BOREHOLE LOG

CLIENT: Stamford Property Services Pty Ltd
PROJECT: Macquarie Village
LOCATION: 110-114 Herring Road, Macquarie Park

SURFACE LEVEL: 67.9 AHD
EASTING:
NORTHING:
DIP/AZIMUTH: 90°/--

BORE No: 114
PROJECT No: 72138
DATE: 14/12/2010
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Degree of Weathering (EW HW MW SW FS FR)	Graphic Log	Rock Strength (Ex Low, Very Low, Low, Medium, High, Very High, Ex High)	Water	Fracture Spacing (m) (0.01, 0.05, 0.10, 0.50, 1.00)	Discontinuities (B - Bedding J - Joint S - Shear F - Fault)	Sampling & In Situ Testing: Type	Core Rec. %	RQD %	Test Results & Comments
	0.17	CONCRETE - 170mm thick										
		SANDY CLAY - orange brown and red, sandy clay (possible filling)						Note: Unless otherwise stated, rock is fractured along rough planar bedding planes dipping between 0°- 10°	A/E			
67	0.95 / 1.0	SANDSTONE - weathered sandstone							A			
		SANDSTONE - medium strength, moderately to slightly weathered, slightly fractured, purple-red and light grey, medium to coarse grained sandstone with indistinct cross beds						1m: J80°, pl, ro, cln	C	100	100	PL(A) = 0.5
66	2								C	100	99	PL(A) = 0.7
65	3							2.44m: Cs, 6mm				
64	4								C	100	100	PL(A) = 0.8
												PL(A) = 0.8
63	5								C	91	89	
	5.5	SANDSTONE - high strength, moderately weathered then slightly weathered to fresh, slightly fractured and unbroken, orange and light orange-grey, medium to coarse grained, massive sandstone										PL(A) = 1.2
62	6 / 6.05							5.92m: CORE LOSS: 130mm				
61	7								C	100	100	PL(A) = 1
60	8								C	100	100	PL(A) = 1.5
												PL(A) = 1
59	9								C	100	100	
58	10 / 10.0											PL(A) = 1.2

Bore discontinued at 10.0m

RIG: Underpinner **DRILLER:** LC **LOGGED:** PGH **CASING:** NQ to 1.0m

TYPE OF BORING: Solid flight auger (TC-bit) to 1.0m; NMLC-Coring to 10.0m

WATER OBSERVATIONS: No free groundwater observed whilst augering

REMARKS:

SURVEY DATUM:

SAMPLING & IN SITU TESTING LEGEND

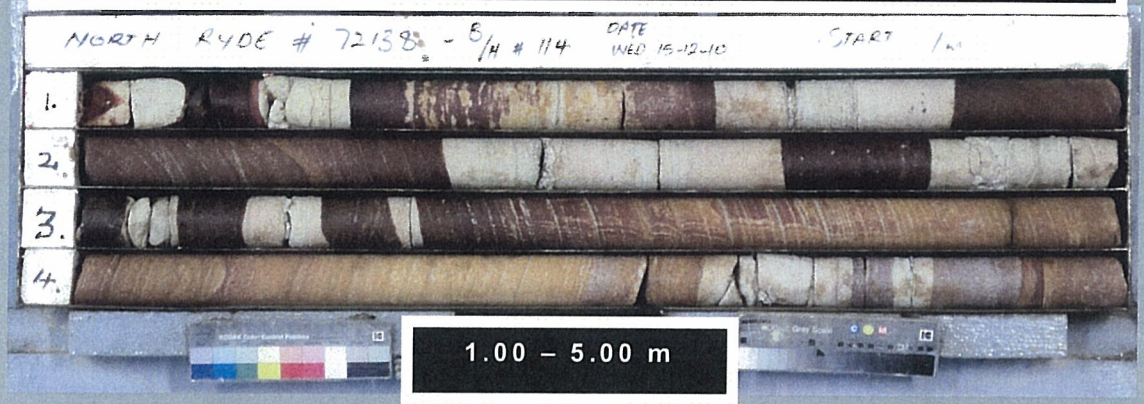
A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▽	Water level	V	Shear vane (kPa)

Douglas Partners
Geotechnics / Environment / Groundwater

DOUGLAS PARTNERS PTY LTD

MACQUARIE VILLAGE

BORE 114 PROJECT 72138 22 DECEMBER 2010

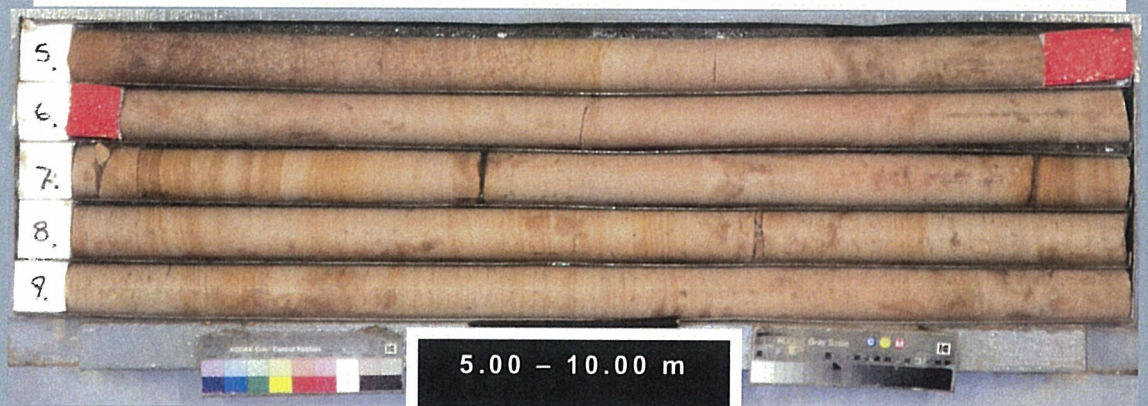


1.00 – 5.00 m

DOUGLAS PARTNERS PTY LTD

MACQUARIE VILLAGE

BORE 114 PROJECT 72138 22 DECEMBER 2010



5.00 – 10.00 m

BOREHOLE LOG

CLIENT: Stamford Property Services Pty Ltd
PROJECT: Macquarie Village
LOCATION: 110-114 Herring Road, Macquarie Park

SURFACE LEVEL: 66.3 AHD
EASTING:
NORTHING:
DIP/AZIMUTH: 90°/--

BORE No: 115
PROJECT No: 72138
DATE: 15/12/2010
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Degree of Weathering (EW HW MW SW FS FR)	Graphic Log	Rock Strength (Ex Low, Very Low, Low, Medium, High, Very High, Ex High)	Water	Fracture Spacing (m) (0.01, 0.05, 0.10, 0.50, 1.00)	Discontinuities (B - Bedding J - Joint S - Shear F - Fault)	Sampling & In Situ Testing: Type	Core Rec. %	RQD %	Test Results & Comments
66	0.18	CONCRETE - 180mm thick						Note: Unless otherwise stated, rock is fractured along rough planar bedding planes dipping between 0°- 10°	A/E			
	0.25	FILLING - roadbase gravel filling										
	0.4	SANDY CLAY - orange brown sandy clay							A/E			
	0.5	SANDSTONE - weathered sandstone						0.57m: J45°, pl, ro				
65	1	SANDSTONE - medium and high strength, moderately to slightly weathered, slightly fractured then unbroken, purple orange red and light grey, medium to coarse grained sandstone						1.06m: Cs, 2°, 10mm	C	100	93	PL(A) = 1.2
												PL(A) = 0.6
64	2								C	100	100	
								2.58m: Cs, 4°, 5mm				PL(A) = 1.1
63	3											
	4								C	100	100	PL(A) = 1.1
62	5											PL(A) = 1.4
									C	100	100	PL(A) = 1.2
61	6											
	6.5	SANDSTONE - medium strength, fresh, unbroken, light grey, medium to coarse grained sandstone						6.43m: B12°, pl, ro				
60	7								C	100	91	PL(A) = 1
												PL(A) = 0.7
59	8											
									C	100	100	PL(A) = 0.9
58	9											
57									C	100	100	PL(A) = 0.9
	10	10.0										

