-Heptachlorobiphenyl, %	N/A	≤ 30%
2,2', 3,4',5,5',6-Heptachlorobiphenyl, %	N/A	≤ 30%

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**********END OF REPORT**********

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TEST REPORT

APPLICANT: **Civil Engineering and Development Department**
23/F, Kwun Tong View,
410 Kwun Tong Road,
Kwoloon, Hong Kong

ATTN: **Ms. Alice Law**

Laboratory No.:	09652B
Date of Issue:	2010-02-17
Date Received:	2009-11-11
Date Tested:	2010-01-18
Date Completed:	2010-02-08
Page:	1 of 2

Contract No. : GP/CBT/2009/03
Provision of Chemical Testing Service for Various Government Projects
Service Order No. : GP/CBT/2009/03.03A
Sample Description : 1 sample as received by customer said to be Soil for Toxicity Characteristic Leaching Procedure (TCLP) testing
Sampling Date : 2009-11-11

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
1	Cadmium	In-house method SOP053 (ICP-ES)& In-house method SOP093 & SOP094 (ICPMS)	0.5 µg/L
2	Chromium		1.0 µg/L
3	Copper		1.0 µg/L
4	Nickel		1.0 µg/L
5	Lead		1.0 µg/L
6	Zinc		2.0 µg/L
7	Mercury		1.0 µg/L
8	Tin		1.0 µg/L
9	Silver		1.0 µg/L
10	Antimony		1.0 µg/L
11	Arsenic		1.0 µg/L
12	Beryllium		1.0 µg/L
13	Thallium		1.0 µg/L
14	Vanadium		1.0 µg/L
15	Selenium		1.0 µg/L
16	Barium		1.0 µg/L

****

PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

Dr. Priscilla Choy
Laboratory Director

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TEST REPORT

Laboratory No.:	09652B
Date of Issue:	2010-02-17
Date Received:	2009-11-11
Date Tested:	2010-01-18
Date Completed:	2010-02-08

Results:

Sample ID	KTN-77,78-1 (3.0m)
Sample Number	09652-1
Cadmium, μg/L	<0.5
Chromium, μg/L	<1
Copper, μg/L	1
Nickel, μg/L	<1
Lead, μg/L	<1
Zinc, μg/L	22
Mercury, μg/L	<1
Tin, μg/L	<1
Silver, μg/L	<1
Antimony, μg/L	<1
Arsenic, μg/L	<1
Beryllium, μg/L	<1
Thallium, μg/L	<1
Vanadium, μg/L	<1
Selenium, μg/L	<1
Barium, μg/L	<1

Remark: 1) < = less than

**********END OF REPORT**********

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TEST REPORT

APPLICANT: **Civil Engineering and Development Department**
23/F, Kwun Tong View,
410 Kwun Tong Road,
Kwoloon, Hong Kong

ATTN: **Ms. Alice Law**

Laboratory No.:	QC09652B
Date of Issue:	2010-02-17
Date Received:	2009-11-11
Date Tested:	2010-01-18
Date Completed:	2010-02-08
Page:	1 of 4

QC report:
Method Blank

Parameter	Method Blank	Acceptance
Cadmium, µg/L	<0.1	<0.1
Chromium, µg/L	<0.2	<0.2
Copper, µg/L	<0.2	<0.2
Nickel, µg/L	<0.2	<0.2
Lead, µg/L	<0.2	<0.2
Zinc, µg/L	<0.4	<0.4
Mercury, µg/L	<0.2	<0.2
Tin, µg/L	<0.2	<0.2
Silver, µg/L	<0.2	<0.2
Antimony, µg/L	<0.2	<0.2
Arsenic, µg/L	<0.2	<0.2
Beryllium, µg/L	<0.2	<0.2
Thallium, µg/L	<0.2	<0.2
Vanadium, µg/L	<0.2	<0.2
Selenium, µg/L	<0.2	<0.2
Barium, µg/L	<0.2	<0.2

Remark: 1) < = less than
2) N/A = Not applicable

****

PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

Dr. Priscilla Choy
Laboratory Director

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TEST REPORT

Laboratory No.:	QC09652B
Date of Issue:	2010-02-17
Date Received:	2009-11-11
Date Tested:	2010-01-18
Date Completed:	2010-02-08

QC report:
Method QC

Parameter	Method QC, %	Acceptance
Cadmium, %	93	80-120%
Chromium, %	93	80-120%
Copper, %	100	80-120%
Nickel, %	95	80-120%
Lead, %	96	80-120%
Zinc, %	91	80-120%
Mercury, %	98	80-120%
Tin, %	91	80-120%
Silver, %	98	80-120%
Antimony, %	99	80-120%
Arsenic, %	93	80-120%
Beryllium, %	93	80-120%
Thallium, %	99	80-120%
Vanadium, %	89	80-120%
Selenium, %	100	80-120%
Barium, %	96	80-120%

Remark: 1) < = less than

2) N/A = Not applicable

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TEST REPORT

Laboratory No.:	QC09652B
Date of Issue:	2010-02-17
Date Received:	2009-11-11
Date Tested:	2010-01-18
Date Completed:	2010-02-08

QC report:
Sample Spike

Parameter	Spike Recovery, %	Acceptance
Cadmium, %	103	80-120%
Chromium, %	100	80-120%
Copper, %	87	80-120%
Nickel, %	89	80-120%
Lead, %	102	80-120%
Zinc, %	93	80-120%
Mercury, %	96	80-120%
Tin, %	87	80-120%
Silver, %	97	80-120%
Antimony, %	85	80-120%
Arsenic, %	103	80-120%
Beryllium, %	98	80-120%
Thallium, %	93	80-120%
Vanadium, %	103	80-120%
Selenium, %	86	80-120%
Barium, %	91	80-120%

Remark: 1) < = less than
2) N/A = Not applicable

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TEST REPORT

Laboratory No.:	QC09652B
Date of Issue:	2010-02-17
Date Received:	2009-11-11
Date Tested:	2010-01-18
Date Completed:	2010-02-08

QC report:
Sample Duplicate

Parameter	RPD, %	Acceptance
Cadmium, %	N/A	RPD ≤ 20%
Chromium, %	N/A	RPD ≤ 20%
Copper, %	11	RPD ≤ 20%
Nickel, %	N/A	RPD ≤ 20%
Lead, %	N/A	RPD ≤ 20%
Zinc, %	4	RPD ≤ 20%
Mercury, %	N/A	RPD ≤ 20%
Tin, %	N/A	RPD ≤ 20%
Silver, %	N/A	RPD ≤ 20%
Antimony, %	N/A	RPD ≤ 20%
Arsenic, %	N/A	RPD ≤ 20%
Beryllium, %	N/A	RPD ≤ 20%
Thallium, %	N/A	RPD ≤ 20%
Vanadium, %	N/A	RPD ≤ 20%
Selenium, %	N/A	RPD ≤ 20%
Barium, %	N/A	RPD ≤ 20%

Remark: 1) < = less than

2) N/A = Not applicable

**********END OF REPORT**********

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TEST REPORT

APPLICANT: **Civil Engineering and Development Department**
23/F, Kwun Tong View,
410 Kwun Tong Road,
Kwoloon, Hong Kong

ATTN: **Ms. Alice Law**

Laboratory No.:	09656
Date of Issue:	2009-12-11
Date Received:	2009-11-12
Date Tested:	2009-11-12
Date Completed:	2009-12-03
Page:	1 of 4

Contract No. : GP/CBT/2009/03
Provision of Chemical Testing Service for Various Government Projects
Service Order No. : GP/CBT/2009/03.03A
Sample Description : 3 samples as received by customer said to be Soil
Sampling Date : 2009-11-12
Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
1	Antimony	In-house method SOP053 (ICP-ES)& In-house method SOP093 & SOP094 (ICPMS)	0.2 mg/kg
2	Arsenic		0.1 mg/kg
3	Barium		0.2 mg/kg
4	Cadmium		0.1 mg/kg
5	Chromium III		0.2 mg/kg
6	Chromium VI	EPA 3060A	0.2 mg/kg
7	Cobalt	In-house method SOP053 (ICP-ES)& In-house method SOP093 & SOP094 (ICPMS)	0.2 mg/kg
8	Copper		0.2 mg/kg
9	Lead		0.2 mg/kg
10	Manganese	EPA 6020	1 mg/kg
11	Mercury	In-house method SOP053 (ICP-ES)& In-house method SOP093 & SOP094 (ICPMS)	0.05 mg/kg
12	Molybdenum		0.2 mg/kg
13	Nickel		0.2 mg/kg
14	Tin		0.2 mg/kg
15	Zinc		0.2 mg/kg

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PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

Dr. Priscilla Choy
Laboratory Director

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TEST REPORT

Laboratory No.:	09656
Date of Issue:	2009-12-11
Date Received:	2009-11-12
Date Tested:	2009-11-12
Date Completed:	2009-12-03

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
16	Acetone	EPA 8260 modified	0.1 mg/kg
17	Benzene		0.002 mg/kg
18	Bromodichloromethane		0.002 mg/kg
19	2-Butanone		0.03 mg/kg
20	Chloroform		0.002 mg/kg
21	Ethylbenzene		0.002 mg/kg
22	Methyl tert-Butyl Ether		0.002 mg/kg
23	Methylene Chloride		0.003 mg/kg
24	Styrene		0.002 mg/kg
25	Tetrachloroethene		0.002 mg/kg
26	Toluene		0.002 mg/kg
27	Trichloroethene		0.002 mg/kg
28	Xylenes (Total)		0.002 mg/kg
29	Acenaphthene	EPA 8270 (modified)	0.1 mg/kg
30	Acenaphthylene		0.1 mg/kg
31	Anthracene		0.1 mg/kg
32	Benzo(a)anthracene		0.1 mg/kg
33	Benzo(a)pyrene		0.1 mg/kg
34	Benzo(b)fluoranthene		0.1 mg/kg
35	Benzo(g,h,i)perylene		0.1 mg/kg
36	Benzo(k)fluoranthene		0.1 mg/kg
37	bis-(2-Ethylhexyl)phthalate		0.5 mg/kg
38	Chrysene		0.1 mg/kg
39	Dibenzo(a,h)anthracene		0.1 mg/kg
40	Fluoranthene		0.1 mg/kg
41	Fluorene		0.1 mg/kg
42	Hexachlorobenzene		0.2 mg/kg
43	Indeno(1,2,3-cd)pyrene		0.1 mg/kg
44	Napthalene		0.1 mg/kg
45	Phenanthrene		0.1 mg/kg
46	Phenol		0.2 mg/kg
47	Pyrene		0.1 mg/kg
48	Petroleum Carbon Range (C6-C8)	USEPA 8260	50 mg/kg
49	Petroleum Carbon Range (C9-C16)		50 mg/kg
50	Petroleum Carbon Range (C17-C35)		50 mg/kg

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TEST REPORT

Laboratory No.:	09656
Date of Issue:	2009-12-11
Date Received:	2009-11-12
Date Tested:	2009-11-12
Date Completed:	2009-12-03

Results:

Sample ID	KTN-236-2 (0.5m)	KTN-23b-2 (1.0m)	KTN-23b-2 (1.5m)
Sample Number	09656-1	09656-2	09656-3
Antimony, mg/kg	86.24	82.50	82.18
Arsenic, mg/kg	<0.2	<0.2	<0.2
Barium, mg/kg	43	120	120
Cadmium, mg/kg	14	16	15
Chromium III, mg/kg	0.6	1.5	1.7
Chromium VI, mg/kg[2]	12	17	15
Cobalt, mg/kg	<0.2	<0.2	<0.2
Copper, mg/kg	0.7	1.0	0.8
Lead, mg/kg, mg/kg	4.4	3.8	1.6
Manganese, mg/kg[2]	8.3	21	23
Mercury, mg/kg	23	23	12
Molybdenum, mg/kg	0.08	0.11	0.12
Nickel, mg/kg	<0.2	<0.2	<0.2
Tin, mg/kg	2.2	2.3	2.1
Zinc, mg/kg	0.6	0.2	0.3
Acetone, mg/kg[2]	21	30	26
Benzene, mg/kg[2]	<0.1	0.1	0.2
Bromodichloromethane, mg/kg[2]	<0.002	<0.002	<0.002
2-Butanone, mg/kg[2]	<0.002	<0.002	<0.002
Chloroform, mg/kg[2]	<0.03	<0.03	<0.03
Ethylbenzene, mg/kg[2]	<0.002	<0.002	<0.002
Methyl tert-Butyl Ether, mg/kg[2]	0.005	<0.002	<0.002
Methylene Chloride, mg/kg[2]	<0.002	<0.002	<0.002
Styrene, mg/kg[2]	<0.003	0.005	0.007
Tetrachloroethene, mg/kg[2]	0.013	0.008	0.005
Toluene, mg/kg[2]	<0.002	<0.002	<0.002
Trichloroethene, mg/kg[2]	0.004	<0.002	<0.002
Xylenes (Total) , mg/kg[2]	<0.002	<0.002	<0.002

Remark: 1) < = less than

2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada

3) N/A = Not applicable

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TEST REPORT

Laboratory No.:	09656
Date of Issue:	2009-12-11
Date Received:	2009-11-12
Date Tested:	2009-11-12
Date Completed:	2009-12-03
Page:	4 of 4

Results:

Sample ID	KTN-236-2 (0.5m)	KTN-23b-2 (1.0m)	KTN-23b-2 (1.5m)
Sample Number	09656-1	09656-2	09656-3
Acenaphthene , mg/kg^2	<0.1	<0.1	<0.1
Acenaphthylene , mg/kg^2	<0.1	<0.1	<0.1
Anthracene , mg/kg^2	<0.1	<0.1	<0.1
Benzo(a)anthracene , mg/kg^2	<0.1	<0.1	<0.1
Benzo(a)pyrene , mg/kg^2	<0.1	<0.1	<0.1
Benzo(b)fluoranthene , mg/kg^2	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene , mg/kg^2	<0.1	<0.1	<0.1
Benzo(k)fluoranthene , mg/kg^2	<0.1	<0.1	<0.1
bis-(2-Ethylhexyl)phthalate , mg/kg^2	<0.5	<0.5	<0.5
Chrysene , mg/kg^2	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene , mg/kg^2	<0.1	<0.1	<0.1
Fluoranthene , mg/kg^2	<0.1	<0.1	<0.1
Fluorene , mg/kg^2	<0.1	<0.1	<0.1
Hexachlorobenzene , mg/kg^2	<0.2	<0.2	<0.2
Indeno(1,2,3-cd)pyrene , mg/kg^2	<0.1	<0.1	<0.1
Napthalene , mg/kg^2	<0.1	<0.1	<0.1
Phenanthrene , mg/kg^2	<0.1	<0.1	<0.1
Phenol , mg/kg^2	<0.2	<0.2	<0.2
Pyrene , mg/kg^2	<0.1	<0.1	<0.1
C6-C8 , mg/kg	<50	<50	<50
C9-C16 , mg/kg	310	110	50
C17-C35, mg/kg	250	120	50

Remark: 1) < = less than

2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada

3) N/A = Not applicable

**********END OF REPORT**********

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TEST REPORT

APPLICANT: **Civil Engineering and Development Department**
23/F, Kwun Tong View,
410 Kwun Tong Road,
Kwoloon, Hong Kong

ATTN: **Ms. Alice Law**

Laboratory No.:	QC09656
Date of Issue:	2009-12-11
Date Received:	2009-11-12
Date Tested:	2009-11-12
Date Completed:	2009-12-03
Page:	1 of 8

QC report:
Method Blank

Parameter	Method Blank	Acceptance
Antimony, µg/L	<0.2	<0.2
Arsenic, µg/L	<0.2	<0.2
Barium, µg/L	<0.2	<0.2
Cadmium, µg/L	<0.1	<0.1
Chromium III, mg/kg	<0.2	<0.2
Chromium VI, mg/kg^2	<0.2	<0.2
Cobalt, µg/L	<0.2	<0.2
Copper, µg/L	<0.2	<0.2
Lead, µg/L	<0.2	<0.2
Manganese, mg/kg^2	<1	<1
Mercury, µg/L	<0.2	<0.2
Molybdenum, µg/L	<0.2	<0.2
Nickel, µg/L	<0.2	<0.2
Tin, µg/L	<0.2	<0.2
Zinc, µg/L	<0.4	<0.4
Acetone, mg/kg^2	<0.1	<0.1
Benzene, mg/kg^2	<0.002	<0.002
Bromodichloromethane, mg/kg^2	<0.002	<0.002
2-Butanone, mg/kg^2	<0.03	<0.03
Chloroform, mg/kg^2	<0.002	<0.002
Ethylbenzene, mg/kg^2	<0.002	<0.002
Methyl tert-Butyl Ether, mg/kg^2	<0.002	<0.002
Methylene Chloride, mg/kg^2	<0.003	<0.003
Styrene, mg/kg^2	<0.002	<0.002

Remark: 1) < = less than
2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada
3) N/A = Not applicable

****

PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

Dr. Priscilla Choy
Laboratory Director

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Testing & Research

WELLAB LIMITED
Rms 816, 1516 & 1701, Technology Park,
18 On Lai Street, Shatin, N.T, Hong Kong.
Tel: 2898 7388 Fax: 2898 7076
Website: www.wellab.com.hk

TEST REPORT

Laboratory No.:	QC09656
Date of Issue:	2009-12-11
Date Received:	2009-11-12
Date Tested:	2009-11-12
Date Completed:	2009-12-03

QC report:
Method Blank

Parameter	Method Blank	Acceptance
Tetrachloroethene, mg/kg[2]	<0.002	<0.002
Toluene, mg/kg[2]	<0.002	<0.002
Trichloroethene, mg/kg[2]	<0.002	<0.002
Xylenes (Total) , mg/kg[2]	<0.002	<0.002
Acenaphthene, mg/kg[2]	<0.1	<0.1
Acenaphthylene, mg/kg[2]	<0.1	<0.1
Anthracene, mg/kg[2]	<0.1	<0.1
Benzo(a)anthracene, mg/kg[2]	<0.1	<0.1
Benzo(a)pyrene, mg/kg[2]	<0.1	<0.1
Benzo(b)fluoranthene, mg/kg[2]	<0.1	<0.1
Benzo(g,h,i)perylene, mg/kg[2]	<0.1	<0.1
Benzo(k)fluoranthene, mg/kg[2]	<0.1	<0.1
bis-(2-Ethylhexyl)phthalate, mg/kg[2]	<0.5	<0.5
Chrysene, mg/kg[2]	<0.1	<0.1
Dibenzo(a,h)anthracene[2], mg/kg	<0.1	<0.1
Fluoranthene, mg/kg[2]	<0.1	<0.1
Fluorene, mg/kg[2]	<0.1	<0.1
Hexachlorobenzene, mg/kg[2]	<0.2	<0.2
Indeno(1,2,3-cd)pyrene, mg/kg[2]	<0.1	<0.1
Napthalene, mg/kg[2]	<0.1	<0.1
Phenanthrene, mg/kg[2]	<0.1	<0.1
Phenol, mg/kg[2]	<0.2	<0.2
Pyrene, mg/kg[2]	<0.1	<0.1
Petroleum Carbon Range (C6-C8), mg/kg	<10	<10
Petroleum Carbon Range (C9-C16), mg/kg	<10	<10
Petroleum Carbon Range (C17-C35), mg/kg	<10	<10

Remark: 1) < = less than
2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada
3) N/A = Not applicable

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TEST REPORT

Laboratory No.:	QC09656
Date of Issue:	2009-12-11
Date Received:	2009-11-12
Date Tested:	2009-11-12
Date Completed:	2009-12-03

QC report:
Method QC

Parameter	Method QC, %	Acceptance
Antimony, %	91	80-120%
Arsenic, %	96	80-120%
Barium, %	91	80-120%
Cadmium, %	96	80-120%
Chromium III, %	95	80-120%
Chromium VI, %[2]	106	85-115%
Cobalt, %	96	80-120%
Copper, %	93	80-120%
Lead, %	94	80-120%
Manganese, %[2]	95	75-125%
Mercury, %	101	80-120%
Molybdenum, %	96	80-120%
Nickel, %	95	80-120%
Tin, %	95	80-120%
Zinc, %	96	80-120%
Acetone, %[2]	107	60-140%
Benzene, %[2]	106	70-130%
Bromodichloromethane, %[2]	114	70-130%
2-Butanone, %[2]	118	60-140%
Chloroform, %[2]	105	70-130%
Ethylbenzene, %[2]	109	70-130%
Methyl tert-Butyl Ether, %[2]	113	70-130%
Methylene Chloride, %[2]	108	70-130%
Styrene, %[2]	112	70-130%
Tetrachloroethene, %[2]	96	70-130%
Toluene, %[2]	105	70-130%
Trichloroethene, %[2]	95	70-130%
Xylenes (Total) , %[2]	103	70-130%

Remark: 1) < = less than
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3) N/A = Not applicable

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TEST REPORT

Laboratory No.:	QC09656
Date of Issue:	2009-12-11
Date Received:	2009-11-12
Date Tested:	2009-11-12
Date Completed:	2009-12-03

QC report:
Method QC

Parameter	Method QC, %	Acceptance
Acenaphthene, %[2]	84	30-130%
Acenaphthylene, %[2]	79	30-130%
Anthracene, %[2]	79	30-130%
Benzo(a)anthracene, %[2]	86	30-130%
Benzo(a)pyrene, %[2]	92	30-130%
Benzo(b)fluoranthene, %[2]	90	30-130%
Benzo(g,h,i)perylene, %[2]	80	30-130%
Benzo(k)fluoranthene, %[2]	83	30-130%
bis-(2-Ethylhexyl)phthalate, %[2]	109	30-130%
Chrysene, %[2]	91	30-130%
Dibenzo(a,h)anthracene, %[2]	89	30-130%
Fluoranthene, %[2]	87	30-130%
Fluorene, %[2]	78	30-130%
Hexachlorobenzene, %[2]	91	30-130%
Indeno(1,2,3-cd)pyrene, %[2]	67	30-130%
Napthalene, %[2]	79	30-130%
Phenanthrene, %[2]	79	30-130%
Phenol, %[2]	93	10-130%
Pyrene, %[2]	107	30-130%
Petroleum Carbon Range (C6-C8), %	86	70-130%
Petroleum Carbon Range (C9-C16), %	98	70-130%
Petroleum Carbon Range (C17-C35), %	87	70-130%

