Brownfield Consultancy
The Cottage, Mill Lane
Fenny Compton, CV47 2YF
Phone: 07852881086

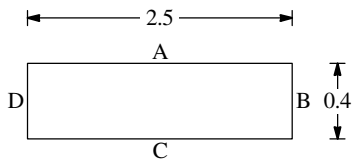
TRIAL PIT LOG

The Brownfield Consultancy

Project				TRIAL PIT No
Bodicote				**TP116**
Job No	Date	Ground Level (m)	Co-Ordinates ()	
12151J	06-12-12 06-12-12			
Contractor				Sheet
				1 of 1

STRATA				SAMPLES & TESTS		
				Depth	No	Remarks/Tests
Depth	No		DESCRIPTION			
0.00-0.25			TOPSOIL: Soft to firm brown slightly sandy CLAY with occasional roots and rootlets and rare subangular medium gravel of limestone.			
0.25-0.40			Firm brown slightly sandy locally slightly gravelly CLAY. Gravel is angular, fine and medium of limestone.			
0.40-0.50			Weak grey LIMESTONE.	0.40	ES	
0.50-3.50			Stiff grey locally orange brown sligltly sandy fissured SILT/CLAY. Rust coloured staining on some fissure surfaces.	0.95	D	
				1.75	D	

Shoring/Support:
Stability:



GENERAL REMARKS

No Groundwater encountered

All dimensions in metres Scale 1:25	Client Banner Homes	Method/ Trial Pit excavated using JCB Plant Used 3CX with 0.3 m bucket	Logged By CG

Brownfield Consultancy
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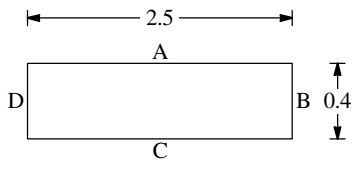
TRIAL PIT LOG

The Brownfield Consultancy

Project				TRIAL PIT No
Bodicote				TP117
Job No	Date	Ground Level (m)	Co-Ordinates ()	
12151J	06-12-12 06-12-12			
Contractor				Sheet
				1 of 1

STRATA				SAMPLES & TESTS		
				Depth	No	Remarks/Tests
Depth	No		DESCRIPTION			
0.00-0.20			TOPSOIL: Soft to firm brown slightly sandy CLAY with occasional roots and rootlets and rare subangular medium gravel of limestone.	0.10	J	
0.20-0.65			Firm brown slightly sandy locally slightly gravelly CLAY. Gravel is angular, fine and medium of limestone.			
0.65-0.95			Brown very clayey angular GRAVEL AND COBBLE of Limestone and Ironstone.	0.60 0.60	D ES	
0.95-1.90			Stiff grey locally orange brown sligltly sandy fissured CLAY. Rust coloured staining on some fissure surfaces.	1.10	HV	110, 102 kN/m2
				1.60	D	
				1.80	HV	100, 110 kN/m2
1.90-2.90			Stiff grey locally orange brown sligltly sandy fissured SILT/CLAY. Rust coloured staining on some fissure surfaces.			
2.90-2.95			Moderately weak LIMESTONE and IRONSTONE recovered as angular cobbles.			

Shoring/Support:
Stability:



GENERAL REMARKS

No Groundwater encountered

All dimensions in metres Scale 1:25	Client Banner Homes	Method/ Trial Pit excavated using JCB Plant Used 3CX with 0.3 m bucket	Logged By CG

BROWNFIELD TP 12151J BODICOTE.GPJ GINT STD AGS 3_1.GDT 15/1/13

Brownfield Consultancy
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Fenny Compton, CV47 2YF
Phone: 07852881086

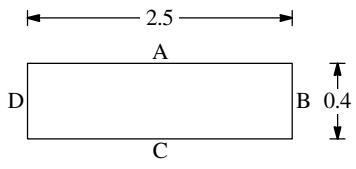
TRIAL PIT LOG

The Brownfield Consultancy

Project				TRIAL PIT No
Bodicote				**TP118**
Job No	Date	Ground Level (m)	Co-Ordinates ()	
12151J	06-12-12 06-12-12			
Contractor				Sheet
				1 of 1

STRATA				SAMPLES & TESTS		
				Depth	No	Remarks/Tests
Depth	No		DESCRIPTION			
0.00-0.25			TOPSOIL: Soft to firm brown slightly sandy CLAY with occasional roots and rootlets and rare subangular medium gravel of limestone.	0.10	ES	
0.25-0.65			Firm brown slightly sandy locally slightly gravelly CLAY. Gravel is angular, fine and medium of limestone..			
0.65-1.95			Stiff grey locally orange brown sligltly sandy fissured CLAY. Rust coloured staining on some fissure surfaces.	1.00	ES	
				1.20	HV	78, 84 kN/m2
				1.75	D	
				1.80	HV	92, 102 kN/m2
1.95-2.00			Moderately weak LIMESTONE and IRONSTONE recovered as angular cobbles.			

Shoring/Support:
Stability:



GENERAL REMARKS

No Groundwater encountered

All dimensions in metres Scale 1:25	Client Banner Homes	Method/ Trial Pit excavated using JCB Plant Used 3CX with 0.3 m bucket	Logged By CG

BROWNFIELD TP 12151J BODICOTE.GPJ GINT STD AGS 3_1.GDT 15/1/13

Brownfield Consultancy
The Cottage, Mill Lane
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Phone: 07852881086

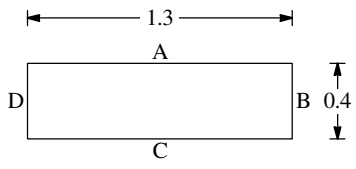
TRIAL PIT LOG

The Brownfield Consultancy

Project				TRIAL PIT No
Bodicote				TP119
Job No	Date	Ground Level (m)	Co-Ordinates ()	
12151J	07-12-12 07-12-12			
Contractor				Sheet
				1 of 1

STRATA				SAMPLES & TESTS		
				Depth	No	Remarks/Tests
Depth	No		DESCRIPTION			
0.00-0.20			TOPSOIL: Soft to firm brown slightly sandy CLAY with occasional roots and rootlets and rare subangular medium gravel of limestone.			
0.20-0.45			Firm brown slightly sandy locally slightly gravelly CLAY. Gravel is angular, fine and medium of limestone. Rare cobble of limestone noted.			
0.45-1.70			Firm becoming stiff below 1 m grey locally orange brown sligltly sandy fissured SILT/CLAY. Rust coloured staining on some fissure surfaces. Occasional angular coars egravel of limestone below 1 m			
1.70-2.50			Compact grey locally orange brown slightly sandy fissured SILT. Rust coloured staining on some fissure surfaces.			

Shoring/Support:
Stability:



GENERAL REMARKS

No Groundwater encountered

All dimensions in metres Scale 1:25	Client Banner Homes	Method/ Trial Pit excavated using JCB Plant Used 3CX with 0.3 m bucket	Logged By CG

Brownfield Consultancy
The Cottage, Mill Lane
Fenny Compton, CV47 2YF
Phone: 07852881086

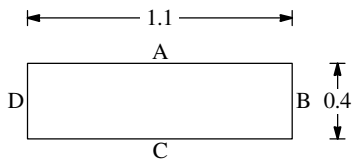
TRIAL PIT LOG

The Brownfield Consultancy

Project				TRIAL PIT No
Bodicote				**TP120**
Job No	Date	Ground Level (m)	Co-Ordinates ()	
12151J	07-12-12 07-12-12			
Contractor				Sheet
				1 of 1

STRATA				SAMPLES & TESTS		
				Depth	No	Remarks/Tests
Depth	No		DESCRIPTION			
0.00-0.25			TOPSOIL: Soft to firm brown slightly sandy CLAY with occasional roots and rootlets and rare subangular medium gravel of limestone.			
0.25-0.80			Firm brown slightly sandy locally slightly gravelly CLAY. Gravel is angular, fine and medium of limestone. Rare cobble of limestone noted.			
0.80-1.35			Brown very clayey angular GRAVEL AND COBBLE of Limestone and Ironstone.			

Shoring/Support:
Stability:



GENERAL REMARKS

No Groundwater encountered

All dimensions in metres Scale 1:25	Client Banner Homes	Method/ Trial Pit excavated using JCB Plant Used 3CX with 0.3 m bucket	Logged By CG

Brownfield Consultancy
The Cottage, Mill Lane
Fenny Compton, CV47 2YF
Phone: 07852881086

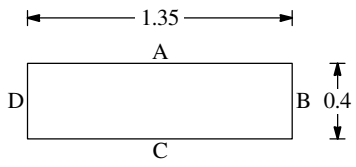
TRIAL PIT LOG

The Brownfield Consultancy

Project				TRIAL PIT No
Bodicote				**TP121**
Job No	Date	Ground Level (m)	Co-Ordinates ()	
12151J	07-12-12 07-12-12			
Contractor				Sheet
				1 of 1

STRATA				SAMPLES & TESTS		
				Depth	No	Remarks/Tests
Depth	No		DESCRIPTION			
0.00-0.25			TOPSOIL: Soft to firm brown slightly sandy CLAY with occasional roots and rootlets and rare subangular medium gravel of limestone.			
0.25-0.60			Firm brown slightly sandy locally slightly gravelly CLAY. Gravel is angular, fine and medium of limestone..			
0.60-2.15			Stiff 1.5 m grey locally orange brown sligltly sandy fissured CLAY. Rust coloured staining on some fissure surfaces.			
2.15-2.20			Moderately weak LIMESTONE and IRONSTONE recovered as angular cobbles.			