Bore discontinued at 10.0m

RIG: Underpinner **DRILLER:** LC **LOGGED:** PGH **CASING:** HQ to 0.50m

TYPE OF BORING: Solid flight auger (TC-bit) to 0.50m; NMLC-Coring to 10.0m

WATER OBSERVATIONS: No free groundwater observed whilst augering

REMARKS:

SURVEY DATUM:

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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DOUGLAS PARTNERS PTY LTD
MACQUARIE VILLAGE
BORE 115 PROJECT 72138 22 DECEMBER 2010
NORTH RYDE #72138 - B/H# 115 DATE 15-12-10 START 0.5m
1.
2.
3.
4.
0.50-5.00 m

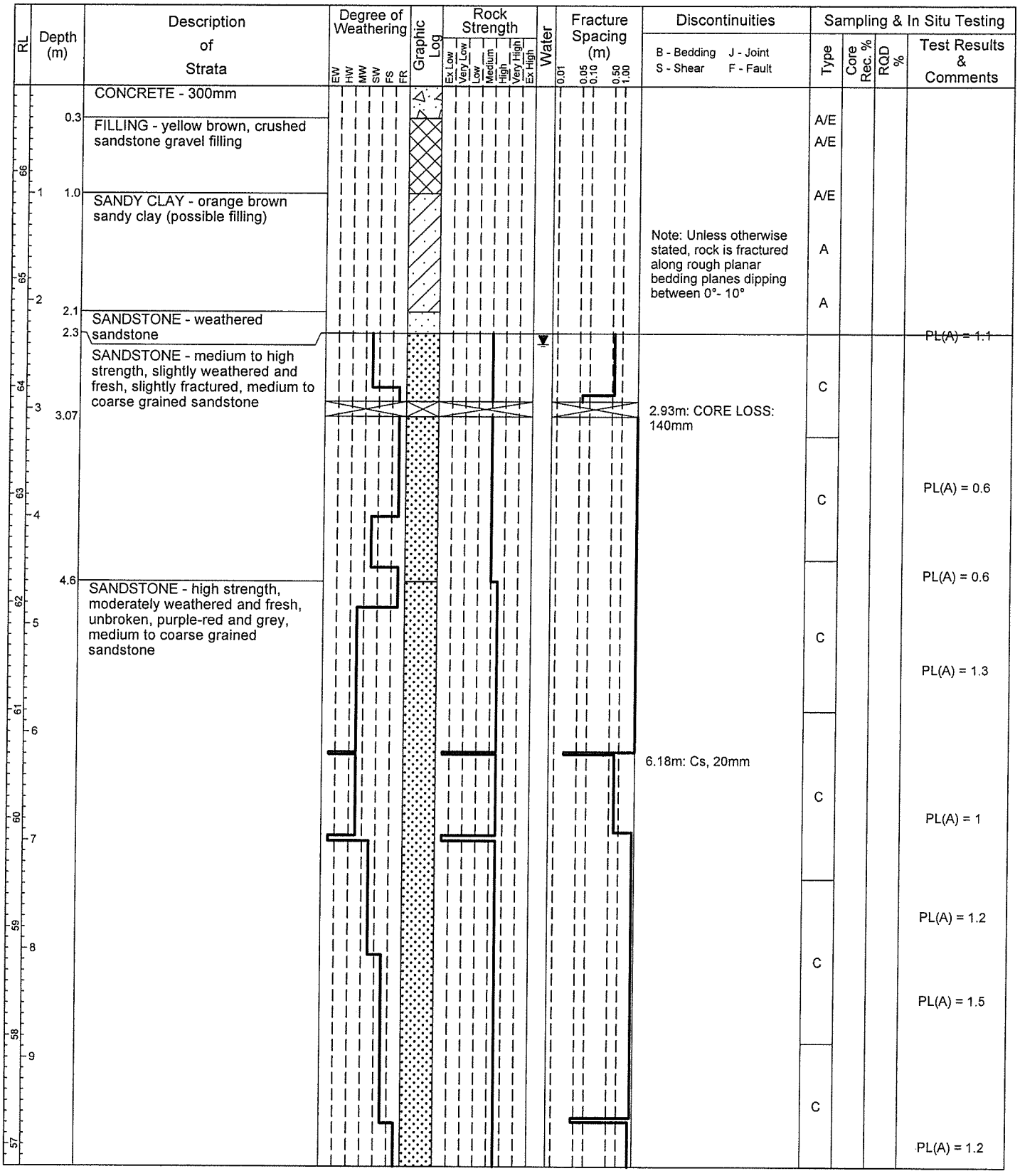

DOUGLAS PARTNERS PTY LTD
MACQUARIE VILLAGE
BORE 115 PROJECT 72138 22 DECEMBER 2010
5
6
7
8
9
5.00-10.00 m

BOREHOLE LOG

CLIENT: Stamford Property Services Pty Ltd
PROJECT: Macquarie Village
LOCATION: 110-114 Herring Road, Macquarie Park

SURFACE LEVEL: 66.8 AHD
EASTING:
NORTHING:
DIP/AZIMUTH: 90°/--

BORE No: 116
PROJECT No: 72138
DATE: 16/12/2010
SHEET 1 OF 2



RIG: Underpinner **DRILLER:** LC **LOGGED:** PGH **CASING:** HW to 2.30m

TYPE OF BORING: Diatube to 0.2m; Solid flight auger (TC-bit) to 2.30m; NMLC-Coring to 11.84m

WATER OBSERVATIONS: No free groundwater observed whilst augering

REMARKS: Standpipe installed to 11.8m; Water level measured at 2.4m on 20/12/10, 2.6m on 22/12/10 and 2.7m on 11/1/11

SURVEY DATUM:

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U,	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: Stamford Property Services Pty Ltd
PROJECT: Macquarie Village
LOCATION: 110-114 Herring Road, Macquarie Park

SURFACE LEVEL: 66.8 AHD
EASTING:
NORTHING:
DIP/AZIMUTH: 90°/--

BORE No: 116
PROJECT No: 72138
DATE: 16/12/2010
SHEET 2 OF 2

RL	Depth (m)	Description of Strata	Degree of Weathering (EW HW MW SW FS FR)	Graphic Log	Rock Strength (Ex Low, Very Low, Low, Medium, High, Very High, Ex High)	Water	Fracture Spacing (m) (0.01, 0.05, 0.10, 0.50, 1.00)	Discontinuities (B - Bedding J - Joint S - Shear F - Fault)	Sampling & In Situ Testing: Type	Core Rec. %	RQD %	Test Results & Comments
56	11	SANDSTONE - high strength, moderately weathered and fresh, unbroken, purple-red and grey, medium to coarse grained sandstone *(continued)*							C			PL(A) = 1.1
									C			PL(A) = 1.7
55	11.84	Bore discontinued at 11.84m										
	12											
54	13											
53	14											
52	15											
51	16											
50	17											
49	18											
48	19											
47												

RIG: Underpinner **DRILLER:** LC **LOGGED:** PGH **CASING:** HW to 2.30m

TYPE OF BORING: Diatube to 0.2m; Solid flight auger (TC-bit) to 2.30m; NMLC-Coring to 11.84m

WATER OBSERVATIONS: No free groundwater observed whilst augering

REMARKS: Standpipe installed to 11.8m; Water level measured at 2.4m on 20/12/10, 2.6m on 22/12/10 and 2.7m on 11/1/11

SURVEY DATUM:

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▽	Water level	V	Shear vane (kPa)