Remark: 1) < = less than

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3) N/A = Not applicable

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TEST REPORT

Laboratory No.:	QC09656
Date of Issue:	2009-12-11
Date Received:	2009-11-12
Date Tested:	2009-11-12
Date Completed:	2009-12-03

QC report:
Sample Spike

Parameter	Spike Recovery, %	Acceptance
Antimony, %	93	80-120%
Arsenic, %	91	80-120%
Barium, %	94	80-120%
Cadmium, %	96	80-120%
Chromium III, %	98	80-120%
Chromium VI, %[2]	106	75-125%
Cobalt, %	92	80-120%
Copper, %	94	80-120%
Lead, %	94	80-120%
Manganese, %[2]	98	75-125%
Mercury, %	89	80-120%
Molybdenum, %	94	80-120%
Nickel, %	93	80-120%
Tin, %	95	80-120%
Zinc, %	96	80-120%
Acetone, %[2]	73	24-171%
Benzene, %[2]	94	39-137%
Bromodichloromethane, %[2]	91	45-131%
2-Butanone, %[2]	78	39-160%
Chloroform, %[2]	104	48-128%
Ethylbenzene, %[2]	106	46-150%
Methyl tert-Butyl Ether, %[2]	103	37-150%
Methylene Chloride, %[2]	106	47-124%
Styrene, %[2]	86	27-148%
Tetrachloroethene, %[2]	94	45-154%
Toluene, %[2]	93	30-158%
Trichloroethene, %[2]	95	39-146%
Xylenes (Total) , %[2]	N/A	N/A

Remark: 1) < = less than

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3) N/A = Not applicable

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TEST REPORT

Laboratory No.:	QC09656
Date of Issue:	2009-12-11
Date Received:	2009-11-12
Date Tested:	2009-11-12
Date Completed:	2009-12-03

QC report:
Sample Spike

Parameter	Spike Recovery, %	Acceptance
Acenaphthene, %[2]	89	30-130%
Acenaphthylene, %[2]	96	30-130%
Anthracene, %[2]	84	30-130%
Benzo(a)anthracene, %[2]	86	30-130%
Benzo(a)pyrene, %[2]	90	30-130%
Benzo(b)fluoranthene, %[2]	102	30-130%
Benzo(g,h,i)perylene, %[2]	94	30-130%
Benzo(k)fluoranthene, %[2]	83	30-130%
bis-(2-Ethylhexyl)phthalate, %[2]	97	30-130%
Chrysene, %[2]	96	30-130%
Dibenzo(a,h)anthracene, %[2]	88	30-130%
Fluoranthene, %[2]	96	30-130%
Fluorene, %[2]	65	30-130%
Hexachlorobenzene, %[2]	93	30-130%
Indeno(1,2,3-cd)pyrene, %[2]	85	30-130%
Napthalene, %[2]	81	30-130%
Phenanthrene, %[2]	94	30-130%
Phenol, %[2]	90	10-130%
Pyrene, %[2]	105	30-130%
Petroleum Carbon Range (C6-C8), %	91	70-130%
Petroleum Carbon Range (C9-C16), %	103	70-130%
Petroleum Carbon Range (C17-C35), %	92	70-130%

Remark: 1) < = less than
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TEST REPORT

Laboratory No.:	QC09656
Date of Issue:	2009-12-11
Date Received:	2009-11-12
Date Tested:	2009-11-12
Date Completed:	2009-12-03

QC report:
Sample Duplicate

Parameter	RPD, %	Acceptance
Antimony, %	8	≤20%
Arsenic, %	N/A	≤20%
Barium, %	6	≤20%
Cadmium, %	3	≤20%
Chromium III, %	3	≤20%
Chromium VI, %[2]	6	≤35%
Cobalt, %	3	≤20%
Copper, %	6	≤20%
Lead, %	3	≤20%
Manganese, %[2]	3	≤35%
Mercury, %	7	≤20%
Molybdenum, %	6	≤20%
Nickel, %	1	≤20%
Tin, %	3	≤20%
Zinc, %	3	≤20%
Acetone, %[2]	8	≤50%
Benzene, %[2]	8	≤50%
Bromodichloromethane, %[2]	N/A	≤50%
2-Butanone, %[2]	N/A	≤50%
Chloroform, %[2]	N/A	≤50%
Ethylbenzene, %[2]	N/A	≤50%
Methyl tert-Butyl Ether, %[2]	N/A	≤50%
Methylene Chloride, %[2]	N/A	≤50%
Styrene, %[2]	N/A	≤50%
Tetrachloroethene, %[2]	N/A	≤50%
Toluene, %[2]	N/A	≤50%
Trichloroethene, %[2]	N/A	≤50%
Xylenes (Total) , %[2]	N/A	≤50%

Remark: 1) < = less than
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3) N/A = Not applicable

****

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TEST REPORT

Laboratory No.:	QC09656
Date of Issue:	2009-12-11
Date Received:	2009-11-12
Date Tested:	2009-11-12
Date Completed:	2009-12-03

QC report:
Sample Duplicate

Parameter	RPD, %	Acceptance
Acenaphthene, %[2]	N/A	≤50%
Acenaphthylene, %[2]	N/A	≤50%
Anthracene, %[2]	N/A	≤50%
Benzo(a)anthracene, %[2]	N/A	≤50%
Benzo(a)pyrene, %[2]	N/A	≤50%
Benzo(b)fluoranthene, %[2]	N/A	≤50%
Benzo(g,h,i)perylene, %[2]	N/A	≤50%
Benzo(k)fluoranthene, %[2]	N/A	≤50%
bis-(2-Ethylhexyl)phthalate, %[2]	N/A	≤50%
Chrysene, %[2]	N/A	≤50%
Dibenzo(a,h)anthracene, %[2]	N/A	≤50%
Fluoranthene, %[2]	N/A	≤50%
Fluorene, %[2]	N/A	≤50%
Hexachlorobenzene, %[2]	N/A	≤50%
Indeno(1,2,3-cd)pyrene, %[2]	N/A	≤50%
Napthalene, %[2]	N/A	≤50%
Phenanthrene, %[2]	N/A	≤50%
Phenol, %[2]	N/A	≤50%
Pyrene, %[2]	N/A	≤50%
Petroleum Carbon Range (C6-C8), %	N/A	≤20%
Petroleum Carbon Range (C9-C16), %	N/A	≤20%
Petroleum Carbon Range (C17-C35), %	N/A	≤20%

Remark: 1) < = less than

2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada

3) N/A = Not applicable

**********END OF REPORT**********

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TEST REPORT

APPLICANT: **Civil Engineering and Development Department**
23/F, Kwun Tong View,
410 Kwun Tong Road,
Kwoloon, Hong Kong

ATTN: **Ms. Alice Law**

Laboratory No.:	09656A
Date of Issue:	2010-02-17
Date Received:	2009-11-12
Date Tested:	2010-01-18
Date Completed:	2010-02-08
Page:	1 of 2

Contract No. : GP/CBT/2009/03
Provision of Chemical Testing Service for Various Government Projects
Service Order No. : GP/CBT/2009/03.03A
Sample Description : 1 sample as received by customer said to be Soil for Toxicity Characteristic Leaching Procedure (TCLP) testing
Sampling Date : 2009-11-12

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
1	Cadmium	In-house method SOP053 (ICP-ES)& In-house method SOP093 & SOP094 (ICPMS)	0.5 µg/L
2	Chromium		1.0 µg/L
3	Copper		1.0 µg/L
4	Nickel		1.0 µg/L
5	Lead		1.0 µg/L
6	Zinc		2.0 µg/L
7	Mercury		1.0 µg/L
8	Tin		1.0 µg/L
9	Silver		1.0 µg/L
10	Antimony		1.0 µg/L
11	Arsenic		1.0 µg/L
12	Beryllium		1.0 µg/L
13	Thallium		1.0 µg/L
14	Vanadium		1.0 µg/L
15	Selenium		1.0 µg/L
16	Barium		1.0 µg/L

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PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

Dr. Priscilla Choy
Laboratory Director

WELLAB LIMITED
Rms 816, 1516 & 1701, Technology Park,
18 On Lai Street, Shatin, N.T, Hong Kong.
Tel: 2898 7388 Fax: 2898 7076
Website: www.wellab.com.hk

TEST REPORT

Laboratory No.:	09656A
Date of Issue:	2010-02-17
Date Received:	2009-11-12
Date Tested:	2010-01-18
Date Completed:	2010-02-08
Page:	2 of 2

Results:

Sample ID	KTN-23b-2 (1.0m)
Sample Number	09656-2
Cadmium, μg/L	<0.5
Chromium, μg/L	<1
Copper, μg/L	<1
Nickel, μg/L	<1
Lead, μg/L	<1
Zinc, μg/L	26
Mercury, μg/L	<1
Tin, μg/L	<1
Silver, μg/L	<1
Antimony, μg/L	<1
Arsenic, μg/L	1
Beryllium, μg/L	<1
Thallium, μg/L	<1
Vanadium, μg/L	<1
Selenium, μg/L	<1
Barium, μg/L	<1

Remark: 1) < = less than

**********END OF REPORT**********

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TEST REPORT

APPLICANT: **Civil Engineering and Development Department**
23/F, Kwun Tong View,
410 Kwun Tong Road,
Kwoloon, Hong Kong

ATTN: **Ms. Alice Law**

Laboratory No.:	QC09656A
Date of Issue:	2010-02-17
Date Received:	2009-11-12
Date Tested:	2010-01-18
Date Completed:	2010-02-08
Page:	1 of 4

QC report:
Method Blank

Parameter	Method Blank	Acceptance
Cadmium, μg/L	<0.1	<0.1
Chromium, μg/L	<0.2	<0.2
Copper, μg/L	<0.2	<0.2
Nickel, μg/L	<0.2	<0.2
Lead, μg/L	<0.2	<0.2
Zinc, μg/L	<0.4	<0.4
Mercury, μg/L	<0.2	<0.2
Tin, μg/L	<0.2	<0.2
Silver, μg/L	<0.2	<0.2
Antimony, μg/L	<0.2	<0.2
Arsenic, μg/L	<0.2	<0.2
Beryllium, μg/L	<0.2	<0.2
Thallium, μg/L	<0.2	<0.2
Vanadium, μg/L	<0.2	<0.2
Selenium, μg/L	<0.2	<0.2
Barium, μg/L		

Remark: 1) < = less than
2) N/A = Not applicable

****

PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

Dr. Priscilla Choy
Laboratory Director

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TEST REPORT

Laboratory No.:	QC09656A
Date of Issue:	2010-02-17
Date Received:	2009-11-12
Date Tested:	2010-01-18
Date Completed:	2010-02-08

QC report:
Method QC

Parameter	Method QC, %	Acceptance
Cadmium, %	97	80-120%
Chromium, %	98	80-120%
Copper, %	101	80-120%
Nickel, %	93	80-120%
Lead, %	98	80-120%
Zinc, %	101	80-120%
Mercury, %	103	80-120%
Tin, %	97	80-120%
Silver, %	92	80-120%
Antimony, %	90	80-120%
Arsenic, %	93	80-120%
Beryllium, %	93	80-120%
Thallium, %	89	80-120%
Vanadium, %	95	80-120%
Selenium, %	91	80-120%
Barium, %	95	80-120%