Shoring/Support:
Stability:



GENERAL REMARKS

No Groundwater encountered

All dimensions in metres Scale 1:25	Client Banner Homes	Method/ Trial Pit excavated using JCB Plant Used 3CX with 0.3 m bucket	Logged By CG

BROWNFIELD TP 12151J BODICOTE.GPJ GINT STD AGS 3_1.GDT 15/1/13

APPENDIX F

Geotechnical Laboratory Test Results

PSL
Professional Soils Laboratory

LABORATORY REPORT

UKAS TESTING
4043

Contract Number: PSL13/0111

Client's Reference: Report Date: 10 January 2013

Client Name: Discovery CE
The Granary
Broadwell
Rugby
Warwickshire
CV23 8HF

For the attention of: Cathal Gilespie

Contract Title: Bodicote

Date Received: 08/01/2013
Date Commenced: 08/01/2013
Date Completed: 10/01/2013

Notes: Observations and Interpretations are outside the UKAS Accreditation

A copy of the Laboratory Schedule of accredited tests as issued by UKAS is attached to this report. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced in full, without the prior written approval of the laboratory.

Checked and Approved Signatories:

R Gunson	A Watkins	M Beastall
(Director)	(Director)	(Laboratory Manager)

5 – 7 Hexthorpe Road, Hexthorpe,
Doncaster DN4 0AR
tel: +44 (0)844 815 6641
fax: +44 (0)844 815 6642
e-mail: rgunson@prosoils.co.uk
awatkins@prosoils.co.uk

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Hole Number	Sample Number	Sample Type	Depth m	Description of Sample
TP101		D	2.50	Brown sandy silty CLAY.
TP103		D	1.00	Brown sandy silty CLAY.
TP104		D	1.75	Brown sandy silty CLAY.
TP105		D	0.90	Brown sandy silty CLAY.
TP105		D	2.00	Brown sandy silty CLAY.
TP106		D	1.10	Brown sandy silty CLAY.
TP106		D	2.20	Brown very sandy slightly clayey SILT.
TP107		D	1.10	Brown sandy silty CLAY.
TP108		D	1.60	Brown sandy CLAY.
TP108		D	2.80	Brown gravelly sandy silty CLAY.

PSL
Professional Soils Laboratory

Compiled by	Date	Checked by	Date	Approved by	Date
	10/01/13		10/01/13		10/01/13

BODICOTE.

Contract No: PSL13/0111

Client Ref:

SUMMARY OF SOIL CLASSIFICATION TESTS

(B.S. 1377 : PART 2 : 1990)

Hole Number	Sample Number	Sample Type	Depth m	Moisture Content % Clause 3.2	Bulk Density Mg/m^3 Clause 7.2	Dry Density Mg/m^3 Clause 7.2	Particle Density Mg/m^3 Clause 8.	Liquid Limit % Clause 4.3/4.4	Plastic Limit % Clause 5.	Plasticity Index % Clause 6.	% Passing .425mm	Remarks
TP101		D	2.50	24				42	23	19	100	Intermediate plasticity CI.
TP103		D	1.00	25				46	26	20	100	Intermediate plasticity CI.
TP104		D	1.75	23				40	22	18	100	Intermediate plasticity CI.
TP105		D	0.90	30				58	30	28	100	High plasticity CH.
TP105		D	2.00	20				48	24	24	100	Intermediate plasticity CI.
TP106		D	1.10	22				39	22	17	100	Intermediate plasticity CI.
TP106		D	2.20	25					NP			
TP107		D	1.10	24				47	24	23	100	Intermediate plasticity CI.
TP108		D	1.60	26				55	23	32	100	High plasticity CH.
TP108		D	2.80	21				35	24	11	86	Intermediate plasticity CI.

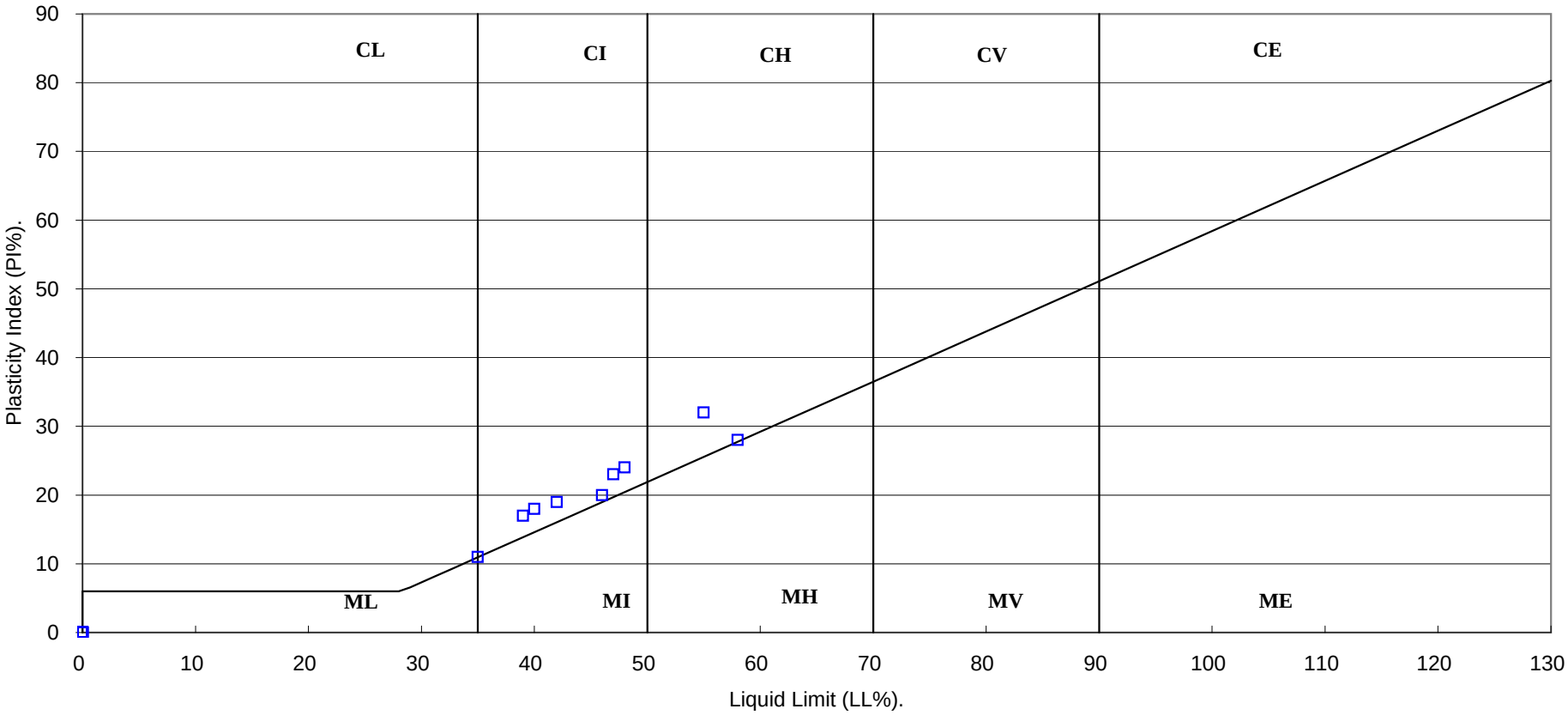
SYMBOLS : NP : Non Plastic *** : Liquid Limit and Plastic Limit Wet Sieved.**

PSL
Professional Soils Laboratory

Compiled by	Date	Checked by	Date	Approved by	Date
	10/01/13		10/01/13		10/01/13
BODICOTE.				Contract No:	PSL13/0111
				Client Ref:	

PLASTICITY CHART FOR CASAGRANDE CLASSIFICATION.

(B.S.5930 : 1999)



	Compiled by	Date	Checked by	Date	Approved by	Date
PSL Professional Soils Laboratory		10/01/13		10/01/13		10/01/13
	BODICOTE.				Contract No:	PSL13/0111
					Client Ref:	

APPENDIX G

Chemical Laboratory Results

PBET Results

Cathal Gillespie
Discovery CE
The Granary
Broadwell House Farm
Broadwell
Rugby
Warwickshire
CV23 8HF

t: 01926 813909

e: c.gillespie@dce-services.co.uk

i2 Analytical Ltd.
Building 19,
BRE,
Garston,
Watford,
WD25 9XX

t: 01923 67 00 20
f: 01923 67 00 30
e: reception@i2analytical.com

Analytical Report Number : 12-38437

Replaces Analytical Report Number : 12-38437, issue no. 1

Project / Site name:	Bodicote	**Samples received on:**	14/12/2012
Your job number:	12151J	**Samples instructed on:**	14/12/2012
Your order number:		**Analysis completed by:**	24/12/2012
Report Issue Number:	2	**Report issued on:**	08/01/2013
Samples Analysed:	1 2 stage wac sample - 16 soil samples		

Signed:

Dr Claire Stone
Quality Manager
For & on behalf of i2 Analytical Ltd.