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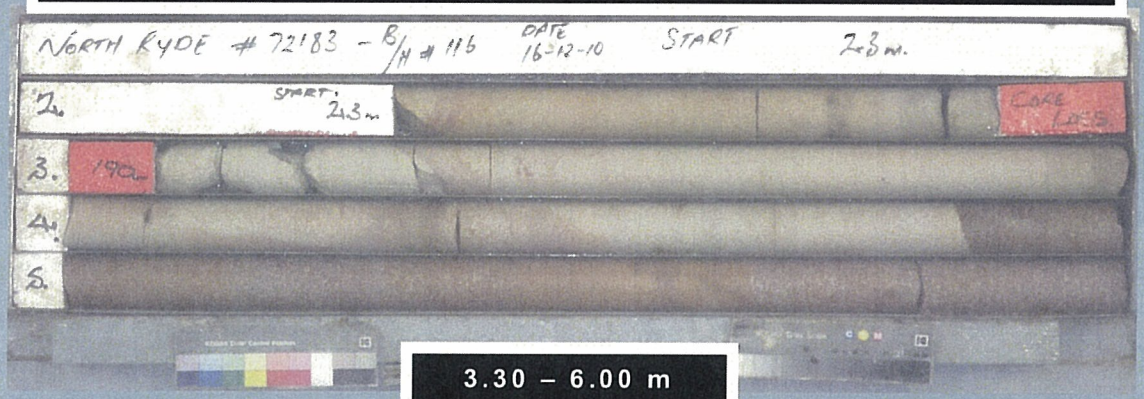
DOUGLAS PARTNERS PTY LTD

MACQUARIE VILLAGE

BORE 116 PROJECT 72138 16 DECEMBER 2010



3.30 – 6.00 m

DOUGLAS PARTNERS PTY LTD

MACQUARIE VILLAGE

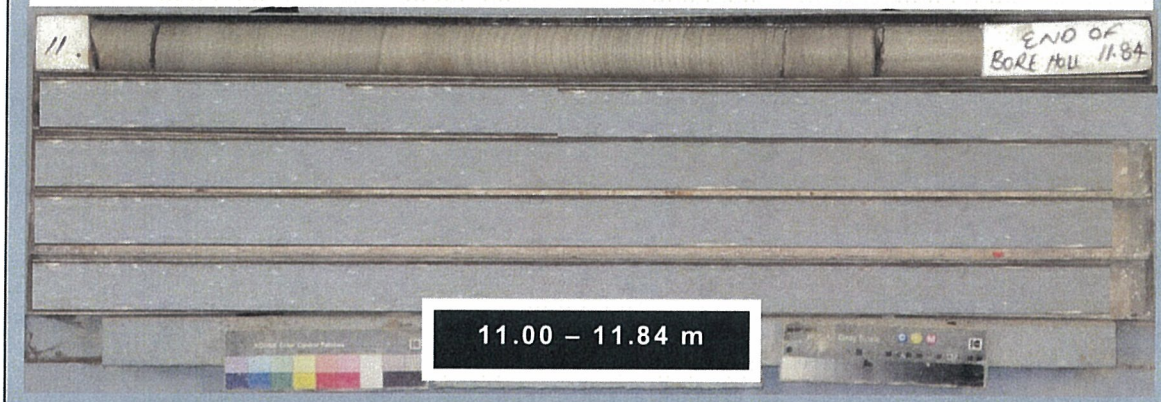
BORE 116 PROJECT 72138 16 DECEMBER 2010

6.00 – 11.00 m

DOUGLAS PARTNERS PTY LTD

MACQUARIE VILLAGE

BORE 116 PROJECT 72138 16 DECEMBER 2010



11.00 – 11.84 m

Appendix C

Results of Previous Field Work

TEST BORE REPORT

CLIENT: STAMFORD PROPERTY SERVICES
PROJECT: STAMFORD HOTEL EXTENSION
LOCATION: CNR EPPING & HERRING RDS, NORTH RYDE

DATE: 26 OCTOBER 99
PROJECT No.: 28604
SURFACE LEVEL: RL 69.41

BORE No. 1
SHEET 1 OF 1

Depth m	Description of Strata	Sampling & In Situ Testing: Type	Depth (m)	Test Results	Core Recovery %
0	FILLING – brown gravelly silty sand filling with some twigs				
0.4	SILTY CLAY – stiff, orange brown silty clay	A	0.5	pp=175kPa	
0.9	SANDY CLAY – orange brown and red brown sandy clay	A	1.0		
1.1	SANDSTONE – low strength, orange and light grey, fine to medium grained sandstone				
1.5	SANDSTONE – medium strength, light grey, fine to medium grained sandstone	A	1.5		
2.0	TEST BORE DISCONTINUED AT 2.0 METRES	A	2.0		
3					

RIG: PENGO **DRILLER:** ROBAR **LOGGED:** HUGO **CASING:**
TYPE OF BORING: 300mm DIAMETER SPIRAL FLIGHT AUGER
GROUND WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED
REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A Auger sample	M Moisture content (%)
B Bulk sample	pp Pocket Penetration (kPa)
D Disturbed sample	Ux x mm dia. tube
HV Hand Vane	Wp Plasitc limit (%)

CHECKED:
Initials: KAH
Date: 28/10

Douglas Partners
Geotechnics · Environment · Groundwater

TEST BORE REPORT

CLIENT: STAMFORD PROPERTY SERVICES
PROJECT: STAMFORD HOTEL EXTENSION
LOCATION: CNR EPPING & HERRING RDS, NORTH RYDE

DATE: 26 OCTOBER 99
PROJECT No.: 28604
SURFACE LEVEL: RL 67.89

BORE No. 2
SHEET 1 **OF** 1

Depth m	Description of Strata	Sampling & In Situ Testing: Type	Depth (m)	Test Results	Core Recovery %
0	FILLING – grey brown gravelly silty sand filling				
0.5	SILTY CLAY – stiff, orange and red brown silty clay with a trace of sand	A	0.5		
			0.9*	pp=175kPa	
1.1	SANDSTONE – low strength, orange brown and light grey, fine to medium grained sandstone	A	1.1		
		A	1.5		
1.8	SANDSTONE – medium strength, orange brown, fine to medium grained sandstone – ironstone band at 1.9m				
2.1	TEST BORE DISCONTINUED AT 2.1 METRES – auger refusal on ironstone layer				
3					

RIG: PENGO **DRILLER:** ROBAR **LOGGED:** HUGO **CASING:**

TYPE OF BORING: 300mm DIAMETER SPIRAL FLIGHT AUGER

GROUND WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED

REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A Auger sample	M Moisture content (%)
B Bulk sample	pp Pocket Penetration (kPa)
D Disturbed sample	Ux x mm dia. tube
HV Hand Vane	Wp Plasitc limit (%)

CHECKED:
Initials: KAM
Date: 28/10

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TEST BORE REPORT

CLIENT: STAMFORD PROPERTY SERVICES
PROJECT: STAMFORD HOTEL EXTENSION
LOCATION: CNR EPPING & HERRING RDS, NORTH RYDE

DATE: 26 OCTOBER 99
PROJECT No.: 28604
SURFACE LEVEL: RL 68.99

BORE No. 3
SHEET 1 **OF** 1

Depth m	Description of Strata	Sampling & In Situ Testing: Type	Depth (m)	Test Results	Core Recovery %
0	FILLING – dark grey brown clayey silty sand filling with some gravel				
0.5	SANDY CLAY – stiff, orange brown sandy clay	A	0.5		
1.0	SANDSTONE – low strength, orange brown and light grey sandstone with some ironstone bands	A	1.0		
		A	1.7		
	– ironstone band at 1.9m				
2.1	TEST BORE DISCONTINUED AT 2.1 METRES – auger refusal on ironstone layer	A	2.1		
3					

RIG: PENGO **DRILLER:** ROBAR **LOGGED:** HUGO **CASING:**
TYPE OF BORING: 300mm DIAMETER SPIRAL FLIGHT AUGER
GROUND WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED
REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A Auger sample	M Moisture content (%)
B Bulk sample	pp Pocket Penetration (kPa)
D Disturbed sample	Ux x mm dia. tube
HV Hand Vane	Wp Plasitc limit (%)

CHECKED:
Initials: KAH
Date: 28/10

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TEST BORE REPORT

CLIENT: STAMFORD PROPERTY SERVICES
PROJECT: STAMFORD HOTEL EXTENSION
LOCATION: CNR EPPING & HERRING RDS, NORTH RYDE

DATE: 26 OCTOBER 99
PROJECT No.: 28604
SURFACE LEVEL: RL 66.74

BORE No. 4
SHEET 1 OF 1

Depth m	Description of Strata	Sampling & In Situ Testing: Type	Depth (m)	Test Results	Core Recovery %
0	TOPSOIL – dark brown grey silty sand				
0.1	FILLING – brown gravelly silty sand filling				
0.4	SILTY SANDY CLAY – orange brown silty sandy clay	A	0.5		
0.9	SANDY CLAY – stiff, light grey sandy clay with some ironstone gravel (extremely weathered sandstone)	A	1.5		
1	– medium strength ironstone band at 1.6m				
1.7	SANDSTONE – medium strength, light grey, fine to medium grained sandstone	A	1.8		
2 2.0	TEST BORE DISCONTINUED AT 2.0 METRES – auger refusal	A	2.0		
3					