Remark: 1) < = less than

2) N/A = Not applicable

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TEST REPORT

Laboratory No.:	QC09656A
Date of Issue:	2010-02-17
Date Received:	2009-11-12
Date Tested:	2010-01-18
Date Completed:	2010-02-08

QC report:
Sample Spike

Parameter	Spike Recovery, %	Acceptance
Cadmium, %	98	80-120%
Chromium, %	89	80-120%
Copper, %	104	80-120%
Nickel, %	89	80-120%
Lead, %	96	80-120%
Zinc, %	87	80-120%
Mercury, %	102	80-120%
Tin, %	82	80-120%
Silver, %	99	80-120%
Antimony, %	96	80-120%
Arsenic, %	89	80-120%
Beryllium, %	101	80-120%
Thallium, %	100	80-120%
Vanadium, %	90	80-120%
Selenium, %	102	80-120%
Barium, %	99	80-120%

Remark: 1) < = less than
2) N/A = Not applicable

****

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TEST REPORT

Laboratory No.:	QC09656A
Date of Issue:	2010-02-17
Date Received:	2009-11-12
Date Tested:	2010-01-18
Date Completed:	2010-02-08

Sample Duplicate

Parameter	RPD, %	Acceptance
Cadmium, %	N/A	RPD ≤ 20%
Chromium, %	N/A	RPD ≤ 20%
Copper, %	N/A	RPD ≤ 20%
Nickel, %	N/A	RPD ≤ 20%
Lead, %	N/A	RPD ≤ 20%
Zinc, %	6	RPD ≤ 20%
Mercury, %	N/A	RPD ≤ 20%
Tin, %	N/A	RPD ≤ 20%
Silver, %	N/A	RPD ≤ 20%
Antimony, %	N/A	RPD ≤ 20%
Arsenic, %	10	RPD ≤ 20%
Beryllium, %	N/A	RPD ≤ 20%
Thallium, %	N/A	RPD ≤ 20%
Vanadium, %	N/A	RPD ≤ 20%
Selenium, %	N/A	RPD ≤ 20%
Barium, %	N/A	RPD ≤ 20%

Remark: 1) < = less than

2) N/A = Not applicable

**********END OF REPORT**********

WELLAB LIMITED
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Website: www.wellab.com.hk

TEST REPORT

APPLICANT: **Civil Engineering and Development Department**
23/F, Kwun Tong View,
410 Kwun Tong Road,
Kwoloon, Hong Kong

Laboratory No.:	09662
Date of Issue:	2009-12-11
Date Received:	2009-11-13
Date Tested:	2009-11-13
Date Completed:	2009-12-03

ATTN: **Ms. Alice Law** Page: 1 of 4

Contract No. : GP/CBT/2009/03
Provision of Chemical Testing Service for Various Government Projects
Service Order No. : GP/CBT/2009/03.03A
Sample Description : 2 samples as received by customer said to be Groundwater
Sampling Date : 2009-11-13
Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
1	Mercury	In-house method SOP053 (ICP-ES)& In-house method SOP093 & SOP094 (ICPMS)	1 µg/L
2	Acetone	EPA 8260 modified	10 µg/L
3	Benzene		0.1 µg/L
4	Bromodichloromethane		0.1 µg/L
5	2-Butanone		5 µg/L
6	Chloroform		0.1 µg/L
7	Ethylbenzene		0.1 µg/L
8	Methyl tert-Butyl Ether		0.2 µg/L
9	Methylene Chloride		0.5 µg/L
10	Styrene		0.2 µg/L
11	Tetrachloroethene		0.1 µg/L
12	Toluene		0.2 µg/L
13	Trichloroethene		0.1 µg/L
14	Xylenes (Total)		0.1 µg/L

****

PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

Dr. Priscilla Choy
Laboratory Director

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Testing & Research

WELLAB LIMITED
Rms 816, 1516 & 1701, Technology Park,
18 On Lai Street, Shatin, N.T, Hong Kong.
Tel: 2898 7388 Fax: 2898 7076
Website: www.wellab.com.hk

TEST REPORT

Laboratory No.:	09662
Date of Issue:	2009-12-11
Date Received:	2009-11-13
Date Tested:	2009-11-13
Date Completed:	2009-12-03

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
15	Acenaphthene	In-house Method SOP 091 and 113 (GC/MS)	0.1 µg/L
16	Acenaphthylene		0.1 µg/L
17	Anthracene		0.1 µg/L
18	Benzo(b)fluoranthene		0.1 µg/L
19	Chrysene		0.1 µg/L
20	Fluoranthene		0.1 µg/L
21	Fluorene		0.1 µg/L
22	Hexachlorobenzene		0.01 µg/L
23	Napthalene		0.1 µg/L
24	Phenanthrene		0.1 µg/L
25	Pyrene		0.1 µg/L
26	Petroleum Carbon Range (C6-C8)	USEPA 8260	2 mg/L
27	Petroleum Carbon Range (C9-C16)		2 mg/L
28	Petroleum Carbon Range (C17-C35)		2 mg/L
29	2,4'-Dichlorobiphenyl	In-house Method SOP 089 (GC/MS)	0.02 µg/L
30	2,2',5-Trichlorobiphenyl		0.02 µg/L
32	2,4,4'-Trichlorobiphenyl		0.02 µg/L
33	2,2', 3,5'-Tetrachlorobiphenyl		0.02 µg/L
34	2,2', 5,5'-Tetrachlorobiphenyl		0.02 µg/L
35	2,3', 4,4'-Tetrachlorobiphenyl		0.02 µg/L
36	3,3', 4,4'-Tetrachlorobiphenyl		0.02 µg/L
37	2,2', 4,5,5'-Pentachlorobiphenyl		0.02 µg/L
38	2,3,3', 4,4'-Pentachlorobiphenyl		0.02 µg/L
39	2,3', 4,4',5-Pentachlorobiphenyl		0.02 µg/L
40	3,3', 4,4',5-Pentachlorobiphenyl		0.02 µg/L
41	2,2', 3,3',4,4'-Hexachlorobiphenyl		0.02 µg/L
42	2,2', 3,4,4',5'-Hexachlorobiphenyl		0.02 µg/L
43	2,2', 4,4',5,5'-Hexachlorobiphenyl		0.02 µg/L
44	3,3', 4,4',5,5'-Hexachlorobiphenyl		0.02 µg/L
45	2,2', 3,3',4,4',5-Heptachlorobiphenyl		0.02 µg/L
46	2,2', 3,4,4',5,5'-Heptachlorobiphenyl		0.02 µg/L
47	2,2', 3,4',5,5',6-Heptachlorobiphenyl		0.02 µg/L

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Date Completed:	2009-12-03

Results:

Sample ID	KTN-77.78-1 (GW)	KTN-77.78-4 (GW)
Sample Number	09662-1	09662-2
Mercury, µg/L	<1	<1
Acetone, µg/L [2]	<10	<10
Benzene, µg/L [2]	<0.1	<0.1
Bromodichloromethane, µg/L [2]	0.9	0.2
2-Butanone, µg/L [2]	<5	<5
Chloroform, µg/L [2]	2.0	1.2
Ethylbenzene, µg/L [2]	<0.1	<0.1
Methyl tert-Butyl Ether, µg/L [2]	<0.2	<0.2
Methylene Chloride, µg/L [2]	<0.5	0.5
Styrene, µg/L [2]	<0.2	<0.2
Tetrachloroethene, µg/L [2]	<0.1	<0.1
Toluene, µg/L [2]	<0.2	<0.2
Trichloroethene, µg/L [2]	<0.1	<0.1
Xylenes (Total) , µg/L [2]	<0.1	<0.1
Acenaphthene, µg/L	<0.1	<0.1
Acenaphthylene, µg/L	<0.1	<0.1
Anthracene, µg/L	<0.1	<0.1
Benzo(b)fluoranthene, µg/L	<0.1	<0.1
Chrysene, µg/L	<0.1	<0.1
Fluoranthene, µg/L	<0.1	<0.1
Fluorene, µg/L	<0.1	<0.1
Hexachlorobenzene, µg/L	<0.01	<0.01
Napthalene, µg/L	<0.1	<0.1
Phenanthrene, µg/L	<0.1	<0.1
Pyrene, µg/L	<0.1	<0.1
C6-C8, mg/L	<2	<2
C9-C16, mg/L	<2	<2
C17-C35, mg/L	<2	<2

Remark: 1) < = less than

2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada

3) N/A = Not applicable

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Date Completed:	2009-12-03

Results:

Sample ID	KTN-77.78-1 (GW)	KTN-77.78-4 (GW)
Sample Number	09662-1	09662-2
2,4'-Dichlorobiphenyl, μg/L	<0.02	<0.02
2,2',5-Trichlorobiphenyl, μg/L	<0.02	<0.02
2,4,4'-Trichlorobiphenyl, μg/L	<0.02	<0.02
2,2', 3,5'-Tetrachlorobiphenyl, μg/L	<0.02	<0.02
2,2', 5,5'-Tetrachlorobiphenyl, μg/L	<0.02	<0.02
2,3', 4,4'-Tetrachlorobiphenyl, μg/L	<0.02	<0.02
3,3', 4,4'-Tetrachlorobiphenyl, μg/L	<0.02	<0.02
2,2', 4,5,5'-Pentachlorobiphenyl, μg/L	<0.02	<0.02
2,3,3', 4,4'-Pentachlorobiphenyl, μg/L	<0.02	<0.02
2,3', 4,4',5-Pentachlorobiphenyl, μg/L	<0.02	<0.02
3,3', 4,4',5-Pentachlorobiphenyl, μg/L	<0.02	<0.02
2,2', 3,3',4,4'-Hexachlorobiphenyl, μg/L	<0.02	<0.02
2,2', 3,4,4',5'-Hexachlorobiphenyl, μg/L	<0.02	<0.02
2,2', 4,4',5,5'-Hexachlorobiphenyl, μg/L	<0.02	<0.02
3,3', 4,4',5,5'-Hexachlorobiphenyl, μg/L	<0.02	<0.02
2,2', 3,3',4,4',5-Heptachlorobiphenyl, μg/L	<0.02	<0.02
2,2', 3,4,4',5,5'-Heptachlorobiphenyl, μg/L	<0.02	<0.02
2,2', 3,4',5,5',6-Heptachlorobiphenyl, μg/L	<0.02	<0.02

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**********END OF REPORT**********

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TEST REPORT

APPLICANT: **Civil Engineering and Development Department**
23/F, Kwun Tong View,
410 Kwun Tong Road,
Kwoloon, Hong Kong

ATTN: **Ms. Alice Law**

Laboratory No.:	QC09662
Date of Issue:	2009-12-11
Date Received:	2009-11-13
Date Tested:	2009-11-13
Date Completed:	2009-12-03