Signed:

Rexona Rahman
Customer Services Manager
For & on behalf of i2 Analytical Ltd.

Other office located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Analytical Report Number: 12-38437

Project / Site name: Bodicote

Lab Sample Number				239817	239818	239819	239820	239821
Sample Reference				TP102	TP112	TP101	TP103	TP109
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.70	0.10	0.50	0.20
Date Sampled				05/12/2012	06/12/2012	05/12/2012	05/12/2012	05/12/2012
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	17	20	22	17	24
Total mass of sample received	kg	0.001	NONE	0.49	0.49	0.51	0.53	0.52
General Inorganics								
pH	pH Units	N/A	MCERTS	-	-	-	-	-
Water Soluble Sulphate as SO_4 (2:1)	g/l	0.0025	MCERTS	-	-	-	-	-
Water Soluble Sulphate as SO_4 (2:1)	mg/kg	2.5	MCERTS	-	-	-	-	-
Total Organic Carbon (TOC)	%	0.1	MCERTS	-	0.4	-	-	-
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	-
Acenaphthylene	mg/kg	0.2	MCERTS	-	< 0.20	-	-	-
Acenaphthene	mg/kg	0.1	MCERTS	-	< 0.10	-	-	-
Fluorene	mg/kg	0.2	MCERTS	-	< 0.20	-	-	-
Phenanthrene	mg/kg	0.2	MCERTS	-	< 0.20	-	-	-
Anthracene	mg/kg	0.1	MCERTS	-	< 0.10	-	-	-
Fluoranthene	mg/kg	0.2	MCERTS	-	< 0.20	-	-	-
Pyrene	mg/kg	0.2	MCERTS	-	< 0.20	-	-	-
Benzo(a)anthracene	mg/kg	0.2	MCERTS	-	< 0.20	-	-	-
Chrysene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	-
Benzo(b)fluoranthene	mg/kg	0.1	MCERTS	-	< 0.10	-	-	-
Benzo(k)fluoranthene	mg/kg	0.2	MCERTS	-	< 0.20	-	-	-
Benzo(a)pyrene	mg/kg	0.1	MCERTS	-	< 0.10	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.2	MCERTS	-	< 0.20	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.2	MCERTS	-	< 0.20	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	< 0.05	-	-	-
Coronene	mg/kg	0.05	NONE	-	< 0.05	-	-	-
Total PAH								
Total WAC-17 PAHs	mg/kg	1.6	NONE	-	< 1.6	-	-	-
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	-	47	27	110
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	70
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	-	-	-	4.9
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	-	-	1.1
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	-	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	4	MCERTS	-	-	-	-	< 4.0
Chromium (III)	mg/kg	1	NONE	-	-	-	-	240
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	87	57	240
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	17
Lead (aqua regia extractable)	mg/kg	2	MCERTS	-	-	32	15	36
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	-	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	2	MCERTS	-	-	45	31	94
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	360
Zinc (aqua regia extractable)	mg/kg	2	MCERTS	-	-	-	-	210

Analytical Report Number: 12-38437

Project / Site name: Bodicote

Lab Sample Number				239817	239818	239819	239820	239821
Sample Reference				TP102	TP112	TP101	TP103	TP109
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.70	0.10	0.50	0.20
Date Sampled				05/12/2012	06/12/2012	05/12/2012	05/12/2012	05/12/2012
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics								
Benzene	µg/kg	1	MCERTS	-	< 1.0	-	-	-
Toluene	µg/kg	1	MCERTS	-	< 1.0	-	-	-
Ethylbenzene	µg/kg	1	MCERTS	-	< 1.0	-	-	-
p & m-xylene	µg/kg	1	MCERTS	-	< 1.0	-	-	-
o-xylene	µg/kg	1	MCERTS	-	< 1.0	-	-	-
Petroleum Hydrocarbons								
Mineral Oil (C10 - C40)	mg/kg	10	NONE	-	< 10	-	-	-
PCBs by GC-MS								
PCB Congener 28	mg/kg	0.02	NONE	-	< 0.02	-	-	-
PCB Congener 52	mg/kg	0.02	NONE	-	< 0.02	-	-	-
PCB Congener 101	mg/kg	0.02	NONE	-	< 0.02	-	-	-
PCB Congener 118	mg/kg	0.02	NONE	-	< 0.02	-	-	-
PCB Congener 138	mg/kg	0.02	NONE	-	< 0.02	-	-	-
PCB Congener 153	mg/kg	0.02	NONE	-	< 0.02	-	-	-
PCB Congener 180	mg/kg	0.02	NONE	-	< 0.02	-	-	-
Total PCBs	mg/kg	0.3	NONE	-	< 0.30	-	-	-
Organochlorine Pesticides (OCP)								
Aldrin	mg/kg	0.01	NONE	< 0.01	-	-	-	-
Alpha-BHC(Lindane)	mg/kg	0.01	NONE	< 0.01	-	-	-	-
Beta-BHC(Lindane)	mg/kg	0.01	NONE	< 0.01	-	-	-	-
Chlordane (sum of cis & trans isomers)	mg/kg	0.01	NONE	< 0.01	-	-	-	-
DDD	mg/kg	0.01	NONE	< 0.01	-	-	-	-
DDE	mg/kg	0.01	NONE	< 0.01	-	-	-	-
DDT	mg/kg	0.01	NONE	< 0.01	-	-	-	-
Dieldrin	mg/kg	0.01	NONE	< 0.01	-	-	-	-
Endosulphan I	mg/kg	0.01	NONE	< 0.01	-	-	-	-
Endosulphan II	mg/kg	0.01	NONE	< 0.01	-	-	-	-
Endosulphan Sulphate	mg/kg	0.01	NONE	< 0.01	-	-	-	-
Endrin	mg/kg	0.01	NONE	< 0.01	-	-	-	-
Gamma-BHC	mg/kg	0.01	NONE	< 0.01	-	-	-	-
Heptachlor	mg/kg	0.01	NONE	< 0.01	-	-	-	-
Heptachlor epoxide	mg/kg	0.01	NONE	< 0.01	-	-	-	-
Hexachlorobenzene	mg/kg	0.01	NONE	< 0.01	-	-	-	-
Hexachlorocyclohexane	mg/kg	0.01	NONE	< 0.01	-	-	-	-
pp-Methoxychlor	mg/kg	0.01	NONE	< 0.01	-	-	-	-
Propyzamide	mg/kg	0.01	NONE	< 0.01	-	-	-	-
Organophosphorus Pesticides (OPP)								
Azinphos methyl	mg/kg	0.01	NONE	< 0.01	-	-	-	-
Diazinon	mg/kg	0.01	NONE	< 0.01	-	-	-	-
Dichlorvos	mg/kg	0.01	NONE	< 0.01	-	-	-	-
Dimethoate	mg/kg	0.01	NONE	< 0.01	-	-	-	-
Etion	mg/kg	0.01	NONE	< 0.01	-	-	-	-
Fenitrothion	mg/kg	0.01	NONE	< 0.01	-	-	-	-
Malathion	mg/kg	0.01	NONE	< 0.01	-	-	-	-
Mevinphos	mg/kg	0.01	NONE	< 0.01	-	-	-	-
Parathion	mg/kg	0.01	NONE	< 0.01	-	-	-	-
Pirimiphos methyl	mg/kg	0.01	NONE	< 0.01	-	-	-	-