RIG: PENGO **DRILLER:** ROBAR **LOGGED:** HUGO **CASING:**

TYPE OF BORING: 300mm DIAMETER SPIRAL FLIGHT AUGER

GROUND WATER OBSERVATIONS: NO FREE GROUNDWATER OBSERVED

REMARKS: ORGANIC? ODOUR IN CLAY AT 1.5m

SAMPLING & IN SITU TESTING LEGEND	
A Auger sample	M Moisture content (%)
B Bulk sample	pp Pocket Penetration (kPa)
D Disturbed sample	Ux x mm dia. tube
HV Hand Vane	Wp Plasitc limit (%)

CHECKED:
Initials: KAH
Date: 28/10

Douglas Partners
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Appendix D

Results of Laboratory Tests

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
enquiries@envirolabservices.com.au
www.envirolabservices.com.au

CERTIFICATE OF ANALYSIS 50196

Client:
Douglas Partners
96 Hermitage Rd
West Ryde
NSW 2114

Attention: Gavin Boyd

Sample log in details:

Your Reference:	**72138, Macquarie Village**
No. of samples:	19 Soils
Date samples received:	24/12/2010
Date completed instructions received:	24/12/2010

Analysis Details:
Please refer to the following pages for results, methodology summary and quality control data.
Samples were analysed as received from the client. Results relate specifically to the samples as received.
Results are reported on a dry weight basis for solids and on an as received basis for other matrices.
Please refer to the last page of this report for any comments relating to the results.

Report Details:

Date results requested by:	6/01/11
Date of Preliminary Report:	Not issued
Issue Date:	6/01/11

NATA accreditation number 2901. This document shall not be reproduced except in full.
This document is issued in accordance with NATA's accreditation requirements.
Accredited for compliance with ISO/IEC 17025.
Tests not covered by NATA are denoted with *.

Results Approved By:

Matt Mansfield
Approved Signatory

Rhian Morgan
Reporting Supervisor

Nancy Zhang
Chemist

Nick Sarlamis
Inorganics Supervisor

Jacinta Hurst
Laboratory Manager

ACCREDITED FOR TECHNICAL COMPETENCE

Envirolab Reference: 50196
Revision No: R 00

vTRH & BTEX in Soil						
Our Reference:	UNITS	50196-1	50196-2	50196-3	50196-4	50196-5
Your Reference	----------	101/1.0-1.4	102/0.1-0.2	102/0.5-0.6	102/1.0-1.1	103/0.1-0.2
Date Sampled	----------	20/12/2010	20/12/2010	20/12/2010	20/12/2010	20/12/2010
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	05/01/2011	05/01/2011	05/01/2011	05/01/2011	05/01/2011
vTRH C_6 - C_9	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
m+p-xylene	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0
o-Xylene	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Surrogate aaa-Trifluorotoluene	%	110	117	118	116	126

vTRH & BTEX in Soil						
Our Reference:	UNITS	50196-6	50196-7	50196-8	50196-9	50196-10
Your Reference	----------	104/0.1-0.2	107/0.1-0.2	107/0.5-0.6	109/0.1-0.2	109/0.5-0.6
Date Sampled	----------	20/12/2010	20/12/2010	20/12/2010	20/12/2010	20/12/2010
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	05/01/2011	05/01/2011	05/01/2011	05/01/2011	05/01/2011
vTRH C_6 - C_9	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
m+p-xylene	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0
o-Xylene	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Surrogate aaa-Trifluorotoluene	%	120	127	117	117	119

vTRH & BTEX in Soil						
Our Reference:	UNITS	50196-11	50196-12	50196-13	50196-14	50196-15
Your Reference	----------	110/0.1-0.2	110/0.5-0.6	111/0.2-0.3	111/0.5-0.6	112/0.1-0.2
Date Sampled	----------	20/12/2010	20/12/2010	9/12/2010	9/12/2010	20/12/2010
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	05/01/2011	05/01/2011	05/01/2011	05/01/2011	05/01/2011
vTRH C_6 - C_9	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
m+p-xylene	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0
o-Xylene	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Surrogate aaa-Trifluorotoluene	%	110	121	126	123	130

vTRH & BTEX in Soil				
Our Reference:	UNITS	50196-16	50196-17	50196-18
Your Reference	----------	115/0.1-0.2	116/0.3-0.4	116/1.0-1.1
Date Sampled	----------	16/12/2010	17/12/2010	17/12/2010
Type of sample		Soil	Soil	Soil
Date extracted	-	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	05/01/2011	05/01/2011	05/01/2011
vTRH C_6 - C_9	mg/kg	<25	<25	<25
Benzene	mg/kg	<0.5	<0.5	<0.5
Toluene	mg/kg	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1.0	<1.0	<1.0
m+p-xylene	mg/kg	<2.0	<2.0	<2.0
o-Xylene	mg/kg	<1.0	<1.0	<1.0
Surrogate aaa-Trifluorotoluene	%	122	127	119

sTRH in Soil (C10-C36)						
Our Reference:	UNITS	50196-1	50196-2	50196-3	50196-4	50196-5
Your Reference	----------	101/1.0-1.4	102/0.1-0.2	102/0.5-0.6	102/1.0-1.1	103/0.1-0.2
Date Sampled	----------	20/12/2010	20/12/2010	20/12/2010	20/12/2010	20/12/2010
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	05/01/2011	05/01/2011	05/01/2011	05/01/2011	05/01/2011
TRH C_{10} - C_{14}	mg/kg	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	mg/kg	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	mg/kg	<100	<100	<100	<100	<100
Surrogate o-Terphenyl	%	104	109	93	95	95

sTRH in Soil (C10-C36)						
Our Reference:	UNITS	50196-6	50196-7	50196-8	50196-9	50196-10
Your Reference	----------	104/0.1-0.2	107/0.1-0.2	107/0.5-0.6	109/0.1-0.2	109/0.5-0.6
Date Sampled	----------	20/12/2010	20/12/2010	20/12/2010	20/12/2010	20/12/2010
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	05/01/2011	05/01/2011	05/01/2011	05/01/2011	05/01/2011
TRH C_{10} - C_{14}	mg/kg	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	mg/kg	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	mg/kg	<100	<100	<100	<100	<100
Surrogate o-Terphenyl	%	94	95	94	94	94

sTRH in Soil (C10-C36)						
Our Reference:	UNITS	50196-11	50196-12	50196-13	50196-14	50196-15
Your Reference	----------	110/0.1-0.2	110/0.5-0.6	111/0.2-0.3	111/0.5-0.6	112/0.1-0.2
Date Sampled	----------	20/12/2010	20/12/2010	9/12/2010	9/12/2010	20/12/2010
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	05/01/2011	05/01/2011	05/01/2011	05/01/2011	05/01/2011
TRH C_{10} - C_{14}	mg/kg	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	mg/kg	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	mg/kg	<100	<100	<100	<100	<100
Surrogate o-Terphenyl	%	99	96	96	94	93

sTRH in Soil (C10-C36)				
Our Reference:	UNITS	50196-16	50196-17	50196-18
Your Reference	----------	115/0.1-0.2	116/0.3-0.4	116/1.0-1.1
Date Sampled	----------	16/12/2010	17/12/2010	17/12/2010
Type of sample		Soil	Soil	Soil
Date extracted	-	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	05/01/2011	05/01/2011	05/01/2011
TRH C_{10} - C_{14}	mg/kg	<50	<50	<50
TRH C_{15} - C_{28}	mg/kg	<100	<100	<100
TRH C_{29} - C_{36}	mg/kg	<100	<100	<100
Surrogate o-Terphenyl	%	96	95	94