QC report:
Method Blank

Parameter	Method Blank	Acceptance
Mercury, µg/L	<0.2	<0.2
Acetone, µg/L [2]	<10	<10
Benzene, µg/L [2]	<0.1	<0.1
Bromodichloromethane, µg/L [2]	<0.1	<0.1
2-Butanone, µg/L [2]	<5	<5
Chloroform, µg/L [2]	<0.1	<0.1
Ethylbenzene, µg/L	<0.1	<0.1
Methyl tert-Butyl Ether, µg/L [2]	<0.2	<0.2
Methylene Chloride, µg/L [2]	<0.5	<0.5
Styrene, µg/L [2]	<0.2	<0.2
Tetrachloroethene, µg/L [2]	<0.1	<0.1
Toluene, µg/L [2]	<0.2	<0.2
Trichloroethene, µg/L [2]	<0.1	<0.1
Xylenes (Total) , µg/L [2]	N/A	N/A
Acenaphthene, µg/L	<0.2	<0.2
Acenaphthylene, µg/L	<0.2	<0.2
Anthracene, µg/L	<0.2	<0.2
Benzo(b)fluoranthene, µg/L	<0.2	<0.2
Chrysene, µg/L	<0.2	<0.2
Fluoranthene, µg/L	<0.2	<0.2
Fluorene, µg/L	<0.2	<0.2
Hexachlorobenzene, µg/L	<0.2	<0.2
Napthalene, µg/L	<0.2	<0.2
Phenanthrene, µg/L	<0.2	<0.2
Pyrene, µg/L	<0.2	<0.2

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PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

Dr. Priscilla Choy
Laboratory Director

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QC report:
Method Blank

Parameter	Method Blank	Acceptance
Petroleum Carbon Range (C6-C8), mg/L	<0.4	<0.4
Petroleum Carbon Range (C9-C16), mg/L	<0.4	<0.4
Petroleum Carbon Range (C17-C35), mg/L	<0.4	<0.4
2,4'-Dichlorobiphenyl, µg/L	<0.004	<0.004
2,2',5-Trichlorobiphenyl, µg/L	<0.004	<0.004
2,4,4'-Trichlorobiphenyl, µg/L	<0.004	<0.004
2,2', 3,5'-Tetrachlorobiphenyl, µg/L	<0.004	<0.004
2,2', 5,5'-Tetrachlorobiphenyl, µg/L	<0.004	<0.004
2,3', 4,4'-Tetrachlorobiphenyl, µg/L	<0.004	<0.004
3,3', 4,4'-Tetrachlorobiphenyl, µg/L	<0.004	<0.004
2,2', 4,5,5'-Pentachlorobiphenyl, µg/L	<0.004	<0.004
2,3,3', 4,4'-Pentachlorobiphenyl, µg/L	<0.004	<0.004
2,3', 4,4',5-Pentachlorobiphenyl, µg/L	<0.004	<0.004
3,3', 4,4',5-Pentachlorobiphenyl, µg/L	<0.004	<0.004
2,2', 3,3',4,4'-Hexachlorobiphenyl, µg/L	<0.004	<0.004
2,2', 3,4,4',5'-Hexachlorobiphenyl, µg/L	<0.004	<0.004
2,2', 4,4',5,5'-Hexachlorobiphenyl, µg/L	<0.004	<0.004
3,3', 4,4',5,5'-Hexachlorobiphenyl, µg/L	<0.004	<0.004
2,2', 3,3',4,4',5-Heptachlorobiphenyl, µg/L	<0.004	<0.004
2,2', 3,4,4',5,5'-Heptachlorobiphenyl, µg/L	<0.004	<0.004
2,2', 3,4',5,5',6-Heptachlorobiphenyl, µg/L	<0.004	<0.004

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Date Completed:	2009-12-03

QC report:
Method QC

Parameter	Method QC, %	Acceptance
Mercury, %	96	80-120%
Acetone, %[2]	73	60-140%
Benzene, %[2]	96	70-130%
Bromodichloromethane, %[2]	89	70-130%
2-Butanone, %[2]	86	60-140%
Chloroform, %[2]	91	70-130%
Ethylbenzene, %[2]	91	70-130%
Methyl tert-Butyl Ether, %[2]	93	70-130%
Methylene Chloride, %[2]	110	70-130%
Styrene, %[2]	102	70-130%
Tetrachloroethene, %[2]	63	70-130%
Toluene, %[2]	83	70-130%
Trichloroethene, %[2]	105	70-130%
Xylenes (Total) , %[2]	N/A	N/A
Acenaphthene, %	89	70-130%
Acenaphthylene, %	96	70-130%
Anthracene, %	86	70-130%
Benzo(b)fluoranthene, %	94	70-130%
Chrysene, %	93	70-130%
Fluoranthene, %	96	70-130%
Fluorene, %	95	70-130%
Hexachlorobenzene, %	101	70-130%
Napthalene, %	103	70-130%
Phenanthrene, %	86	70-130%
Pyrene, %	93	70-130%
Petroleum Carbon Range (C6-C8), %	96	70-130%
Petroleum Carbon Range (C9-C16), %	95	70-130%
Petroleum Carbon Range (C17-C35), %	96	70-130%

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QC report:
Method QC

Parameter	Method QC, %	Acceptance
2,4'-Dichlorobiphenyl, %	96	70-130%
2,2',5-Trichlorobiphenyl, %	91	70-130%
2,4,4'-Trichlorobiphenyl, %	93	70-130%
2,2', 3,5'-Tetrachlorobiphenyl, %	95	70-130%
2,2', 5,5'-Tetrachlorobiphenyl, %	101	70-130%
2,3', 4,4'-Tetrachlorobiphenyl, %	103	70-130%
3,3', 4,4'-Tetrachlorobiphenyl, %	105	70-130%
2,2', 4,5,5'-Pentachlorobiphenyl, %	102	70-130%
2,3,3', 4,4'-Pentachlorobiphenyl, %	98	70-130%
2,3', 4,4',5-Pentachlorobiphenyl, %	96	70-130%
3,3', 4,4',5-Pentachlorobiphenyl, %	94	70-130%
2,2', 3,3',4,4'-Hexachlorobiphenyl, %	89	70-130%
2,2', 3,4,4',5'-Hexachlorobiphenyl, %	89	70-130%
2,2', 4,4',5,5'-Hexachlorobiphenyl, %	91	70-130%
3,3', 4,4',5,5'-Hexachlorobiphenyl, %	96	70-130%
2,2', 3,3',4,4',5-Heptachlorobiphenyl, %	94	70-130%
2,2', 3,4,4',5,5'-Heptachlorobiphenyl, %	91	70-130%
2,2', 3,4',5,5',6-Heptachlorobiphenyl, %	93	70-130%

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Date Completed:	2009-12-03

QC report:
Sample Spike

Parameter	Spike Recovery, %	Acceptance
Mercury, %	96	80-120%
Acetone, %[2]	110	60-140%
Benzene, %[2]	83	70-130%
Bromodichloromethane, %[2]	86	70-130%
2-Butanone, %[2]	78	60-140%
Chloroform, %[2]	105	70-130%
Ethylbenzene, %[2]	105	70-130%
Methyl tert-Butyl Ether, %[2]	110	70-130%
Methylene Chloride, %[2]	106	70-130%
Styrene, %[2]	105	70-130%
Tetrachloroethene, %[2]	95	70-130%
Toluene, %[2]	96	70-130%
Trichloroethene, %[2]	95	70-130%
Xylenes (Total) , %[2]	N/A	N/A
Acenaphthene, %	96	70-130%
Acenaphthylene, %	89	70-130%
Anthracene, %	93	70-130%
Benzo(b)fluoranthene, %	96	70-130%
Chrysene, %	91	70-130%
Fluoranthene, %	92	70-130%
Fluorene, %	96	70-130%
Hexachlorobenzene, %	94	70-130%
Napthalene, %	95	70-130%
Phenanthrene, %	96	70-130%
Pyrene, %	95	70-130%
Petroleum Carbon Range (C6-C8), %	101	70-130%
Petroleum Carbon Range (C9-C16), %	96	70-130%
Petroleum Carbon Range (C17-C35), %	96	70-130%

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QC report:
Sample Spike

Parameter	Spike Recovery, %	Acceptance
2,4'-Dichlorobiphenyl, %	105	70-130%
2,2',5-Trichlorobiphenyl, %	103	70-130%
2,4,4'-Trichlorobiphenyl, %	98	70-130%
2,2', 3,5'-Tetrachlorobiphenyl, %	96	70-130%
2,2', 5,5'-Tetrachlorobiphenyl, %	98	70-130%
2,3', 4,4'-Tetrachlorobiphenyl, %	103	70-130%
3,3', 4,4'-Tetrachlorobiphenyl, %	102	70-130%
2,2', 4,5,5'-Pentachlorobiphenyl, %	105	70-130%
2,3,3', 4,4'-Pentachlorobiphenyl, %	106	70-130%
2,3', 4,4',5-Pentachlorobiphenyl, %	102	70-130%
3,3', 4,4',5-Pentachlorobiphenyl, %	98	70-130%
2,2', 3,3',4,4'-Hexachlorobiphenyl, %	96	70-130%
2,2', 3,4,4',5'-Hexachlorobiphenyl, %	96	70-130%
2,2', 4,4',5,5'-Hexachlorobiphenyl, %	98	70-130%
3,3', 4,4',5,5'-Hexachlorobiphenyl, %	98	70-130%
2,2', 3,3',4,4',5-Heptachlorobiphenyl, %	102	70-130%
2,2', 3,4,4',5,5'-Heptachlorobiphenyl, %	102	70-130%
2,2', 3,4',5,5',6-Heptachlorobiphenyl, %	93	70-130%

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Date of Issue:	2009-12-11
Date Received:	2009-11-13
Date Tested:	2009-11-13
Date Completed:	2009-12-03

QC report:
Sample Duplicate

Parameter	RPD, %	Acceptance
Mercury, %	N/A	≤20%
Acetone, %[2]	N/A	≤50%
Benzene, %[2]	N/A	≤50%
Bromodichloromethane, %[2]	3	≤50%
2-Butanone, %[2]	N/A	≤50%
Chloroform, %[2]	4	≤50%
Ethylbenzene, %[2]	N/A	≤50%
Methyl tert-Butyl Ether, %[2]	N/A	≤50%
Methylene Chloride, %[2]	3	≤50%
Styrene, %[2]	N/A	≤50%
Tetrachloroethene, %[2]	N/A	≤50%
Toluene, %[2]	N/A	≤50%
Trichloroethene, %[2]	N/A	≤50%
Xylenes (Total) , %[2]	N/A	≤50%
Acenaphthene, %	N/A	≤50%
Acenaphthylene, %	N/A	≤50%
Anthracene, %	N/A	≤50%
Benzo(b)fluoranthene, %	N/A	≤50%
Chrysene, %	N/A	≤50%
Fluoranthene, %	N/A	≤50%
Fluorene, %	N/A	≤50%
Hexachlorobenzene, %	N/A	≤50%
Napthalene, %	N/A	≤50%
Phenanthrene, %	N/A	≤50%
Pyrene, %	N/A	≤50%
Petroleum Carbon Range (C6-C8), %	N/A	≤20%
Petroleum Carbon Range (C9-C16), %	N/A	≤20%
Petroleum Carbon Range (C17-C35), %	N/A	≤20%

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TEST REPORT

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Date of Issue:	2009-12-11
Date Received:	2009-11-13
Date Tested:	2009-11-13
Date Completed:	2009-12-03