Analytical Report Number: 12-38437

Project / Site name: Bodicote

Lab Sample Number				239822	239823	239824	239825	239826
Sample Reference				TP115	TP114	TP110	TP107	TP116
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.50	0.15	0.50	0.40
Date Sampled				06/12/2012	06/12/2012	05/12/2012	05/12/2012	06/12/2012
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	23	20	22	22	20
Total mass of sample received	kg	0.001	NONE	0.49	0.52	0.49	0.46	0.52
General Inorganics								
pH	pH Units	N/A	MCERTS	-	-	-	-	6.5
Water Soluble Sulphate as SO_4 (2:1)	g/l	0.0025	MCERTS	-	-	-	-	0.015
Water Soluble Sulphate as SO_4 (2:1)	mg/kg	2.5	MCERTS	-	-	-	-	15
Total Organic Carbon (TOC)	%	0.1	MCERTS	-	-	-	-	-
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	-	-	-	-	-
Acenaphthylene	mg/kg	0.2	MCERTS	-	-	-	-	-
Acenaphthene	mg/kg	0.1	MCERTS	-	-	-	-	-
Fluorene	mg/kg	0.2	MCERTS	-	-	-	-	-
Phenanthrene	mg/kg	0.2	MCERTS	-	-	-	-	-
Anthracene	mg/kg	0.1	MCERTS	-	-	-	-	-
Fluoranthene	mg/kg	0.2	MCERTS	-	-	-	-	-
Pyrene	mg/kg	0.2	MCERTS	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0.2	MCERTS	-	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.1	MCERTS	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.2	MCERTS	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0.1	MCERTS	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.2	MCERTS	-	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.2	MCERTS	-	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	-	-	-
Coronene	mg/kg	0.05	NONE	-	-	-	-	-
Total PAH								
Total WAC-17 PAHs	mg/kg	1.6	NONE	-	-	-	-	-
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	98	73	210	70	46
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	61	-	44	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	3.2	-	3.1	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	1.2	-	0.7	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	4	MCERTS	< 4.0	< 4.0	< 4.0	< 4.0	-
Chromium (III)	mg/kg	1	NONE	230	180	360	160	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	230	180	360	160	100
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	15	-	17	-
Lead (aqua regia extractable)	mg/kg	2	MCERTS	39	22	33	27	31
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	2	MCERTS	100	92	150	92	52
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	270	-	250	-
Zinc (aqua regia extractable)	mg/kg	2	MCERTS	-	170	-	210	-

Analytical Report Number: 12-38437

Project / Site name: Bodicote

Lab Sample Number				239822	239823	239824	239825	239826
Sample Reference				TP115	TP114	TP110	TP107	TP116
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.50	0.15	0.50	0.40
Date Sampled				06/12/2012	06/12/2012	05/12/2012	05/12/2012	06/12/2012
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics								
Benzene	µg/kg	1	MCERTS	-	-	-	-	-
Toluene	µg/kg	1	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	1	MCERTS	-	-	-	-	-
p & m-xylene	µg/kg	1	MCERTS	-	-	-	-	-
o-xylene	µg/kg	1	MCERTS	-	-	-	-	-
Petroleum Hydrocarbons								
Mineral Oil (C10 - C40)	mg/kg	10	NONE	-	-	-	-	-
PCBs by GC-MS								
PCB Congener 28	mg/kg	0.02	NONE	-	-	-	-	-
PCB Congener 52	mg/kg	0.02	NONE	-	-	-	-	-
PCB Congener 101	mg/kg	0.02	NONE	-	-	-	-	-
PCB Congener 118	mg/kg	0.02	NONE	-	-	-	-	-
PCB Congener 138	mg/kg	0.02	NONE	-	-	-	-	-
PCB Congener 153	mg/kg	0.02	NONE	-	-	-	-	-
PCB Congener 180	mg/kg	0.02	NONE	-	-	-	-	-
Total PCBs	mg/kg	0.3	NONE	-	-	-	-	-
Organochlorine Pesticides (OCP)								
Aldrin	mg/kg	0.01	NONE	-	-	-	-	-
Alpha-BHC(Lindane)	mg/kg	0.01	NONE	-	-	-	-	-
Beta-BHC(Lindane)	mg/kg	0.01	NONE	-	-	-	-	-
Chlordane (sum of cis & trans isomers)	mg/kg	0.01	NONE	-	-	-	-	-
DDD	mg/kg	0.01	NONE	-	-	-	-	-
DDE	mg/kg	0.01	NONE	-	-	-	-	-
DDT	mg/kg	0.01	NONE	-	-	-	-	-
Dieldrin	mg/kg	0.01	NONE	-	-	-	-	-
Endosulphan I	mg/kg	0.01	NONE	-	-	-	-	-
Endosulphan II	mg/kg	0.01	NONE	-	-	-	-	-
Endosulphan Sulphate	mg/kg	0.01	NONE	-	-	-	-	-
Endrin	mg/kg	0.01	NONE	-	-	-	-	-
Gamma-BHC	mg/kg	0.01	NONE	-	-	-	-	-
Heptachlor	mg/kg	0.01	NONE	-	-	-	-	-
Heptachlor epoxide	mg/kg	0.01	NONE	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.01	NONE	-	-	-	-	-
Hexachlorocyclohexane	mg/kg	0.01	NONE	-	-	-	-	-
pp-Methoxychlor	mg/kg	0.01	NONE	-	-	-	-	-
Propyzamide	mg/kg	0.01	NONE	-	-	-	-	-
Organophosphorus Pesticides (OPP)								
Azinphos methyl	mg/kg	0.01	NONE	-	-	-	-	-
Diazinon	mg/kg	0.01	NONE	-	-	-	-	-
Dichlorvos	mg/kg	0.01	NONE	-	-	-	-	-
Dimethoate	mg/kg	0.01	NONE	-	-	-	-	-
Etion	mg/kg	0.01	NONE	-	-	-	-	-
Fenitrothion	mg/kg	0.01	NONE	-	-	-	-	-
Malathion	mg/kg	0.01	NONE	-	-	-	-	-
Mevinphos	mg/kg	0.01	NONE	-	-	-	-	-
Parathion	mg/kg	0.01	NONE	-	-	-	-	-
Pirimiphos methyl	mg/kg	0.01	NONE	-	-	-	-	-

Analytical Report Number: 12-38437

Project / Site name: Bodicote

Lab Sample Number				239827	239828	239829	239830	239831
Sample Reference				TP106	TP111	TP101	TP114	TP110
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.40	0.50	1.20	2.00	1.10
Date Sampled				05/12/2012	06/12/2012	05/12/2012	06/12/2012	05/12/2012
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	22	19	19	17	24
Total mass of sample received	kg	0.001	NONE	0.50	0.56	1.2	0.99	0.45
General Inorganics								
pH	pH Units	N/A	MCERTS	-	-	6.9	7.0	7.0
Water Soluble Sulphate as SO_4 (2:1)	g/l	0.0025	MCERTS	-	-	0.0079	0.026	0.052
Water Soluble Sulphate as SO_4 (2:1)	mg/kg	2.5	MCERTS	-	-	7.9	26	52
Total Organic Carbon (TOC)	%	0.1	MCERTS	-	-	-	-	-
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	-	-	-	-	-
Acenaphthylene	mg/kg	0.2	MCERTS	-	-	-	-	-
Acenaphthene	mg/kg	0.1	MCERTS	-	-	-	-	-
Fluorene	mg/kg	0.2	MCERTS	-	-	-	-	-
Phenanthrene	mg/kg	0.2	MCERTS	-	-	-	-	-
Anthracene	mg/kg	0.1	MCERTS	-	-	-	-	-
Fluoranthene	mg/kg	0.2	MCERTS	-	-	-	-	-
Pyrene	mg/kg	0.2	MCERTS	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0.2	MCERTS	-	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.1	MCERTS	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.2	MCERTS	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0.1	MCERTS	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.2	MCERTS	-	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.2	MCERTS	-	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	-	-	-
Coronene	mg/kg	0.05	NONE	-	-	-	-	-
Total PAH								
Total WAC-17 PAHs	mg/kg	1.6	NONE	-	-	-	-	-
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	49	30	-	-	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	-	-	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	-	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	-	-	-
Chromium (hexavalent)	mg/kg	4	MCERTS	-	-	-	-	-
Chromium (III)	mg/kg	1	NONE	-	-	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	130	71	-	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Lead (aqua regia extractable)	mg/kg	2	MCERTS	23	16	-	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	-	-
Nickel (aqua regia extractable)	mg/kg	2	MCERTS	56	39	-	-	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	-	-	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Zinc (aqua regia extractable)	mg/kg	2	MCERTS	-	-	-	-	-