PAHs in Soil Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	50196-1 101/1.0-1.4 20/12/2010 Soil	50196-2 102/0.1-0.2 20/12/2010 Soil	50196-3 102/0.5-0.6 20/12/2010 Soil	50196-4 102/1.0-1.1 20/12/2010 Soil	50196-5 103/0.1-0.2 20/12/2010 Soil
Date extracted	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b+k)fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d_{14}	%	106	103	101	99	101

PAHs in Soil Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	50196-6 104/0.1-0.2 20/12/2010 Soil	50196-7 107/0.1-0.2 20/12/2010 Soil	50196-8 107/0.5-0.6 20/12/2010 Soil	50196-9 109/0.1-0.2 20/12/2010 Soil	50196-10 109/0.5-0.6 20/12/2010 Soil
Date extracted	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b+k)fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d_{14}	%	102	102	101	98	102

PAHs in Soil Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	50196-11 110/0.1-0.2 20/12/2010 Soil	50196-12 110/0.5-0.6 20/12/2010 Soil	50196-13 111/0.2-0.3 9/12/2010 Soil	50196-14 111/0.5-0.6 9/12/2010 Soil	50196-15 112/0.1-0.2 20/12/2010 Soil
Date extracted	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.3	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	0.3	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.2	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	0.2	<0.1	<0.1	<0.1	<0.1
Benzo(b+k)fluoranthene	mg/kg	0.4	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	mg/kg	0.2	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	0.2	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	0.2	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	106	109	106	100	102

PAHs in Soil Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	50196-16 115/0.1-0.2 16/12/2010 Soil	50196-17 116/0.3-0.4 17/12/2010 Soil	50196-18 116/1.0-1.1 17/12/2010 Soil
Date extracted	-	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	04/01/2011	04/01/2011	04/01/2011
Naphthalene	mg/kg	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	1.2	<0.1
Anthracene	mg/kg	<0.1	0.3	<0.1
Fluoranthene	mg/kg	<0.1	2.4	<0.1
Pyrene	mg/kg	<0.1	2.0	<0.1
Benzo(a)anthracene	mg/kg	<0.1	0.9	<0.1
Chrysene	mg/kg	<0.1	1.0	<0.1
Benzo(b+k)fluoranthene	mg/kg	<0.2	1.4	<0.2
Benzo(a)pyrene	mg/kg	<0.05	0.9	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	0.5	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	0.4	<0.1
Surrogate p-Terphenyl-d14	%	103	104	103

Organochlorine Pesticides in soil Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	50196-1 101/1.0-1.4 20/12/2010 Soil	50196-2 102/0.1-0.2 20/12/2010 Soil	50196-3 102/0.5-0.6 20/12/2010 Soil	50196-4 102/1.0-1.1 20/12/2010 Soil	50196-5 103/0.1-0.2 20/12/2010 Soil
Date extracted	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCLMX	%	121	111	116	112	112

Organochlorine Pesticides in soil						
Our Reference:	UNITS	50196-6	50196-7	50196-8	50196-9	50196-10
Your Reference	----------	104/0.1-0.2	107/0.1-0.2	107/0.5-0.6	109/0.1-0.2	109/0.5-0.6
Date Sampled	----------	20/12/2010	20/12/2010	20/12/2010	20/12/2010	20/12/2010
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCLMX	%	112	111	105	111	114

Organochlorine Pesticides in soil Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	50196-11 110/0.1-0.2 20/12/2010 Soil	50196-12 110/0.5-0.6 20/12/2010 Soil	50196-13 111/0.2-0.3 9/12/2010 Soil	50196-14 111/0.5-0.6 9/12/2010 Soil	50196-15 112/0.1-0.2 20/12/2010 Soil
Date extracted	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCLMX	%	107	114	117	115	112

Organochlorine Pesticides in soil Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	50196-16 115/0.1-0.2 16/12/2010 Soil	50196-17 116/0.3-0.4 17/12/2010 Soil	50196-18 116/1.0-1.1 17/12/2010 Soil
Date extracted	-	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	04/01/2011	04/01/2011	04/01/2011
HCB	mg/kg	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1
Surrogate TCLMX	%	112	115	114

Organophosphorus Pesticides Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	50196-1 101/1.0-1.4 20/12/2010 Soil	50196-2 102/0.1-0.2 20/12/2010 Soil	50196-3 102/0.5-0.6 20/12/2010 Soil	50196-4 102/1.0-1.1 20/12/2010 Soil	50196-5 103/0.1-0.2 20/12/2010 Soil
Date extracted	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCLMX	%	121	111	116	112	112

Organophosphorus Pesticides Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	50196-6 104/0.1-0.2 20/12/2010 Soil	50196-7 107/0.1-0.2 20/12/2010 Soil	50196-8 107/0.5-0.6 20/12/2010 Soil	50196-9 109/0.1-0.2 20/12/2010 Soil	50196-10 109/0.5-0.6 20/12/2010 Soil
Date extracted	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCLMX	%	112	111	105	111	114

Organophosphorus Pesticides Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	50196-11 110/0.1-0.2 20/12/2010 Soil	50196-12 110/0.5-0.6 20/12/2010 Soil	50196-13 111/0.2-0.3 9/12/2010 Soil	50196-14 111/0.5-0.6 9/12/2010 Soil	50196-15 112/0.1-0.2 20/12/2010 Soil
Date extracted	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCLMX	%	107	114	117	115	112

Organophosphorus Pesticides Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	50196-16 115/0.1-0.2 16/12/2010 Soil	50196-17 116/0.3-0.4 17/12/2010 Soil	50196-18 116/1.0-1.1 17/12/2010 Soil
Date extracted	-	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	04/01/2011	04/01/2011	04/01/2011
Diazinon	mg/kg	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1
Surrogate TCLMX	%	112	115	114

PCBs in Soil Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	50196-1 101/1.0-1.4 20/12/2010 Soil	50196-2 102/0.1-0.2 20/12/2010 Soil	50196-3 102/0.5-0.6 20/12/2010 Soil	50196-4 102/1.0-1.1 20/12/2010 Soil	50196-5 103/0.1-0.2 20/12/2010 Soil
Date extracted	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221*	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCLMX	%	121	111	116	112	112

PCBs in Soil Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	50196-6 104/0.1-0.2 20/12/2010 Soil	50196-7 107/0.1-0.2 20/12/2010 Soil	50196-8 107/0.5-0.6 20/12/2010 Soil	50196-9 109/0.1-0.2 20/12/2010 Soil	50196-10 109/0.5-0.6 20/12/2010 Soil
Date extracted	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221*	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCLMX	%	112	111	105	111	114

PCBs in Soil Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	50196-11 110/0.1-0.2 20/12/2010 Soil	50196-12 110/0.5-0.6 20/12/2010 Soil	50196-13 111/0.2-0.3 9/12/2010 Soil	50196-14 111/0.5-0.6 9/12/2010 Soil	50196-15 112/0.1-0.2 20/12/2010 Soil
Date extracted	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1221*	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCLMX	%	107	114	117	115	112

PCBs in Soil Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	50196-16 115/0.1-0.2 16/12/2010 Soil	50196-17 116/0.3-0.4 17/12/2010 Soil	50196-18 116/1.0-1.1 17/12/2010 Soil
Date extracted	-	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	04/01/2011	04/01/2011	04/01/2011
Arochlor 1016	mg/kg	<0.1	<0.1	<0.1
Arochlor 1221*	mg/kg	<0.1	<0.1	<0.1
Arochlor 1232	mg/kg	<0.1	<0.1	<0.1
Arochlor 1242	mg/kg	<0.1	<0.1	<0.1
Arochlor 1248	mg/kg	<0.1	<0.1	<0.1
Arochlor 1254	mg/kg	<0.1	<0.1	<0.1
Arochlor 1260	mg/kg	<0.1	<0.1	<0.1
Surrogate TCLMX	%	112	115	114

Total Phenolics in Soil						
Our Reference:	UNITS	50196-1	50196-2	50196-3	50196-6	50196-7
Your Reference	----------	101/1.0-1.4	102/0.1-0.2	102/0.5-0.6	104/0.1-0.2	107/0.1-0.2
Date Sampled	----------	20/12/2010	20/12/2010	20/12/2010	20/12/2010	20/12/2010
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	5/1/2011	5/1/2011	5/1/2011	5/1/2011	5/1/2011
Date analysed	-	5/1/2011	5/1/2011	5/1/2011	5/1/2011	5/1/2011
Total Phenolics (as Phenol)	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0