QC report:
Sample Duplicate

Parameter	RPD, %	Acceptance
2,4'-Dichlorobiphenyl, %	N/A	≤ 30%
2,2',5-Trichlorobiphenyl, %	N/A	≤ 30%
2,4,4'-Trichlorobiphenyl, %	N/A	≤ 30%
2,2', 3,5'-Tetrachlorobiphenyl, %	N/A	≤ 30%
2,2', 5,5'-Tetrachlorobiphenyl, %	N/A	≤ 30%
2,3', 4,4'-Tetrachlorobiphenyl, %	N/A	≤ 30%
3,3', 4,4'-Tetrachlorobiphenyl, %	N/A	≤ 30%
2,2', 4,5,5'-Pentachlorobiphenyl, %	N/A	≤ 30%
2,3,3', 4,4'-Pentachlorobiphenyl, %	N/A	≤ 30%
2,3', 4,4',5-Pentachlorobiphenyl, %	N/A	≤ 30%
3,3', 4,4',5-Pentachlorobiphenyl, %	N/A	≤ 30%
2,2', 3,3',4,4'-Hexachlorobiphenyl, %	N/A	≤ 30%
2,2', 3,4,4',5'-Hexachlorobiphenyl, %	N/A	≤ 30%
2,2', 4,4',5,5'-Hexachlorobiphenyl, %	N/A	≤ 30%
3,3', 4,4',5,5'-Hexachlorobiphenyl, %	N/A	≤ 30%
2,2', 3,3',4,4',5-Heptachlorobiphenyl, %	N/A	≤ 30%
2,2', 3,4,4',5,5'-Heptachlorobiphenyl, %	N/A	≤ 30%
2,2', 3,4',5,5',6-Heptachlorobiphenyl, %	N/A	≤ 30%

Remark: 1) < = less than

2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada

3) N/A = Not applicable

**********END OF REPORT**********

Please quote our reference in your reply

土木工程拓展署
CEDD Civil Engineering and Development Department

新界西及北拓展處
New Territories North and West Development Office

Web site 網址 : http://www.cedd.gov.hk
E-mail 電子郵件 : pytai@cedd.gov.hk
Telephone 電話 : (852) 2158 5629
Facsimile 傳真 : (852) 2693 2918
Our ref 本署檔號 : ( ) in NTNTPF 2/6/43 (E) Pt. 5
Your ref 來函檔號 :
Date 日期 : 27 May 2010

新界沙田上禾輋路 1 號
沙田政府合署 9 樓
9/F, Sha Tin Government Offices,
1 Sheung Wo Che Road,
Sha Tin,
New Territories, Hong Kong

By Post

Ove Arup & Partners Hong Kong Ltd.
Level 5, Festival Walk,
80 Tat Chee Avenue,
Kowloon Tong, Kowloon,
Hong Kong

(Attn.: Mr. Davis LEE)

ARUP Job No. 187718
File No. 4.10
Reply Ref.: By: Date
Action Required:
Received 28 MAY 2010 1593
Inits. DL CHNL TC KKC LAH
Action
Info.
Copy

Dear Sirs,

Agreement No. CE 61/2007 (CE)
North East New Territories New Development Areas
Planning and Engineering Study – Investigation

Final Laboratory Chemical Testing Report
for Land Contamination Impact Assessment (Site No. KTN-35a)

I enclose herewith a copy each of the memo from GEO ref. GCGP 2/A2/33-2009Q3-S03B dated 20.5.2010 and the captioned report (both hard and digital copy) for your reference and necessary actions.

Yours faithfully,

(Miss P Y TAI)
for Project Manager (New Territories North and West)
Civil Engineering and Development Department

Encl.

c.c. (w/o encl.)
CTP/SR, PlanD (Attn.: Ms. April KUN) Fax No. 2522 8524

Internal
SE/8 & E/1 – to note in file please

Civil Engineering and Development Department

Contract No. GP/CBT/2009/03
Provision of Chemical Testing Service for Various Government Projects
(Service Order No. GP/CBT/2009/03.03B)

Test Report

January 2010

Approved By _____
(Laboratory Manager)

REMARKS:

The information supplied and contained within this report is, to the best of our knowledge, correct at the time of printing.

WELLAB accepts no responsibility for changes made to this report by third parties.

Wellab Limited
Room 1701, Technology Park,
18 On Lai Street,
Shatin, N.T.
Tel: (852) 2898 7388 Fax: (852) 2898 7076

WELLAB 匯力 Testing & Research

WELLAB LIMITED
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Tel: 2898 7388 Fax: 2898 7076
Website: www.wellab.com.hk

TEST REPORT

APPLICANT: **Civil Engineering and Development Department**
23/F, Kwun Tong View,
410 Kwun Tong Road,
Kwoloon, Hong Kong

Laboratory No.:	10321
Date of Issue:	2010-02-25
Date Received:	2010-01-22
Date Tested:	2010-01-22
Date Completed:	2010-02-22

ATTN: **Mr. Alex Fung** Page: 1 of 4

Contract No. : GP/CBT/2009/03
Provision of Chemical Testing Service for Various Government Projects

Service Order No. : GP/CBT/2009/03.03B
Agreement No. CE 61/2007 (CE)
North East New Territories New Development Area
Planning and Engineering Study Investigation
Request for Laboratory Chemical Testing Service
for Land Contamination Impact Assessment (Sites No. KTN-35a)

Sample Description : 6 samples as received by customer said to be Soil
Sampling Date : 2010-01-21

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
1	Antimony	In-house method SOP053 (ICP-ES)& In-house method SOP093 & SOP094 (ICPMS)	0.2 mg/kg
2	Arsenic		0.1 mg/kg
3	Barium		0.2 mg/kg
4	Cadmium		0.1 mg/kg
5	Chromium III		0.2 mg/kg
6	Chromium VI	EPA 3060A	0.2 mg/kg
7	Cobalt	In-house method SOP053 (ICP-ES)& In-house method SOP093 & SOP094 (ICPMS)	0.2 mg/kg
8	Copper		0.2 mg/kg
9	Lead		0.2 mg/kg
10	Manganese	EPA 6020	1 mg/kg
11	Mercury	In-house method SOP053 (ICP-ES)& In-house method SOP093 & SOP094 (ICPMS)	0.05 mg/kg
12	Molybdenum		0.2 mg/kg
13	Nickel		0.2 mg/kg
14	Tin		0.2 mg/kg
15	Zinc		0.2 mg/kg

****

PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

PATRICK TSE
Laboratory Manager

WELLAB 匯力 Testing & Research

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TEST REPORT

Laboratory No.:	10321
Date of Issue:	2010-02-25
Date Received:	2010-01-22
Date Tested:	2010-01-22
Date Completed:	2010-02-22

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
16	Acetone	EPA 8260 modified	0.1 mg/kg
17	Benzene		0.002 mg/kg
18	Bromodichloromethane		0.002 mg/kg
19	2-Butanone		0.03 mg/kg
20	Chloroform		0.002 mg/kg
21	Ethylbenzene		0.002 mg/kg
22	Methyl tert-Butyl Ether		0.002 mg/kg
23	Methylene Chloride		0.003 mg/kg
24	Styrene		0.002 mg/kg
25	Tetrachloroethene		0.002 mg/kg
26	Toluene		0.002 mg/kg
27	Trichloroethene		0.002 mg/kg
28	Xylenes (Total)		0.002 mg/kg
29	Acenaphthene	EPA 8270 (modified)	1 mg/kg
30	Acenaphthylene		1 mg/kg
31	Anthracene		1 mg/kg
32	Benzo(a)anthracene		1 mg/kg
33	Benzo(a)pyrene		1 mg/kg
34	Benzo(b)fluoranthene		1 mg/kg
35	Benzo(g,h,i)perylene		1 mg/kg
36	Benzo(k)fluoranthene		1 mg/kg
37	bis-(2-Ethylhexyl)phthalate		5 mg/kg
38	Chrysene		1 mg/kg
39	Dibenzo(a,h)anthracene		1 mg/kg
40	Fluoranthene		1 mg/kg
41	Fluorene		1 mg/kg
42	Hexachlorobenzene		0.2 mg/kg
43	Indeno(1,2,3-cd)pyrene		1 mg/kg
44	Napthalene		1 mg/kg
45	Phenanthrene		1 mg/kg
46	Phenol		2 mg/kg
47	Pyrene		1 mg/kg
48	Petroleum Carbon Range (C6-C8)	USEPA 8260	50 mg/kg
49	Petroleum Carbon Range (C9-C16)		50 mg/kg
50	Petroleum Carbon Range (C17-C35)		50 mg/kg

****

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TEST REPORT

Laboratory No.:	10321
Date of Issue:	2010-02-25
Date Received:	2010-01-22
Date Tested:	2010-01-22
Date Completed:	2010-02-22

Results:

Sample ID	KTN-35a-1 (0.5m)	KTN-35a-1 (1.0m)	KTN-35a-1 (1.5m)	KTN-35a-2 (0.5m)	KTN-35a-2 (1.0m)	KTN-35a-2 (1.3 m)
Sample Number	10321-1	10321-2	10321-3	10321-4	10321-5	10321-6
Antimony, mg/kg	0.3	0.5	<0.2	<0.2	0.3	<0.2
Arsenic, mg/kg	25	110	56	24	57	110
Barium, mg/kg	6.4	5.3	5.6	10	6.4	6.6
Cadmium, mg/kg	<0.1	1.2	0.5	0.2	0.5	1.2
Chromium III, mg/kg	24	48	14	12	15	24.0
Chromium VI, mg/kg[2]	<0.2	<0.2	<0.2	<0.2	0.5	0.3
Cobalt, mg/kg	0.3	0.4	0.4	0.3	0.4	0.8
Copper, mg/kg	14	10	9.9	30	11	12
Lead, mg/kg, mg/kg	9.1	18	13	11	9.2	13
Manganese, mg/kg[2]	71	16	5.7	50	13	15
Mercury, mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Molybdenum, mg/kg	0.4	<0.2	<0.2	0.3	0.6	<0.2
Nickel, mg/kg	1.7	2.1	1.1	2.3	1.5	1.9
Tin, mg/kg	0.7	1	0.8	0.9	1.4	0.6
Zinc, mg/kg	40	23	15	69	15	28
Acetone, mg/kg[2]	<0.1	<0.1	0.1	0.1	0.2	0.2
Benzene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bromodichloromethane, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2-Butanone, mg/kg[2]	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Chloroform, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Ethylbenzene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Methyl tert-Butyl Ether, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Methylene Chloride, mg/kg[2]	0.066	0.075	0.097	0.084	0.095	0.11
Styrene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Tetrachloroethene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Toluene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Trichloroethene, mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Xylenes (Total) , mg/kg[2]	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

Remark: 1) <= less than

2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada

****

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TEST REPORT

Laboratory No.:	10321
Date of Issue:	2010-02-25
Date Received:	2010-01-22
Date Tested:	2010-01-22
Date Completed:	2010-02-22

Results:

Sample ID	KTN-35a-1 (0.5m)	KTN-35a-1 (1.0m)	KTN-35a-1 (1.5m)	KTN-35a-2 (0.5m)	KTN-35a-2 (1.0m)	KTN-35a-2 (1.3 m)
Sample Number	10321-1	10321-2	10321-3	10321-4	10321-5	10321-6
Acenaphthene , mg/kg^2	<1	<1	<1	<1	<1	<1
Acenaphthylene , mg/kg^2	<1	<1	<1	<1	<1	<1
Anthracene , mg/kg^2	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene , mg/kg^2	<1	<1	<1	<1	<1	<1
Benzo(a)pyrene , mg/kg^2	<1	<1	<1	<1	<1	<1
Benzo(b)fluoranthene , mg/kg^2	<1	<1	<1	<1	<1	<1
Benzo(g,h,i)perylene , mg/kg^2	<1	<1	<1	<1	<1	<1
Benzo(k)fluoranthene , mg/kg^2	<1	<1	<1	<1	<1	<1
bis-(2-Ethylhexyl)phthalate , mg/kg^2	<5	<5	<5	<5	<5	<5
Chrysene , mg/kg^2	<1	<1	<1	<1	<1	<1
Dibenzo(a,h)anthracene , mg/kg^2	<1	<1	<1	<1	<1	<1
Fluoranthene , mg/kg^2	<1	<1	<1	<1	<1	<1
Fluorene , mg/kg^2	<1	<1	<1	<1	<1	<1
Hexachlorobenzene , mg/kg^2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Indeno(1,2,3-cd)pyrene , mg/kg^2	<1	<1	<1	<1	<1	<1
Napthalene , mg/kg^2	<1	<1	<1	<1	<1	<1
Phenanthrene , mg/kg^2	<1	<1	<1	<1	<1	<1
Phenol , mg/kg^2	<2	<2	<2	<2	<2	<2
Pyrene , mg/kg^2	<1	<1	<1	<1	<1	<1
C6-C8 , mg/kg	<50	<50	<50	<50	<50	<50
C9-C16 , mg/kg	<50	<50	<50	<50	<50	<50
C17-C35, mg/kg	<50	<50	<50	<50	<50	<50

Remark: 1) < = less than

2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada

**********END OF REPORT**********

WELLAB 匯力 Testing & Research

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Website: www.wellab.com.hk

TEST REPORT

APPLICANT: **Civil Engineering and Development Department**
23/F, Kwun Tong View,
410 Kwun Tong Road,
Kwoloon, Hong Kong

ATTN: **Mr. Alex Fung**

Laboratory No.:	QC10321
Date of Issue:	2010-02-25
Date Received:	2010-01-22
Date Tested:	2010-01-22
Date Completed:	2010-02-22
Page:	1 of 8

QC report:
Method Blank

Parameter	Method Blank	Acceptance
Antimony, μg/L	<0.2	<0.2
Arsenic, μg/L	<0.2	<0.2
Barium, μg/L	<0.2	<0.2
Cadmium, μg/L	<0.1	<0.1
Chromium III, mg/kg	<0.2	<0.2
Chromium VI, mg/kg[2]	<0.2	<0.2
Cobalt, μg/L	<0.2	<0.2
Copper, μg/L	<0.2	<0.2
Lead, μg/L	<0.2	<0.2
Manganese, mg/kg[2]	<1	<1
Mercury, μg/L	<0.2	<0.2
Molybdenum, μg/L	<0.2	<0.2
Nickel, μg/L	<0.2	<0.2
Tin, μg/L	<0.2	<0.2
Zinc, μg/L	<0.4	<0.4
Acetone, mg/kg[2]	<0.1	<0.1
Benzene, mg/kg[2]	<0.002	<0.002
Bromodichloromethane, mg/kg[2]	<0.002	<0.002
2-Butanone, mg/kg[2]	<0.03	<0.03
Chloroform, mg/kg[2]	<0.002	<0.002
Ethylbenzene, mg/kg[2]	<0.002	<0.002
Methyl tert-Butyl Ether, mg/kg[2]	<0.002	<0.002
Methylene Chloride, mg/kg[2]	<0.003	<0.003
Styrene, mg/kg[2]	<0.002	<0.002

Remark: 1) < = less than
2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada
3) N/A = Not applicable

****

PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

Patrick Tse
PATRICK TSE
Laboratory Manager

WELLAB LIMITED
Rms 816, 1516 & 1701, Technology Park,
18 On Lai Street, Shatin, N.T, Hong Kong.
Tel: 2898 7388 Fax: 2898 7076
Website: www.wellab.com.hk

TEST REPORT

Laboratory No.:	QC10321
Date of Issue:	2010-02-25
Date Received:	2010-01-22
Date Tested:	2010-01-22
Date Completed:	2010-02-22

QC report:
Method Blank

Parameter	Method Blank	Acceptance
Tetrachloroethene, mg/kg[2]	<0.002	<0.002
Toluene, mg/kg[2]	<0.002	<0.002
Trichloroethene, mg/kg[2]	<0.002	<0.002
Xylenes (Total) , mg/kg[2]	<0.002	<0.002
Acenaphthene, mg/kg[2]	<0.1	<0.1
Acenaphthylene, mg/kg[2]	<0.1	<0.1
Anthracene, mg/kg[2]	<0.1	<0.1
Benzo(a)anthracene, mg/kg[2]	<0.1	<0.1
Benzo(a)pyrene, mg/kg[2]	<0.1	<0.1
Benzo(b)fluoranthene, mg/kg[2]	<0.1	<0.1
Benzo(g,h,i)perylene, mg/kg[2]	<0.1	<0.1
Benzo(k)fluoranthene, mg/kg[2]	<0.1	<0.1
bis-(2-Ethylhexyl)phthalate, mg/kg[2]	<0.5	<0.5
Chrysene, mg/kg[2]	<0.1	<0.1
Dibenzo(a,h)anthracene[2], mg/kg	<0.1	<0.1
Fluoranthene, mg/kg[2]	<0.1	<0.1
Fluorene, mg/kg[2]	<0.1	<0.1
Hexachlorobenzene, mg/kg[2]	<0.2	<0.2
Indeno(1,2,3-cd)pyrene, mg/kg[2]	<0.1	<0.1
Napthalene, mg/kg[2]	<0.1	<0.1
Phenanthrene, mg/kg[2]	<0.1	<0.1
Phenol, mg/kg[2]	<0.2	<0.2
Pyrene, mg/kg[2]	<0.1	<0.1
Petroleum Carbon Range (C6-C8), mg/kg	<10	<10
Petroleum Carbon Range (C9-C16), mg/kg	<10	<10
Petroleum Carbon Range (C17-C35), mg/kg	<10	<10

Remark: 1) < = less than
2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada
3) N/A = Not applicable

****

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TEST REPORT

Laboratory No.:	QC10321
Date of Issue:	2010-02-25
Date Received:	2010-01-22
Date Tested:	2010-01-22
Date Completed:	2010-02-22

QC report:
Method QC

Parameter	Method QC, %	Acceptance
Antimony, %	96	80-120%
Arsenic, %	97	80-120%
Barium, %	93	80-120%
Cadmium, %	95	80-120%
Chromium III, %	98	80-120%
Chromium VI, %[2]	96	85-115%
Cobalt, %	93	80-120%
Copper, %	96	80-120%
Lead, %	99	80-120%
Manganese, %[2]	104	75-125%
Mercury, %	96	80-120%
Molybdenum, %	99	80-120%
Nickel, %	103	80-120%
Tin, %	102	80-120%
Zinc, %	96	80-120%
Acetone, %[2]	96	60-140%
Benzene, %[2]	101	70-130%
Bromodichloromethane, %[2]	104	70-130%
2-Butanone, %[2]	100	60-140%
Chloroform, %[2]	103	70-130%
Ethylbenzene, %[2]	104	70-130%
Methyl tert-Butyl Ether, %[2]	100	70-130%
Methylene Chloride, %[2]	100	70-130%
Styrene, %[2]	104	70-130%
Tetrachloroethene, %[2]	106	70-130%
Toluene, %[2]	97	70-130%
Trichloroethene, %[2]	105	70-130%
Xylenes (Total) , %[2]	N/A	70-130%

Remark: 1) < = less than

2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada

3) N/A = Not applicable

****

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TEST REPORT

Laboratory No.:	QC10321
Date of Issue:	2010-02-25
Date Received:	2010-01-22
Date Tested:	2010-01-22
Date Completed:	2010-02-22

QC report:
Method QC

Parameter	Method QC, %	Acceptance
Acenaphthene, %[2]	82	30-130%
Acenaphthylene, %[2]	82	30-130%
Anthracene, %[2]	79	30-130%
Benzo(a)anthracene, %[2]	91	30-130%
Benzo(a)pyrene, %[2]	78	30-130%
Benzo(b)fluoranthene, %[2]	72	30-130%
Benzo(g,h,i)perylene, %[2]	80	30-130%
Benzo(k)fluoranthene, %[2]	78	30-130%
bis-(2-Ethylhexyl)phthalate, %[2]	98	30-130%
Chrysene, %[2]	91	30-130%
Dibenzo(a,h)anthracene, %[2]	64	30-130%
Fluoranthene, %[2]	85	30-130%
Fluorene, %[2]	83	30-130%
Hexachlorobenzene, %[2]	91	30-130%
Indeno(1,2,3-cd)pyrene, %[2]	66	30-130%
Napthalene, %[2]	64	30-130%
Phenanthrene, %[2]	81	30-130%
Phenol, %[2]	86	10-130%
Pyrene, %[2]	94	30-130%
Petroleum Carbon Range (C6-C8), %	96	70-130%
Petroleum Carbon Range (C9-C16), %	94	70-130%
Petroleum Carbon Range (C17-C35), %	99	70-130%

Remark: 1) < = less than
2) Testing of above parameters was subcontracted to Maxxam Analytics in Canada
3) N/A = Not applicable

****

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TEST REPORT

Laboratory No.:	QC10321
Date of Issue:	2010-02-25
Date Received:	2010-01-22
Date Tested:	2010-01-22
Date Completed:	2010-02-22

QC report:
Sample Spike

Parameter	Spike Recovery, %	Acceptance
Antimony, %	96	80-120%
Arsenic, %	90	80-120%
Barium, %	96	80-120%
Cadmium, %	88	80-120%
Chromium III, %	103	80-120%
Chromium VI, %[2]	109	75-125%
Cobalt, %	103	80-120%
Copper, %	96	80-120%
Lead, %	95	80-120%
Manganese, %[2]	N/A	75-125%
Mercury, %	96	80-120%
Molybdenum, %	93	80-120%
Nickel, %	96	80-120%
Tin, %	99	80-120%
Zinc, %	91	80-120%
Acetone, %[2]	102	24-171%
Benzene, %[2]	104	39-137%
Bromodichloromethane, %[2]	104	45-131%
2-Butanone, %[2]	97	39-160%
Chloroform, %[2]	105	48-128%
Ethylbenzene, %[2]	109	46-150%
Methyl tert-Butyl Ether, %[2]	106	37-150%
Methylene Chloride, %[2]	58	47-124%
Styrene, %[2]	105	27-148%
Tetrachloroethene, %[2]	112	45-154%
Toluene, %[2]	109	30-158%
Trichloroethene, %[2]	109	39-146%
Xylenes (Total), %[2]	N/A	N/A

Remark: 1) < = less than
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3) N/A = Not applicable

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TEST REPORT

Laboratory No.:	QC10321
Date of Issue:	2010-02-25
Date Received:	2010-01-22
Date Tested:	2010-01-22
Date Completed:	2010-02-22