Analytical Report Number: 12-38437

Project / Site name: Bodicote

Lab Sample Number				239827	239828	239829	239830	239831
Sample Reference				TP106	TP111	TP101	TP114	TP110
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.40	0.50	1.20	2.00	1.10
Date Sampled				05/12/2012	06/12/2012	05/12/2012	06/12/2012	05/12/2012
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics								
Benzene	µg/kg	1	MCERTS	-	-	-	-	-
Toluene	µg/kg	1	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	1	MCERTS	-	-	-	-	-
p & m-xylene	µg/kg	1	MCERTS	-	-	-	-	-
o-xylene	µg/kg	1	MCERTS	-	-	-	-	-
Petroleum Hydrocarbons								
Mineral Oil (C10 - C40)	mg/kg	10	NONE	-	-	-	-	-
PCBs by GC-MS								
PCB Congener 28	mg/kg	0.02	NONE	-	-	-	-	-
PCB Congener 52	mg/kg	0.02	NONE	-	-	-	-	-
PCB Congener 101	mg/kg	0.02	NONE	-	-	-	-	-
PCB Congener 118	mg/kg	0.02	NONE	-	-	-	-	-
PCB Congener 138	mg/kg	0.02	NONE	-	-	-	-	-
PCB Congener 153	mg/kg	0.02	NONE	-	-	-	-	-
PCB Congener 180	mg/kg	0.02	NONE	-	-	-	-	-
Total PCBs	mg/kg	0.3	NONE	-	-	-	-	-
Organochlorine Pesticides (OCP)								
Aldrin	mg/kg	0.01	NONE	-	-	-	-	-
Alpha-BHC(Lindane)	mg/kg	0.01	NONE	-	-	-	-	-
Beta-BHC(Lindane)	mg/kg	0.01	NONE	-	-	-	-	-
Chlordane (sum of cis & trans isomers)	mg/kg	0.01	NONE	-	-	-	-	-
DDD	mg/kg	0.01	NONE	-	-	-	-	-
DDE	mg/kg	0.01	NONE	-	-	-	-	-
DDT	mg/kg	0.01	NONE	-	-	-	-	-
Dieldrin	mg/kg	0.01	NONE	-	-	-	-	-
Endosulphan I	mg/kg	0.01	NONE	-	-	-	-	-
Endosulphan II	mg/kg	0.01	NONE	-	-	-	-	-
Endosulphan Sulphate	mg/kg	0.01	NONE	-	-	-	-	-
Endrin	mg/kg	0.01	NONE	-	-	-	-	-
Gamma-BHC	mg/kg	0.01	NONE	-	-	-	-	-
Heptachlor	mg/kg	0.01	NONE	-	-	-	-	-
Heptachlor epoxide	mg/kg	0.01	NONE	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.01	NONE	-	-	-	-	-
Hexachlorocyclohexane	mg/kg	0.01	NONE	-	-	-	-	-
pp-Methoxychlor	mg/kg	0.01	NONE	-	-	-	-	-
Propyzamide	mg/kg	0.01	NONE	-	-	-	-	-
Organophosphorus Pesticides (OPP)								
Azinphos methyl	mg/kg	0.01	NONE	-	-	-	-	-
Diazinon	mg/kg	0.01	NONE	-	-	-	-	-
Dichlorvos	mg/kg	0.01	NONE	-	-	-	-	-
Dimethoate	mg/kg	0.01	NONE	-	-	-	-	-
Etion	mg/kg	0.01	NONE	-	-	-	-	-
Fenitrothion	mg/kg	0.01	NONE	-	-	-	-	-
Malathion	mg/kg	0.01	NONE	-	-	-	-	-
Mevinphos	mg/kg	0.01	NONE	-	-	-	-	-
Parathion	mg/kg	0.01	NONE	-	-	-	-	-
Pirimiphos methyl	mg/kg	0.01	NONE	-	-	-	-	-

Analytical Report Number: 12-38437

Project / Site name: Bodicote

Lab Sample Number				239832				
Sample Reference				TP117				
Sample Number				None Supplied				
Depth (m)				0.60				
Date Sampled				06/12/2012				
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1				
Moisture Content	%	N/A	NONE	25				
Total mass of sample received	kg	0.001	NONE	0.45				
General Inorganics								
pH	pH Units	N/A	MCERTS	7.1				
Water Soluble Sulphate as SO_4 (2:1)	g/l	0.0025	MCERTS	0.024				
Water Soluble Sulphate as SO_4 (2:1)	mg/kg	2.5	MCERTS	23				
Total Organic Carbon (TOC)	%	0.1	MCERTS	-				
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	-				
Acenaphthylene	mg/kg	0.2	MCERTS	-				
Acenaphthene	mg/kg	0.1	MCERTS	-				
Fluorene	mg/kg	0.2	MCERTS	-				
Phenanthrene	mg/kg	0.2	MCERTS	-				
Anthracene	mg/kg	0.1	MCERTS	-				
Fluoranthene	mg/kg	0.2	MCERTS	-				
Pyrene	mg/kg	0.2	MCERTS	-				
Benzo(a)anthracene	mg/kg	0.2	MCERTS	-				
Chrysene	mg/kg	0.05	MCERTS	-				
Benzo(b)fluoranthene	mg/kg	0.1	MCERTS	-				
Benzo(k)fluoranthene	mg/kg	0.2	MCERTS	-				
Benzo(a)pyrene	mg/kg	0.1	MCERTS	-				
Indeno(1,2,3-cd)pyrene	mg/kg	0.2	MCERTS	-				
Dibenz(a,h)anthracene	mg/kg	0.2	MCERTS	-				
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-				
Coronene	mg/kg	0.05	NONE	-				
Total PAH								
Total WAC-17 PAHs	mg/kg	1.6	NONE	-				
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-				
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-				
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-				
Boron (water soluble)	mg/kg	0.2	MCERTS	-				
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-				
Chromium (hexavalent)	mg/kg	4	MCERTS	-				
Chromium (III)	mg/kg	1	NONE	-				
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-				
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-				
Lead (aqua regia extractable)	mg/kg	2	MCERTS	-				
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-				
Nickel (aqua regia extractable)	mg/kg	2	MCERTS	-				
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-				
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-				
Zinc (aqua regia extractable)	mg/kg	2	MCERTS	-				

Analytical Report Number: 12-38437

Project / Site name: Bodicote

Lab Sample Number				239832				
Sample Reference				TP117				
Sample Number				None Supplied				
Depth (m)				0.60				
Date Sampled				06/12/2012				
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics								
Benzene	µg/kg	1	MCERTS	-				
Toluene	µg/kg	1	MCERTS	-				
Ethylbenzene	µg/kg	1	MCERTS	-				
p & m-xylene	µg/kg	1	MCERTS	-				
o-xylene	µg/kg	1	MCERTS	-				
Petroleum Hydrocarbons								
Mineral Oil (C10 - C40)	mg/kg	10	NONE	-				
PCBs by GC-MS								
PCB Congener 28	mg/kg	0.02	NONE	-				
PCB Congener 52	mg/kg	0.02	NONE	-				
PCB Congener 101	mg/kg	0.02	NONE	-				
PCB Congener 118	mg/kg	0.02	NONE	-				
PCB Congener 138	mg/kg	0.02	NONE	-				
PCB Congener 153	mg/kg	0.02	NONE	-				
PCB Congener 180	mg/kg	0.02	NONE	-				
Total PCBs	mg/kg	0.3	NONE	-				
Organochlorine Pesticides (OCP)								
Aldrin	mg/kg	0.01	NONE	-				
Alpha-BHC(Lindane)	mg/kg	0.01	NONE	-				
Beta-BHC(Lindane)	mg/kg	0.01	NONE	-				
Chlordane (sum of cis & trans isomers)	mg/kg	0.01	NONE	-				
DDD	mg/kg	0.01	NONE	-				
DDE	mg/kg	0.01	NONE	-				
DDT	mg/kg	0.01	NONE	-				
Dieldrin	mg/kg	0.01	NONE	-				
Endosulphan I	mg/kg	0.01	NONE	-				
Endosulphan II	mg/kg	0.01	NONE	-				
Endosulphan Sulphate	mg/kg	0.01	NONE	-				
Endrin	mg/kg	0.01	NONE	-				
Gamma-BHC	mg/kg	0.01	NONE	-				
Heptachlor	mg/kg	0.01	NONE	-				
Heptachlor epoxide	mg/kg	0.01	NONE	-				
Hexachlorobenzene	mg/kg	0.01	NONE	-				
Hexachlorocyclohexane	mg/kg	0.01	NONE	-				
pp-Methoxychlor	mg/kg	0.01	NONE	-				
Propyzamide	mg/kg	0.01	NONE	-				
Organophosphorus Pesticides (OPP)								
Azinphos methyl	mg/kg	0.01	NONE	-				
Diazinon	mg/kg	0.01	NONE	-				
Dichlorvos	mg/kg	0.01	NONE	-				
Dimethoate	mg/kg	0.01	NONE	-				
Etion	mg/kg	0.01	NONE	-				
Fenitrothion	mg/kg	0.01	NONE	-				
Malathion	mg/kg	0.01	NONE	-				
Mevinphos	mg/kg	0.01	NONE	-				
Parathion	mg/kg	0.01	NONE	-				
Pirimiphos methyl	mg/kg	0.01	NONE	-				