Total Phenolics in Soil					
Our Reference:	UNITS	50196-9	50196-10	50196-13	50196-14
Your Reference	----------	109/0.1-0.2	109/0.5-0.6	111/0.2-0.3	111/0.5-0.6
Date Sampled	----------	20/12/2010	20/12/2010	9/12/2010	9/12/2010
Type of sample		Soil	Soil	Soil	Soil
Date extracted	-	5/1/2011	5/1/2011	5/1/2011	5/1/2011
Date analysed	-	5/1/2011	5/1/2011	5/1/2011	5/1/2011
Total Phenolics (as Phenol)	mg/kg	<5.0	<5.0	<5.0	<5.0

Acid Extractable metals in soil						
Our Reference:	UNITS	50196-1	50196-2	50196-3	50196-4	50196-5
Your Reference	----------	101/1.0-1.4	102/0.1-0.2	102/0.5-0.6	102/1.0-1.1	103/0.1-0.2
Date Sampled	----------	20/12/2010	20/12/2010	20/12/2010	20/12/2010	20/12/2010
Type of sample		Soil	Soil	Soil	Soil	Soil
Date digested	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Arsenic	mg/kg	9	<4	6	9	<4
Cadmium	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium	mg/kg	9	33	35	40	33
Copper	mg/kg	35	54	9	4	64
Lead	mg/kg	14	4	11	13	4
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	14	100	21	9	81
Zinc	mg/kg	62	42	10	5	39

Acid Extractable metals in soil						
Our Reference:	UNITS	50196-6	50196-7	50196-8	50196-9	50196-10
Your Reference	----------	104/0.1-0.2	107/0.1-0.2	107/0.5-0.6	109/0.1-0.2	109/0.5-0.6
Date Sampled	----------	20/12/2010	20/12/2010	20/12/2010	20/12/2010	20/12/2010
Type of sample		Soil	Soil	Soil	Soil	Soil
Date digested	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Arsenic	mg/kg	<4	<4	11	<4	7
Cadmium	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium	mg/kg	17	39	22	65	17
Copper	mg/kg	59	61	4	43	10
Lead	mg/kg	3	4	17	7	18
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	110	110	13	69	6
Zinc	mg/kg	44	43	6	40	15

Acid Extractable metals in soil						
Our Reference:	UNITS	50196-11	50196-12	50196-13	50196-14	50196-15
Your Reference	----------	110/0.1-0.2	110/0.5-0.6	111/0.2-0.3	111/0.5-0.6	112/0.1-0.2
Date Sampled	----------	20/12/2010	20/12/2010	9/12/2010	9/12/2010	20/12/2010
Type of sample		Soil	Soil	Soil	Soil	Soil
Date digested	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	04/01/2011	04/01/2011	04/01/2011	04/01/2011	04/01/2011
Arsenic	mg/kg	18	8	7	<4	<4
Cadmium	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium	mg/kg	24	23	19	14	15
Copper	mg/kg	36	18	6	3	16
Lead	mg/kg	210	61	19	16	9
Mercury	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	7	6	5	2	13
Zinc	mg/kg	230	74	11	6	28

Acid Extractable metals in soil Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	50196-16 115/0.1-0.2 16/12/2010 Soil	50196-17 116/0.3-0.4 17/12/2010 Soil	50196-18 116/1.0-1.1 17/12/2010 Soil
Date digested	-	04/01/2011	04/01/2011	04/01/2011
Date analysed	-	04/01/2011	04/01/2011	04/01/2011
Arsenic	mg/kg	<4	<4	<4
Cadmium	mg/kg	<0.5	<0.5	<0.5
Chromium	mg/kg	11	10	23
Copper	mg/kg	28	27	9
Lead	mg/kg	5	43	7
Mercury	mg/kg	<0.1	<0.1	<0.1
Nickel	mg/kg	28	13	21
Zinc	mg/kg	38	43	22

Moisture						
Our Reference:	UNITS	50196-1	50196-2	50196-3	50196-4	50196-5
Your Reference	----------	101/1.0-1.4	102/0.1-0.2	102/0.5-0.6	102/1.0-1.1	103/0.1-0.2
Date Sampled	----------	20/12/2010	20/12/2010	20/12/2010	20/12/2010	20/12/2010
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	4/01/2011	4/01/2011	4/01/2011	4/01/2011	4/01/2011
Date analysed	-	5/01/2011	5/01/2011	5/01/2011	5/01/2011	5/01/2011
Moisture	%	15	16	21	22	5.9

Moisture						
Our Reference:	UNITS	50196-6	50196-7	50196-8	50196-9	50196-10
Your Reference	----------	104/0.1-0.2	107/0.1-0.2	107/0.5-0.6	109/0.1-0.2	109/0.5-0.6
Date Sampled	----------	20/12/2010	20/12/2010	20/12/2010	20/12/2010	20/12/2010
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	4/01/2011	4/01/2011	4/01/2011	4/01/2011	4/01/2011
Date analysed	-	5/01/2011	5/01/2011	5/01/2011	5/01/2011	5/01/2011
Moisture	%	16	9.5	18	12	28

Moisture						
Our Reference:	UNITS	50196-11	50196-12	50196-13	50196-14	50196-15
Your Reference	----------	110/0.1-0.2	110/0.5-0.6	111/0.2-0.3	111/0.5-0.6	112/0.1-0.2
Date Sampled	----------	20/12/2010	20/12/2010	9/12/2010	9/12/2010	20/12/2010
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	4/01/2011	4/01/2011	4/01/2011	4/01/2011	4/01/2011
Date analysed	-	5/01/2011	5/01/2011	5/01/2011	5/01/2011	5/01/2011
Moisture	%	43	20	24	24	12

Moisture				
Our Reference:	UNITS	50196-16	50196-17	50196-18
Your Reference	----------	115/0.1-0.2	116/0.3-0.4	116/1.0-1.1
Date Sampled	----------	16/12/2010	17/12/2010	17/12/2010
Type of sample		Soil	Soil	Soil
Date prepared	-	4/01/2011	4/01/2011	4/01/2011
Date analysed	-	5/01/2011	5/01/2011	5/01/2011
Moisture	%	15	13	14

Asbestos ID - soils Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	50196-1 101/1.0-1.4 20/12/2010 Soil	50196-2 102/0.1-0.2 20/12/2010 Soil	50196-5 103/0.1-0.2 20/12/2010 Soil	50196-6 104/0.1-0.2 20/12/2010 Soil	50196-7 107/0.1-0.2 20/12/2010 Soil
Date analysed	-	5/01/2011	5/01/2011	5/01/2011	5/01/2011	5/01/2011
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	50196-9 109/0.1-0.2 20/12/2010 Soil	50196-11 110/0.1-0.2 20/12/2010 Soil	50196-15 112/0.1-0.2 20/12/2010 Soil	50196-16 115/0.1-0.2 16/12/2010 Soil
Date analysed	-	5/01/2011	5/01/2011	5/01/2011	5/01/2011
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Method ID	Methodology Summary
GC.16	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS.
GC.3	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID.
GC.12 subset	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS.
GC-5	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC with dual ECD's.
GC.8	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC with dual ECD's.
GC-6	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.
LAB.30	Total Phenolics - determined colorimetrically following disitillation.
Metals.20 ICP-AES	Determination of various metals by ICP-AES.
Metals.21 CV-AAS	Determination of Mercury by Cold Vapour AAS.
LAB.1	pH - Measured using pH meter and electrode in accordance with APHA 20th ED, 4500-H+.
LAB.81	Anions - a range of Anions are determined by Ion Chromatography, in accordance with APHA 21st ED, 4110-B.
LAB.8	Moisture content determined by heating at 105 deg C for a minimum of 4 hours.
ASB.1	Asbestos ID - Qualitative identification of asbestos type fibres in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques.