QC report:
Sample Spike

Parameter	Spike Recovery, %	Acceptance
Acenaphthene, %[2]	87	30-130%
Acenaphthylene, %[2]	86	30-130%
Anthracene, %[2]	79	30-130%
Benzo(a)anthracene, %[2]	91	30-130%
Benzo(a)pyrene, %[2]	72	30-130%
Benzo(b)fluoranthene, %[2]	69	30-130%
Benzo(g,h,i)perylene, %[2]	50	30-130%
Benzo(k)fluoranthene, %[2]	92	30-130%
bis-(2-Ethylhexyl)phthalate, %[2]	94	30-130%
Chrysene, %[2]	87	30-130%
Dibenzo(a,h)anthracene, %[2]	46	30-130%
Fluoranthene, %[2]	87	30-130%
Fluorene, %[2]	85	30-130%
Hexachlorobenzene, %[2]	97	30-130%
Indeno(1,2,3-cd)pyrene, %[2]	34	30-130%
Napthalene, %[2]	76	30-130%
Phenanthrene, %[2]	87	30-130%
Phenol, %[2]	90	10-130%
Pyrene, %[2]	92	30-130%
Petroleum Carbon Range (C6-C8), %	91	70-130%
Petroleum Carbon Range (C9-C16), %	96	70-130%
Petroleum Carbon Range (C17-C35), %	91	70-130%

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TEST REPORT

Laboratory No.:	QC10321
Date of Issue:	2010-02-25
Date Received:	2010-01-22
Date Tested:	2010-01-22
Date Completed:	2010-02-22

QC report:
Sample Duplicate

Parameter	RPD, %	Acceptance
Antimony, %	6	≤20%
Arsenic, %	3	≤20%
Barium, %	3	≤20%
Cadmium, %	N/A	≤20%
Chromium III, %	8	≤20%
Chromium VI, %[2]	N/A	≤35%
Cobalt, %	9	≤20%
Copper, %	4	≤20%
Lead, %	3	≤20%
Manganese, %[2]	N/A	≤35%
Mercury, %	N/A	≤20%
Molybdenum, %	4	≤20%
Nickel, %	6	≤20%
Tin, %	7	≤20%
Zinc, %	4	≤20%
Acetone, %[2]	N/A	≤50%
Benzene, %[2]	N/A	≤50%
Bromodichloromethane, %[2]	N/A	≤50%
2-Butanone, %[2]	N/A	≤50%
Chloroform, %[2]	N/A	≤50%
Ethylbenzene, %[2]	N/A	≤50%
Methyl tert-Butyl Ether, %[2]	N/A	≤50%
Methylene Chloride, %[2]	43	≤50%
Styrene, %[2]	N/A	≤50%
Tetrachloroethene, %[2]	N/A	≤50%
Toluene, %[2]	N/A	≤50%
Trichloroethene, %[2]	N/A	≤50%
Xylenes (Total) , %[2]	N/A	≤50%

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TEST REPORT

Laboratory No.:	QC10321
Date of Issue:	2010-02-25
Date Received:	2010-01-22
Date Tested:	2010-01-22
Date Completed:	2010-02-22

QC report:
Sample Duplicate

Parameter	RPD, %	Acceptance
Acenaphthene, %[2]	N/A	≤50%
Acenaphthylene, %[2]	N/A	≤50%
Anthracene, %[2]	N/A	≤50%
Benzo(a)anthracene, %[2]	N/A	≤50%
Benzo(a)pyrene, %[2]	N/A	≤50%
Benzo(b)fluoranthene, %[2]	N/A	≤50%
Benzo(g,h,i)perylene, %[2]	N/A	≤50%
Benzo(k)fluoranthene, %[2]	N/A	≤50%
bis-(2-Ethylhexyl)phthalate, %[2]	N/A	≤50%
Chrysene, %[2]	N/A	≤50%
Dibenzo(a,h)anthracene, %[2]	N/A	≤50%
Fluoranthene, %[2]	N/A	≤50%
Fluorene, %[2]	N/A	≤50%
Hexachlorobenzene, %[2]	N/A	≤50%
Indeno(1,2,3-cd)pyrene, %[2]	N/A	≤50%
Napthalene, %[2]	N/A	≤50%
Phenanthrene, %[2]	N/A	≤50%
Phenol, %[2]	N/A	≤50%
Pyrene, %[2]	N/A	≤50%
Petroleum Carbon Range (C6-C8), %	N/A	≤20%
Petroleum Carbon Range (C9-C16), %	N/A	≤20%
Petroleum Carbon Range (C17-C35), %	N/A	≤20%

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3) N/A = Not applicable

**********END OF REPORT**********

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TEST REPORT

APPLICANT: **Civil Engineering and Development Department**
23/F, Kwun Tong View,
410 Kwun Tong Road,
Kwoloon, Hong Kong

Laboratory No.:	10321A
Date of Issue:	2010-04-27
Date Received:	2010-01-22
Date Tested:	2010-04-08
Date Completed:	2010-04-27
Page:	1 of 2

ATTN: **Mr. Alex Fung**

Contract No. : GP/CBT/2009/03
Provision of Chemical Testing Service for Various Government Projects

Service Order No. : GP/CBT/2009/03.03B
Agreement No. CE 61/2007 (CE)
North East New Territories New Development Area
Planning and Engineering Study Investigation
Request for Laboratory Chemical Testing Service
for Land Contamination Impact Assessment (Sites No. KTN-35a)

Sample Description : 2 samples as received by customer said to be Soil for Toxicity Characteristic Leaching Procedure (TCLP) testing

Sampling Date : 2010-01-21

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
1	Cadmium	In-house method SOP053 (ICP-ES)& In-house method SOP093 & SOP094 (ICPMS)	0.5 µg/L
2	Chromium		1.0 µg/L
3	Copper		1.0 µg/L
4	Nickel		1.0 µg/L
5	Lead		1.0 µg/L
6	Zinc		2.0 µg/L
7	Mercury		1.0 µg/L
8	Tin		1.0 µg/L
9	Silver		1.0 µg/L
10	Antimony		1.0 µg/L
11	Arsenic		1.0 µg/L
12	Beryllium		1.0 µg/L
13	Thallium		1.0 µg/L
14	Vanadium		1.0 µg/L
15	Selenium		1.0 µg/L
16	Barium		1.0 µg/L

****

PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

Patrick Tse
PATRICK TSE
Laboratory Manager

WELLAB 匯力 Testing & Research

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TEST REPORT

Laboratory No.:	10321A
Date of Issue:	2010-04-27
Date Received:	2010-01-22
Date Tested:	2010-04-08
Date Completed:	2010-04-27

Results:

Sample ID	KTN-35a-1 (1.0m)	KTN-35a-2 (1.3m)
Sample Number	10321-2	10321-6
Cadmium, μg/L	<0.5	<0.5
Chromium, μg/L	<1	<1
Copper, μg/L	<1	<1
Nickel, μg/L	<1	<1
Lead, μg/L	<1	<1
Zinc, μg/L	<1	<1
Mercury, μg/L	<1	<1
Tin, μg/L	<1	<1
Silver, μg/L	<1	<1
Antimony, μg/L	<1	<1
Arsenic, μg/L	<1	<1
Beryllium, μg/L	<1	<1
Thallium, μg/L	<1	<1
Vanadium, μg/L	<1	<1
Selenium, μg/L	<1	<1
Barium, μg/L	<1	<1

Remark: 1) < = less than

**********END OF REPORT**********

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TEST REPORT

APPLICANT: **Civil Engineering and Development Department**
23/F, Kwun Tong View,
410 Kwun Tong Road,
Kwoloon, Hong Kong

ATTN: **Mr. Alex Fung**

Laboratory No.:	QC10321A
Date of Issue:	2010-04-27
Date Received:	2010-01-22
Date Tested:	2010-04-08
Date Completed:	2010-04-27
Page:	1 of 4

QC report:
Method Blank

Parameter	Method Blank	Acceptance
Cadmium, μg/L	<0.1	<0.1
Chromium, μg/L	<0.2	<0.2
Copper, μg/L	<0.2	<0.2
Nickel, μg/L	<0.2	<0.2
Lead, μg/L	<0.2	<0.2
Zinc, μg/L	<0.4	<0.4
Mercury, μg/L	<0.2	<0.2
Tin, μg/L	<0.2	<0.2
Silver, μg/L	<0.2	<0.2
Antimony, μg/L	<0.2	<0.2
Arsenic, μg/L	<0.2	<0.2
Beryllium, μg/L	<0.2	<0.2
Thallium, μg/L	<0.2	<0.2
Vanadium, μg/L	<0.2	<0.2
Selenium, μg/L	<0.2	<0.2
Barium, μg/L	<0.2	<0.2

Remark: 1) < = less than
2) N/A = Not applicable

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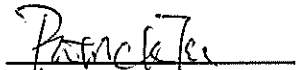
PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**



PATRICK TSE
Laboratory Manager

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TEST REPORT

Laboratory No.:	QC10321A
Date of Issue:	2010-04-27
Date Received:	2010-01-22
Date Tested:	2010-04-08
Date Completed:	2010-04-27

QC report:
Method QC

Parameter	Method QC, %	Acceptance
Cadmium, %	93	80-120%
Chromium, %	101	80-120%
Copper, %	98	80-120%
Nickel, %	94	80-120%
Lead, %	100	80-120%
Zinc, %	95	80-120%
Mercury, %	96	80-120%
Tin, %	95	80-120%
Silver, %	91	80-120%
Antimony, %	98	80-120%
Arsenic, %	101	80-120%
Beryllium, %	99	80-120%
Thallium, %	98	80-120%
Vanadium, %	94	80-120%
Selenium, %	95	80-120%
Barium, %	99	80-120%

Remark: 1) < = less than

2) N/A = Not applicable

****

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TEST REPORT

Laboratory No.:	QC10321A
Date of Issue:	2010-04-27
Date Received:	2010-01-22
Date Tested:	2010-04-08
Date Completed:	2010-04-27

QC report:
Sample Spike

Parameter	Spike Recovery, %	Acceptance
Cadmium, %	106	80-120%
Chromium, %	95	80-120%
Copper, %	100	80-120%
Nickel, %	103	80-120%
Lead, %	101	80-120%
Zinc, %	103	80-120%
Mercury, %	96	80-120%
Tin, %	97	80-120%
Silver, %	93	80-120%
Antimony, %	97	80-120%
Arsenic, %	93	80-120%
Beryllium, %	96	80-120%
Thallium, %	102	80-120%
Vanadium, %	98	80-120%
Selenium, %	96	80-120%
Barium, %	96	80-120%

Remark: 1) < = less than
2) N/A = Not applicable

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TEST REPORT

Laboratory No.:	QC10321A
Date of Issue:	2010-04-27
Date Received:	2010-01-22
Date Tested:	2010-04-08
Date Completed:	2010-04-27

QC report:
Sample Duplicate

Parameter	RPD, %	Acceptance
Cadmium, %	N/A	RPD ≤ 20%
Chromium, %	N/A	RPD ≤ 20%
Copper, %	N/A	RPD ≤ 20%
Nickel, %	N/A	RPD ≤ 20%
Lead, %	N/A	RPD ≤ 20%
Zinc, %	N/A	RPD ≤ 20%
Mercury, %	N/A	RPD ≤ 20%
Tin, %	N/A	RPD ≤ 20%
Silver, %	N/A	RPD ≤ 20%
Antimony, %	N/A	RPD ≤ 20%
Arsenic, %	N/A	RPD ≤ 20%
Beryllium, %	N/A	RPD ≤ 20%
Thallium, %	N/A	RPD ≤ 20%
Vanadium, %	N/A	RPD ≤ 20%
Selenium, %	N/A	RPD ≤ 20%
Barium, %	N/A	RPD ≤ 20%

Remark: 1) < = less than
2) N/A = Not applicable

**********END OF REPORT**********