Analytical Report Number: 12-38437

Project / Site name: Bodicote

Lab Sample Number				239833				
Sample Reference				TP112				
Sample Number				None Supplied				
Depth (m)				0.70				
Date Sampled				06/12/2012				
Time Taken				None Supplied				
Analytical Parameter (Two-stage Leachate Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
General 2:1								
Sulphate as SO_4	mg/l	0.2	NONE	3.7				
Monohydric Phenols	mg/l	0.16	NONE	< 0.16				
Chloride	mg/l	4	NONE	< 4.0				
Fluoride	mg/l	0.05	NONE	0.89				
Dissolved Organic Carbon	mg/l	0.1	NONE	6.9				
Total Dissolved Solids	mg/l	4	NONE	60				
Arsenic	mg/l	0.01	NONE	< 0.010				
Cadmium	mg/l	0.0005	NONE	< 0.0005				
Chromium	mg/l	0.001	NONE	0.0030				
Lead	mg/l	0.005	NONE	< 0.0050				
Mercury	mg/l	0.0015	NONE	< 0.0015				
Selenium	mg/l	0.01	NONE	< 0.010				
Copper	mg/l	0.001	NONE	0.0017				
Nickel	mg/l	0.001	NONE	< 0.0010				
Zinc	mg/l	0.001	NONE	< 0.0010				
Antimony	mg/l	0.005	NONE	< 0.0050				
Molybdenum	mg/l	0.003	NONE	< 0.0030				
Barium	mg/l	0.005	NONE	0.017				
General 2:1								
Sulphate as SO_4	mg/kg	0.5	NONE	7.3				
Monohydric Phenols	mg/kg	0.4	NONE	< 0.40				
Chloride	mg/kg	12	NONE	< 12				
Fluoride	mg/kg	0.05	NONE	1.8				
Dissolved Organic Carbon	mg/kg	0.3	NONE	14				
Total Dissolved Solids	mg/kg	12	NONE	120				
Arsenic	mg/kg	0.03	NONE	< 0.030				
Cadmium	mg/kg	0.0015	NONE	< 0.0015				
Chromium	mg/kg	0.003	NONE	0.0061				
Lead	mg/kg	0.015	NONE	< 0.015				
Mercury	mg/kg	0.005	NONE	< 0.0050				
Selenium	mg/kg	0.03	NONE	< 0.030				
Copper	mg/kg	0.003	NONE	0.0035				
Nickel	mg/kg	0.002	NONE	< 0.0020				
Zinc	mg/kg	0.003	NONE	< 0.0030				
Antimony	mg/kg	0.015	NONE	< 0.015				
Molybdenum	mg/kg	0.01	NONE	< 0.010				
Barium	mg/kg	0.015	NONE	0.033				

Analytical Report Number: 12-38437

Project / Site name: Bodicote

Lab Sample Number				239833				
Sample Reference				TP112				
Sample Number				None Supplied				
Depth (m)				0.70				
Date Sampled				06/12/2012				
Time Taken				None Supplied				
Analytical Parameter (Two-stage Leachate Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
General 8:1								
Sulphate as SO_4	mg/l	0.2	NONE	1.1				
Monohydric Phenols	mg/l	0.13	NONE	< 0.13				
Chloride	mg/l	4	NONE	< 4.0				
Fluoride	mg/l	0.05	NONE	0.87				
Dissolved Organic Carbon	mg/l	0.1	NONE	3.6				
Total Dissolved Solids	mg/l	4	NONE	30				
Arsenic	mg/l	0.01	NONE	< 0.010				
Cadmium	mg/l	0.0005	NONE	< 0.0005				
Chromium	mg/l	0.001	NONE	0.0010				
Lead	mg/l	0.005	NONE	< 0.0050				
Mercury	mg/l	0.0015	NONE	< 0.0015				
Selenium	mg/l	0.01	NONE	< 0.010				
Copper	mg/l	0.003	NONE	< 0.0030				
Nickel	mg/l	0.001	NONE	< 0.0010				
Zinc	mg/l	0.001	NONE	< 0.0010				
Antimony	mg/l	0.005	NONE	< 0.0050				
Molybdenum	mg/l	0.003	NONE	< 0.0030				
Barium	mg/l	0.005	NONE	0.0090				
General 10:1								
Sulphate as SO_4	mg/kg	1	NONE	13				
Monohydric Phenols	mg/kg	0.5	NONE	< 0.50				
Chloride	mg/kg	15	NONE	< 15				
Fluoride	mg/kg	0.2	NONE	8.7				
Dissolved Organic Carbon	mg/kg	0.5	NONE	39				
Total Dissolved Solids	mg/kg	15	NONE	330				
Arsenic	mg/kg	0.05	NONE	< 0.050				
Cadmium	mg/kg	0.002	NONE	< 0.0020				
Chromium	mg/kg	0.005	NONE	0.012				
Lead	mg/kg	0.02	NONE	< 0.020				
Mercury	mg/kg	0.01	NONE	< 0.010				
Selenium	mg/kg	0.04	NONE	< 0.040				
Copper	mg/kg	0.002	NONE	0.0062				
Nickel	mg/kg	0.005	NONE	< 0.0050				
Zinc	mg/kg	0.004	NONE	< 0.0040				
Antimony	mg/kg	0.02	NONE	< 0.020				
Molybdenum	mg/kg	0.02	NONE	< 0.020				
Barium	mg/kg	0.02	NONE	0.096				

Analytical Report Number : 12-38437

Project / Site name: Bodicote

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and topsoil/loam soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 2 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
239817	TP102	None Supplied	0.50	Light brown sandy clay.
239818	TP112	None Supplied	0.70	Light brown sandy clay.
239819	TP101	None Supplied	0.10	Brown sandy clay.
239820	TP103	None Supplied	0.50	Brown sandy clay.
239821	TP109	None Supplied	0.20	Brown sandy clay with vegetation.
239822	TP115	None Supplied	0.10	Brown sandy clay with vegetation.
239823	TP114	None Supplied	0.50	Brown sandy clay.
239824	TP110	None Supplied	0.15	Brown sandy clay.
239825	TP107	None Supplied	0.50	Brown sandy clay with vegetation.
239826	TP116	None Supplied	0.40	Brown sandy clay.
239827	TP106	None Supplied	0.40	Brown sandy clay.
239828	TP111	None Supplied	0.50	Light brown sandy clay with vegetation.
239829	TP101	None Supplied	1.20	Light brown sandy clay.
239830	TP114	None Supplied	2.00	Light brown clay and sand.
239831	TP110	None Supplied	1.10	Brown sandy clay.
239832	TP117	None Supplied	0.60	Brown sandy clay.

Analytical Report Number : 12-38437

Project / Site name: Bodicote

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	L038-PL	D	MCERTS
BTEX in soil	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073S-PL	W	MCERTS
Chloride in WAC leachate	Determination of chloride in leachate by Gallery discrete analyser.	In-house method based on Standard Methods for the Examination of Water and Waste Water, 21st Ed.	L080-PL	W	NONE
Cr (III) in soil	In-house method by calculation from total Cr and Cr VI.	In-house method by calculation	L080-PL	D	NONE
Dissolved organic carbon in WAC leachate	Determination of dissolved organic carbon in leachate by the measurement on a non-dispersive infrared analyser of carbon dioxide released by acidification.	In-house method based on Standard Methods for the Examination of Water and Waste Water, 21st Ed.	L037-PL	W	NONE
Fluoride in WAC leachate	Determination of fluoride in leachate by 1:1ratio with a buffer solution followed by Ion Selective Electrode.	In-house method based on Standard Methods for the Examination of Water and Waste Water, 21st Ed.	L033-PL	W	NONE
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	D	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Metals in WAC leachate	Determination of metals in leachate by acidification followed by ICP-OES.	In-house method based on Standard Methods for the Examination of Water and Waste Water, 21st Ed.	L039-PL	W	NONE
Mineral Oil (Soil)		in-house method	L064-PL		NONE
Moisture Content	Moisture content, determined gravimetrically.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L019-UK/PL	W	NONE
Monohydric phenols (Phenol Index) in WAC leachate	Determination of phenols in leachate by continuous flow analyser.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	NONE
Organochlorine pesticides in soil	Determination of organochlorine pesticides in soil by GC-MS	In-house method	L095-UK	W	NONE
Organophosphorous pesticides in soil	Determination of organophosphorous pesticides in soil by GC-MS	In-house method	L095-UK	W	NONE
PCB's By GC-MS in soil	Determination of PCB by extraction with acetone and hexane followed by GC-MS.	In-house method based on USEPA 8082	L027-PL	D	NONE

Analytical Report Number : 12-38437

Project / Site name: Bodicote

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
pH in soil	Determination of pH in soil by addition of water followed by electrometric measurement.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L005-PL	W	MCERTS
Speciated WAC-17 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	NONE
Stones content of soil	Stones not passing through a 10 mm sieve is determined gravimetrically and reported as a percentage of the dry weight. Sample results are not corrected for the stone content of the sample.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Sulphate in WAC leachate	Determination of sulphate in leachate by acidification followed by ICP-OES.	In-house method based on Standard Methods for the Examination of Water and Waste Water, 21st Ed.	L039-PL	W	NONE
Sulphate, water soluble, in soil	Determination of water soluble sulphate by extraction with water followed by ICP-OES.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L038-PL	D	MCERTS
Total dissolved solids in WAC leachate	Determination of total dissolved solids in leachate by electrometric measurement.	In-house method based on Standard Methods for the Examination of Water and Waste Water, 21st Ed.	L004-PL	W	NONE
Total organic carbon in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L023-PL	D	MCERTS

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

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Analytical Report Number : 13-38683

Project / Site name:	Bodicote	**Samples received on:**	14/12/2012
Your job number:	12151J	**Samples instructed on:**	04/01/2013
Your order number:		**Analysis completed by:**	16/01/2013
Report Issue Number:	1	**Report issued on:**	16/01/2013
Samples Analysed:	2 soil samples		

Signed:

Dr Claire Stone
Quality Manager
For & on behalf of i2 Analytical Ltd.

Signed:

Rexona Rahman
Customer Services Manager
For & on behalf of i2 Analytical Ltd.