QUALITY CONTROL vTRH & BTEX in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base II Duplicate II %RPD	Spike Sm#	Spike % Recovery
Date extracted	-			04/01/2011	50196-1	04/01/2011 || 04/01/2011	LCS-3	04/01/2011
Date analysed	-			05/01/2011	50196-1	05/01/2011 || 05/01/2011	LCS-3	05/01/2011
vTRH C_6 - C_9	mg/kg	25	GC.16	<25	50196-1	<25 || <25	LCS-3	102%
Benzene	mg/kg	0.5	GC.16	<0.5	50196-1	<0.5 || <0.5	LCS-3	107%
Toluene	mg/kg	0.5	GC.16	<0.5	50196-1	<0.5 || <0.5	LCS-3	101%
Ethylbenzene	mg/kg	1	GC.16	<1.0	50196-1	<1.0 || <1.0	LCS-3	94%
m+p-xylene	mg/kg	2	GC.16	<2.0	50196-1	<2.0 || <2.0	LCS-3	104%
o-Xylene	mg/kg	1	GC.16	<1.0	50196-1	<1.0 || <1.0	LCS-3	105%
Surrogate aaa-Trifluorotoluene	%		GC.16	116	50196-1	110 || 119 || RPD: 8	LCS-3	114%

QUALITY CONTROL sTRH in Soil (C10-C36)	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base II Duplicate II %RPD	Spike Sm#	Spike % Recovery
Date extracted	-			04/01/2011	50196-1	04/01/2011 || 04/01/2011	LCS-3	04/01/2011
Date analysed	-			05/01/2011	50196-1	05/01/2011 || 05/01/2011	LCS-3	05/01/2011
TRH C_{10} - C_{14}	mg/kg	50	GC.3	<50	50196-1	<50 || <50	LCS-3	109%
TRH C_{15} - C_{28}	mg/kg	100	GC.3	<100	50196-1	<100 || <100	LCS-3	115%
TRH C_{29} - C_{36}	mg/kg	100	GC.3	<100	50196-1	<100 || <100	LCS-3	112%
Surrogate o-Terphenyl	%		GC.3	101	50196-1	104 || 97 || RPD: 7	LCS-3	103%

QUALITY CONTROL PAHs in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base II Duplicate II %RPD	Spike Sm#	Spike % Recovery
Date extracted	-			04/01/2011	50196-1	04/01/2011 || 04/01/2011	LCS-3	04/01/2011
Date analysed	-			04/01/2011	50196-1	04/01/2011 || 04/01/2011	LCS-3	04/01/2011
Naphthalene	mg/kg	0.1	GC.12 subset	<0.1	50196-1	<0.1 || <0.1	LCS-3	93%
Acenaphthylene	mg/kg	0.1	GC.12 subset	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
Acenaphthene	mg/kg	0.1	GC.12 subset	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
Fluorene	mg/kg	0.1	GC.12 subset	<0.1	50196-1	<0.1 || <0.1	LCS-3	104%
Phenanthrene	mg/kg	0.1	GC.12 subset	<0.1	50196-1	<0.1 || <0.1	LCS-3	95%
Anthracene	mg/kg	0.1	GC.12 subset	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
Fluoranthene	mg/kg	0.1	GC.12 subset	<0.1	50196-1	<0.1 || <0.1	LCS-3	96%
Pyrene	mg/kg	0.1	GC.12 subset	<0.1	50196-1	<0.1 || <0.1	LCS-3	102%

QUALITY CONTROL PAHs in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base II Duplicate II %RPD	Spike Sm#	Spike % Recovery
Benzo(a)anthracene	mg/kg	0.1	GC.12 subset	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
Chrysene	mg/kg	0.1	GC.12 subset	<0.1	50196-1	<0.1 || <0.1	LCS-3	96%
Benzo(b+k)fluoranthene	mg/kg	0.2	GC.12 subset	<0.2	50196-1	<0.2 || <0.2	[NR]	[NR]
Benzo(a)pyrene	mg/kg	0.05	GC.12 subset	<0.05	50196-1	<0.05 || <0.05	LCS-3	90%
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	GC.12 subset	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
Dibenzo(a,h)anthracene	mg/kg	0.1	GC.12 subset	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
Benzo(g,h,i)perylene	mg/kg	0.1	GC.12 subset	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
Surrogate p-Terphenyl-d_{14}	%		GC.12 subset	104	50196-1	106 || 97 || RPD: 9	LCS-3	116%

QUALITY CONTROL Organochlorine Pesticides in soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base II Duplicate II %RPD	Spike Sm#	Spike % Recovery
Date extracted	-			04/01/2011	50196-1	04/01/2011 || 04/01/2011	LCS-3	04/01/2011
Date analysed	-			04/01/2011	50196-1	04/01/2011 || 04/01/2011	LCS-3	04/01/2011
HCB	mg/kg	0.1	GC-5	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
alpha-BHC	mg/kg	0.1	GC-5	<0.1	50196-1	<0.1 || <0.1	LCS-3	89%
gamma-BHC	mg/kg	0.1	GC-5	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
beta-BHC	mg/kg	0.1	GC-5	<0.1	50196-1	<0.1 || <0.1	LCS-3	75%
Heptachlor	mg/kg	0.1	GC-5	<0.1	50196-1	<0.1 || <0.1	LCS-3	86%
delta-BHC	mg/kg	0.1	GC-5	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
Aldrin	mg/kg	0.1	GC-5	<0.1	50196-1	<0.1 || <0.1	LCS-3	83%
Heptachlor Epoxide	mg/kg	0.1	GC-5	<0.1	50196-1	<0.1 || <0.1	LCS-3	92%
gamma-Chlordane	mg/kg	0.1	GC-5	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
alpha-chlordane	mg/kg	0.1	GC-5	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
Endosulfan I	mg/kg	0.1	GC-5	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
pp-DDE	mg/kg	0.1	GC-5	<0.1	50196-1	<0.1 || <0.1	LCS-3	71%
Dieldrin	mg/kg	0.1	GC-5	<0.1	50196-1	<0.1 || <0.1	LCS-3	111%
Endrin	mg/kg	0.1	GC-5	<0.1	50196-1	<0.1 || <0.1	LCS-3	91%
pp-DDD	mg/kg	0.1	GC-5	<0.1	50196-1	<0.1 || <0.1	LCS-3	75%
Endosulfan II	mg/kg	0.1	GC-5	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
pp-DDT	mg/kg	0.1	GC-5	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	0.1	GC-5	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
Endosulfan Sulphate	mg/kg	0.1	GC-5	<0.1	50196-1	<0.1 || <0.1	LCS-3	104%
Methoxychlor	mg/kg	0.1	GC-5	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
Surrogate TCLMX	%		GC-5	112	50196-1	121 || 109 || RPD: 10	LCS-3	119%

QUALITY CONTROL Organophosphorus Pesticides	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base II Duplicate II %RPD	Spike Sm#	Spike % Recovery
Date extracted	-			04/01/2011	50196-1	04/01/2011 || 04/01/2011	LCS-3	04/01/2011
Date analysed	-			04/01/2011	50196-1	04/01/2011 || 04/01/2011	LCS-3	04/01/2011
Diazinon	mg/kg	0.1	GC.8	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
Dimethoate	mg/kg	0.1	GC.8	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
Chlorpyriphos-methyl	mg/kg	0.1	GC.8	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
Ronnel	mg/kg	0.1	GC.8	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
Chlorpyriphos	mg/kg	0.1	GC.8	<0.1	50196-1	<0.1 || <0.1	LCS-3	105%
Fenitrothion	mg/kg	0.1	GC.8	<0.1	50196-1	<0.1 || <0.1	LCS-3	116%
Bromophos-ethyl	mg/kg	0.1	GC.8	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
Ethion	mg/kg	0.1	GC.8	<0.1	50196-1	<0.1 || <0.1	LCS-3	90%
Surrogate TCLMX	%		GC.8	112	50196-1	121 || 109 || RPD: 10	LCS-3	134%