Other office located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting

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Analytical Report Number: 13-38683

Project / Site name: Bodicole

Lab Sample Number				241480	241481	241481D	CRM	
Sample Reference				TP114	TP110			
Sample Number				239823	239824			
Depth (m)				0.50	0.15	Duplicate	-	
Date Sampled				05/12/2012	05/12/2012			
Time Taken				None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	96	96	96	-	
Moisture Content	%	N/A	NONE	18	22	22	-	
Total mass of sample received	kg	0.001	NONE	0.52	0.49	0.49	-	
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	64	220	220	104	
Nickel (aqua regia extractable)	mg/kg	2	MCERTS	-	160	160	80	
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	230	-		356	

Bioaccessibility Testing - Unified BARGE Bioaccessibility Method Data

Stomach Phase								
Arsenic (Bioaccessible)	mg/kg	1	None	**4.2**	**5.8**	**5.8**	**5.0**	
Arsenic Bioaccessible Fraction	%	-	None	**6.5**	**2.6**	**2.6**	**4.8**	
Nickel (Bioaccessible)	mg/kg	1	None	**-**	**4.4**	**4.7**	**11.9**	
Nickel Bioaccessible Fraction	%	-	None	**-**	**2.8**	**2.9**	**14.9**	
Vanadium (Bioaccessible)	mg/kg	1	None	**10.7**	**-**	**-**	**7.7**	
Vanadium Bioaccessible Fraction	%	-	None	**4.7**	**-**	**-**	**2.2**	
Stomach and Intestine Phase								
Arsenic (Bioaccessible)	mg/kg	1	None	3.7	5.7	5.7	4.0	
Arsenic Bioaccessible Fraction	%	-	None	5.8	2.6	2.6	3.9	
Nickel (Bioaccessible)	mg/kg	1	None	-	3.7	3.6	7.3	
Nickel Bioaccessible Fraction	%	-	None	-	2.3	2.3	9.1	
Vanadium (Bioaccessible)	mg/kg	1	None	2.8	-	-	2.9	
Vanadium Bioaccessible Fraction	%	-	None	1.2	-	-	0.8	

Bioaccessibiltiy Summary Data (Maximum value) Stomach Phase (S) or Stomach and Intestine Phase (SI)

Arsenic Bioaccessible Fraction	%	-	None	**6.5**	**2.6**	**2.6**	**4.8**	
Nickel Bioaccessible Fraction	%	-	None	-	**2.8**	**2.9**	**14.9**	
Vanadium Bioaccessible Fraction	%	-	None	**4.7**	**-**	**-**	**2.2**	

Analytical Report Number : 13-38683

Project / Site name: Bodicole

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and topsoil/loam soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 2 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
241480	TP114	239823	0.50	Light brown clay and sand with vegetation and stones.
241481	TP110	239824	0.15	Light brown clay and sand.

Analytical Report Number : 13-38683

Project / Site name: Bodicole

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L019-UK	W	NONE
Stones content of soil	Stones not passing through a 250 µm sieve is determined gravimetrically and reported as a percentage of the dry weight. Sample results are not corrected for the stone content of the sample.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK	D	NONE

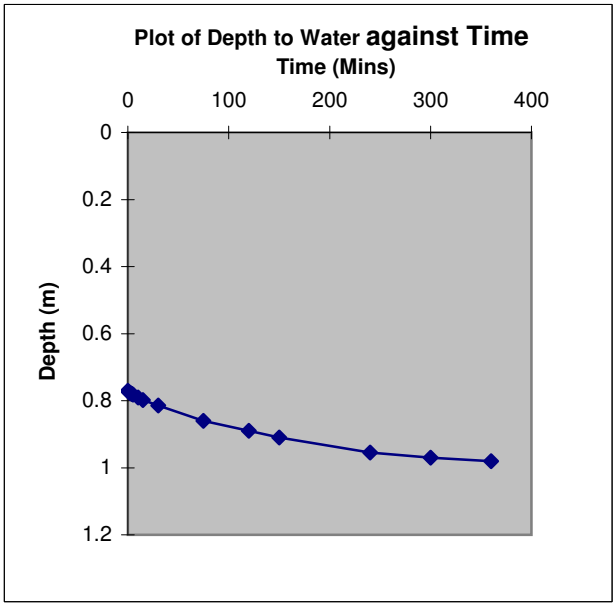
For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Testing was carried out in accordance with the BARGE UBM protocol. The model used was the fasted model, in accordance with recommended protocol. Each batch of samples comprised one duplicate and one certified reference material, the data for both are reported. Both the the duplicate and certified reference material results meet the method defined criteria.

Bioaccessibile Fraction (%) is calculated as follows: $\frac{\text{Element (bioaccessible)}}{\text{Element (total aqua regia extractable)}} \times 100$

APPENDIX H

Soakaway Results



Time Elapsed (t) mins	Depth below Ground level at time t (m)
0	0.77
1	0.774
2	0.776
3	0.778
4	0.78
5	0.782
10	0.79
15	0.798
30	0.814
75	0.86
120	0.89
150	0.91
240	0.955
300	0.97
360	0.98

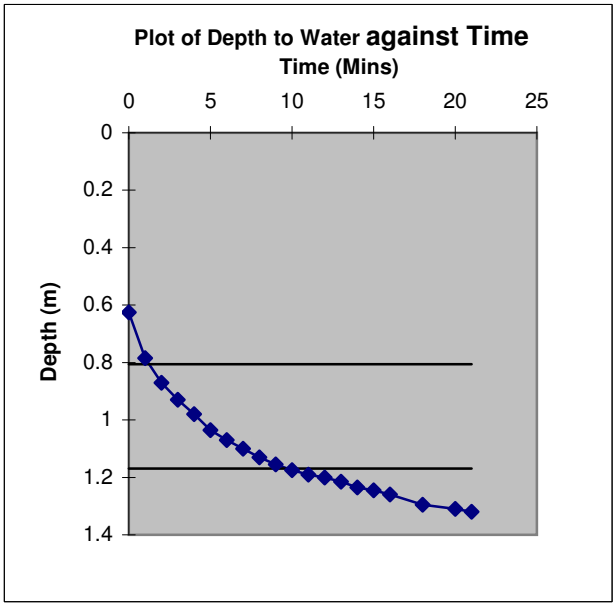
Trial Pit No:	TP119
Date:	07/12/2012

Test Details

Length of Trial Pit **a** (m):	1.3
Width of Trial Pit **b** (m):	0.4
Depth of Trial Pit **D** (m):	2.5
Test Strata:	SILTS
Maximum Effective Depth (m)	0.77
Volume Outflow between 75% and 25% effective depth ((Vp75-25)m3)	N/A
Time for water to fall from 75% to 25% effective depth ((Tp75-25)mins)	N/A
Outflow Area ((Ap50) m2)	N/A
Soil Infiltration rate ((f)m/s)	N/A

Remarks: Soakage rate insuffient to allow infiltration rate to be calculated

Soakaway Test	**Project** **Oxford Road, Bodicote**	**Contract** **12160J**
The Brownfield Consultancy		**Figure** A1

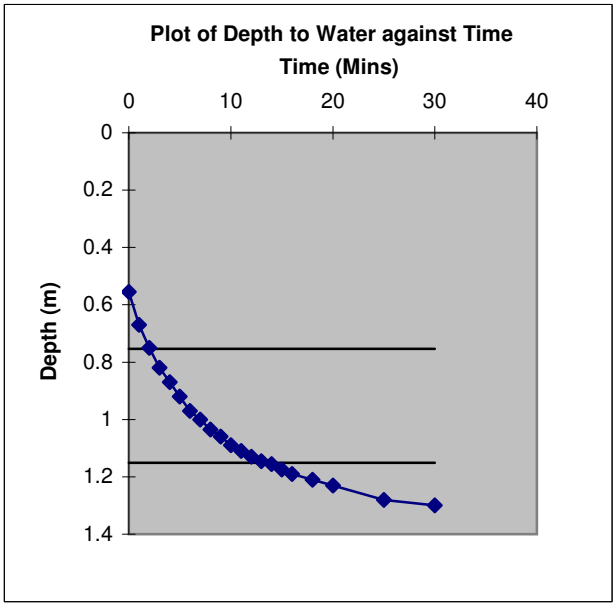


Time Elapsed (t) mins	Depth below Ground level at time t (m)
0	0.625
1	0.785
2	0.87
3	0.93
4	0.98
5	1.035
6	1.07
7	1.1
8	1.13
9	1.155
10	1.175
11	1.19
12	1.2
13	1.215
14	1.235
15	1.245
16	1.26
18	1.295
20	1.31
21	1.32

Trial Pit No:	TP120 - Test 1	
Date:	07/12/2012	
Test Details		
Length of Trial Pit **a** (m):		1.1
Width of Trial Pit **b** (m):		0.4
Depth of Trial Pit **D** (m):		1.35
Test Strata:	IRONSTONE	
Maximum Effective Depth (m)		0.625
Volume Outflow between 75% and 25% effective depth ((Vp75-25)m3)		0.1595
Time for water to fall from 75% to 25% effective depth ((Tp75-25)mins)		8.4375
Outflow Area ((Ap50) m2)		1.5275
Soil Infiltration rate ((f)m/s)		2.06E-04