QUALITY CONTROL PCBs in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base II Duplicate II %RPD	Spike Sm#	Spike % Recovery
Date extracted	-			04/01/2011	50196-1	04/01/2011 || 04/01/2011	LCS-3	04/01/2011
Date analysed	-			04/01/2011	50196-1	04/01/2011 || 04/01/2011	LCS-3	04/01/2011
Arochlor 1016	mg/kg	0.1	GC-6	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
Arochlor 1221*	mg/kg	0.1	GC-6	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
Arochlor 1232	mg/kg	0.1	GC-6	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
Arochlor 1242	mg/kg	0.1	GC-6	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
Arochlor 1248	mg/kg	0.1	GC-6	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
Arochlor 1254	mg/kg	0.1	GC-6	<0.1	50196-1	<0.1 || <0.1	LCS-3	111%
Arochlor 1260	mg/kg	0.1	GC-6	<0.1	50196-1	<0.1 || <0.1	[NR]	[NR]
Surrogate TCLMX	%		GC-6	112	50196-1	121 || 109 || RPD: 10	LCS-3	113%

QUALITY CONTROL Total Phenolics in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base II Duplicate II %RPD	Spike Sm#	Spike % Recovery
Date extracted	-			5/1/2011	50196-1	5/1/2011 || 5/1/2011	LCS-1	5/1/2011
Date analysed	-			5/1/2011	50196-1	5/1/2011 || 5/1/2011	LCS-1	5/1/2011
Total Phenolics (as Phenol)	mg/kg	5	LAB.30	<5.0	50196-1	<5.0 || <5.0	LCS-1	90%

Miscellaneous Inorg - soil				
Our Reference:	UNITS	50196-4	50196-18	50196-19
Your Reference	----------	102/1.0-1.1	116/1.0-1.1	103/1.0-1.1
Date Sampled	----------	20/12/2010	17/12/2010	20/12/2010
Type of sample		Soil	Soil	Soil
Date prepared	-	5/1/2011	5/1/2011	5/1/2011
Date analysed	-	5/1/2011	5/1/2011	5/1/2011
pH 1:5 soil:water	pH Units	5.5	8.6	5.2
Chloride, Cl 1:5 soil:water	mg/kg	27	15	17
Sulphate, SO4 1:5 soil:water	mg/kg	31	45	40

QUALITY CONTROL Acid Extractable metals in soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base II Duplicate II %RPD	Spike Sm#	Spike % Recovery
Date digested	-			04/01/2011	50196-1	04/01/2011 || 04/01/2011	LCS-1	04/01/2011
Date analysed	-			04/01/2011	50196-1	04/01/2011 || 04/01/2011	LCS-1	04/01/2011
Arsenic	mg/kg	4	Metals.20 ICP-AES	<4	50196-1	9 || 9 || RPD: 0	LCS-1	107%
Cadmium	mg/kg	0.5	Metals.20 ICP-AES	<0.5	50196-1	<0.5 || <0.5	LCS-1	103%
Chromium	mg/kg	1	Metals.20 ICP-AES	<1	50196-1	9 || 9 || RPD: 0	LCS-1	101%
Copper	mg/kg	1	Metals.20 ICP-AES	<1	50196-1	35 || 34 || RPD: 3	LCS-1	108%
Lead	mg/kg	1	Metals.20 ICP-AES	<1	50196-1	14 || 14 || RPD: 0	LCS-1	101%
Mercury	mg/kg	0.1	Metals.21 CV-AAS	<0.1	50196-1	<0.1 || <0.1	LCS-1	104%
Nickel	mg/kg	1	Metals.20 ICP-AES	<1	50196-1	14 || 14 || RPD: 0	LCS-1	105%
Zinc	mg/kg	1	Metals.20 ICP-AES	<1	50196-1	62 || 64 || RPD: 3	LCS-1	101%

QUALITY CONTROL Miscellaneous Inorg - soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base II Duplicate II %RPD	Spike Sm#	Spike % Recovery
Date prepared	-			5/1/2011	50196-4	5/1/2011 || 5/1/2011	LCS-1	5/1/2011
Date analysed	-			5/1/2011	50196-4	5/1/2011 || 5/1/2011	LCS-1	5/1/2011
pH 1:5 soil:water	pH Units		LAB.1	[NT]	50196-4	5.5 || 5.5 || RPD: 0	LCS-1	101%
Chloride, Cl 1:5 soil:water	mg/kg	2	LAB.81	<2.0	50196-4	27 || [N/T]	LCS-1	104%
Sulphate, SO4 1:5 soil:water	mg/kg	2	LAB.81	<2.0	50196-4	31 || [N/T]	LCS-1	112%

QUALITY CONTROL Moisture	UNITS	PQL	METHOD	Blank
Date prepared	-			04/01/2011
Date analysed	-			05/01/2011
Moisture	%	0.1	LAB.8	<0.10

QUALITY CONTROL Asbestos ID - soils	UNITS	PQL	METHOD	Blank
Date analysed	-			[NT]

QUALITY CONTROL vTRH & BTEX in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date extracted	-	50196-11	04/01/2011 || 04/01/2011	50196-2	04/01/2011
Date analysed	-	50196-11	05/01/2011 || 05/01/2011	50196-2	05/01/2011
vTRH C_6 - C_9	mg/kg	50196-11	<25 || <25	50196-2	95%
Benzene	mg/kg	50196-11	<0.5 || <0.5	50196-2	100%
Toluene	mg/kg	50196-11	<0.5 || <0.5	50196-2	95%
Ethylbenzene	mg/kg	50196-11	<1.0 || <1.0	50196-2	86%
m+p-xylene	mg/kg	50196-11	<2.0 || <2.0	50196-2	97%
o-Xylene	mg/kg	50196-11	<1.0 || <1.0	50196-2	98%
Surrogate aaa-Trifluorotoluene	%	50196-11	110 || 104 || RPD: 6	50196-2	118%

QUALITY CONTROL sTRH in Soil (C10-C36)	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date extracted	-	50196-11	04/01/2011 || 04/01/2011	50196-2	04/01/2011
Date analysed	-	50196-11	05/01/2011 || 05/01/2011	50196-2	05/01/2011
TRH C_{10} - C_{14}	mg/kg	50196-11	<50 || <50	50196-2	101%
TRH C_{15} - C_{28}	mg/kg	50196-11	<100 || <100	50196-2	105%
TRH C_{29} - C_{36}	mg/kg	50196-11	<100 || <100	50196-2	96%
Surrogate o-Terphenyl	%	50196-11	99 || 95 || RPD: 4	50196-2	98%

QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date extracted	-	50196-11	04/01/2011 || 04/01/2011	50196-2	04/01/2011
Date analysed	-	50196-11	04/01/2011 || 04/01/2011	50196-2	04/01/2011
Naphthalene	mg/kg	50196-11	<0.1 || <0.1	50196-2	86%
Acenaphthylene	mg/kg	50196-11	<0.1 || <0.1	[NR]	[NR]
Acenaphthene	mg/kg	50196-11	<0.1 || <0.1	[NR]	[NR]
Fluorene	mg/kg	50196-11	<0.1 || <0.1	50196-2	85%
Phenanthrene	mg/kg	50196-11	<0.1 || 0.1	50196-2	87%
Anthracene	mg/kg	50196-11	<0.1 || <0.1	[NR]	[NR]
Fluoranthene	mg/kg	50196-11	0.3 || 0.4 || RPD: 29	50196-2	87%
Pyrene	mg/kg	50196-11	0.3 || 0.4 || RPD: 29	50196-2	90%
Benzo(a)anthracene	mg/kg	50196-11	0.2 || 0.2 || RPD: 0	[NR]	[NR]
Chrysene	mg/kg	50196-11	0.2 || 0.3 || RPD: 40	50196-2	88%
Benzo(b+k)fluoranthene	mg/kg	50196-11	0.4 || 0.6 || RPD: 40	[NR]	[NR]
Benzo(a)pyrene	mg/kg	50196-11	0.2 || 0.3 || RPD: 40	50196-2	80%
Indeno(1,2,3-c,d)pyrene	mg/kg	50196-11	0.2 || 0.2 || RPD: 0	[NR]	[NR]
Dibenzo(a,h)anthracene	mg/kg	50196-11	<0.1 || <0.1	[NR]	[NR]
Benzo(g,h,i)perylene	mg/kg	50196-11	0.2 || 0.2 || RPD: 0	[NR]	[NR]