Remarks:

Soakaway Test	**Project**	**Contract**
	Oxford Road, Bodicote	**12160J**
The Brownfield Consultancy		**Figure** A2



Trial Pit No:	TP120 - Test 2
Date:	07/12/2012

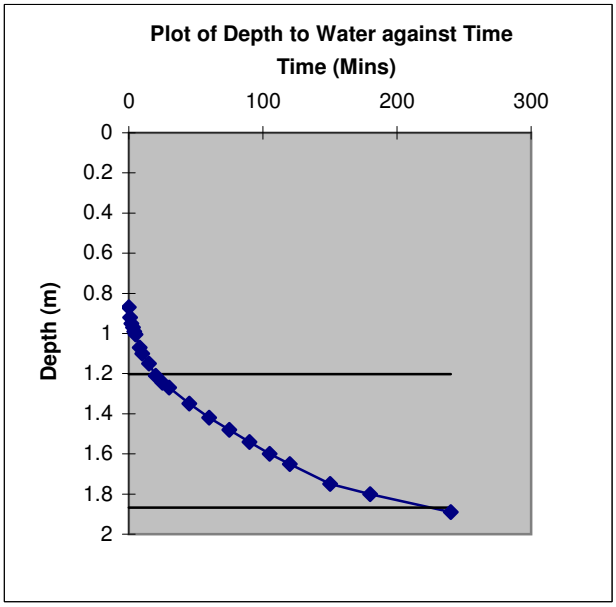
Test Details

Length of Trial Pit **a** (m):	1.1
Width of Trial Pit **b** (m):	0.4
Depth of Trial Pit **D** (m):	1.35
Test Strata:	IRONSTONE
Maximum Effective Depth (m)	0.555
Volume Outflow between 75% and 25% effective depth ((Vp75-25)m3)	0.1749
Time for water to fall from 75% to 25% effective depth ((Tp75-25)mins)	11.57142857
Outflow Area ((Ap50) m2)	1.6325
Soil Infiltration rate ((f)m/s)	1.54E-04

Time Elapsed (t) mins	Depth below Ground level at time t (m)
0	0.555
1	0.67
2	0.75
3	0.82
4	0.87
5	0.92
6	0.97
7	1
8	1.035
9	1.06
10	1.09
11	1.11
12	1.13
13	1.145
14	1.155
15	1.175
16	1.19
18	1.21
20	1.23
25	1.28
30	1.3

Remarks:

Soakaway Test	**Project**	**Contract**
	Oxford Road, Bodicote	**12160J**
The Brownfield Consultancy		**Figure** A3



Time Elapsed (t) mins	Depth below Ground level at time t (m)
0	0.87
1	0.92
2	0.95
3	0.97
4	0.99
5	1.005
8	1.07
10	1.1
15	1.15
20	1.21
25	1.245
30	1.27
45	1.35
60	1.42
75	1.48
90	1.54
105	1.6
120	1.65
150	1.75
180	1.8
240	1.89

Trial Pit No: TP121

Date: 07/12/2012

Test Details

Length of Trial Pit **a** (m):	1.35
Width of Trial Pit **b** (m):	0.4
Depth of Trial Pit **D** (m):	2.2
Test Strata:	CLAY/LIMESTONE
Maximum Effective Depth (m)	0.87
Volume Outflow between 75% and 25% effective depth ((Vp75-25)m3)	0.3591
Time for water to fall from 75% to 25% effective depth ((Tp75-25)mins)	205.625
Outflow Area ((Ap50) m2)	2.8675
Soil Infiltration rate ((f)m/s)	1.02E-05

Remarks: Note Infiltration likley to be primarily through base in limestone

Soakaway Test	**Project** **Oxford Road, Bodicote**	**Contract** **12160J**
The Brownfield Consultancy		**Figure** A4

APPENDIX I

CLEA Spreadsheets

STEP 5: RESULTS

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		Ratio of ADE to relevant Health	
		oral HCV	inhal HCV
Number	Chemical	(dimensionless)	(dimensionless)
1	Arsenic	0.39	1.00
2	Nickel	0.00	1.00
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

orts | Back to Guide

	Soil Assessment Criteria			Soil Saturation Limit
Combined	oral HCV	inhal HCV	Combined	
(dimensionless)	mg kg^{-1}	mg kg^{-1}	mg kg^{-1}	mg kg^{-1}
NR	**2.20E+02**	**8.50E+01**	**NR**	NR
NR	**1.37E+04**	**1.27E+02**	**NR**	NR

Pathway Contributions (%)					
direct soil ingestion	sum of consumption of homegrown produce and attached soil	dermal contact (indoor)	dermal contact (outdoor)	inhalation of dust (indoor)	inhalation of dust (outdoor)
%	%	%	%	%	%
16.02	0.00	3.00	79.29	1.69	0.00
24.18	0.00	0.75	19.95	2.56	0.00

inhalation of vapour (indoor)	inhalation of vapour (outdoor)	oral background	inhalation background	Total
%	%	%	%	%
0.00	0.00	0.00	0.00	100.00
0.00	0.00	47.44	2.56	97.44

ADVANCED SETTINGS

Restore Defaults | Back to Menu

Chemical Name	Chemical type	Oral HCV					Inhala	
		Type	µg kg^{-1} BW day^{-1}	Compare with			Type	µg kg^{-1} BW day^{-1}
				Oral exposure	Dermal exposure	Inhalation exposure		
Arsenic	inorganic	ID	3.00E-01	Yes	Yes	No	ID	2.00E-03
Nickel	inorganic	TDI	1.20E+01	Yes	Yes	Yes	TDI	6.00E-03

tion HCV			Combine oral and inhalation AC	Oral MDI for adults	Inhalation MDI for adults	Air-water partition coefficient (K_{aw})	Diffusion coefficient in air	Diffusion coefficient in water
Compare with								
Oral exposure	Dermal exposure	Inhalation exposure		µg day^{-1}	µg day^{-1}	cm^3 cm^{-3}	m^2 s^{-1}	m^2 s^{-1}
No	No	Yes	No	NR	NR	NR	NR	NR
No	No	Yes	No	1.30E+02	6.00E-02	NR	NR	NR

Relative molecular mass	Vapour pressure	Water solubility	K_{oc}	K_{ow}	K_d	Dermal absorption fraction	Soil - plant availability correction
g mol^{-1}	Pa	mg L^{-1}	Log (cm^3 g^{-1})	Log (dimensionless)	cm^3 g^{-1}	dimensionless	dimensionless
NR	NR	1.25E+06	NR	NR	5.00E+02	3.00E-02	NR
NR	NR	2.50E+06	NR	NR	5.00E+02	5.00E-03	NR

Root - shoot correction factor	Root - root store correction factor	Root - tuber correction factor	Root - fruit correction factor	Soil-to-plant concentration factor (green vegetables)	
dimensionless	dimensionless	dimensionless	dimensionless	mg g^{-1} plant (DW or FW basis) over mg g^{-1} DW soil	Type
NR	NR	NR	NR	4.30E-04	numeric fw
NR	NR	NR	NR	3.80E-03	numeric fw

Soil-to-plant concentration factor (root vegetables)		Soil-to-plant concentration factor (tuber vegetables)		Soil-to-plant concentration factor (herbaceous fruit)	
mg g^{-1} plant (DW or FW basis) over mg g^{-1} DW soil	Type	mg g^{-1} plant (DW or FW basis) over mg g^{-1} DW soil	Type	mg g^{-1} plant (DW or FW basis) over mg g^{-1} DW soil	Type
4.00E-04	numeric fw	2.30E-04	numeric fw	3.30E-04	numeric fw
4.30E-03	numeric fw	1.90E-03	numeric fw	2.50E-03	numeric fw

Soil-to-plant concentration factor (shrub fruit)		Soil-to-plant concentration factor (tree fruit)		Soil-to-dust transport factor (g g^{-1} DW)	Sub-surface soil to indoor air correction factor (dimensionless)
mg g^{-1} plant (DW or FW basis) over mg g^{-1} DW soil	Type	mg g^{-1} plant (DW or FW basis) over mg g^{-1} DW soil	Type		
2.00E-04	numeric fw	1.10E-03	numeric fw	0.50	1.0
2.50E-03	numeric fw	3.40E-03	numeric fw	0.50	1.0

Relative bioavailability ($RBA_{soil,tox}$)	
Soil	Airborne dust
0.03	1.00
0.03	1.00

STEP 5: RESULTS

Find AC | Print Repo

		Ratio of ADE to relevant Health	
		oral HCV	inhal HCV
Number	Chemical	(dimensionless)	(dimensionless)
1	Vanadium	0.08	1.00
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
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orts | Back to Guide

	Soil Assessment Criteria			Soil Saturation Limit
Combined	oral HCV	inhal HCV	Combined	
(dimensionless)	mg kg^{-1}	mg kg^{-1}	mg kg^{-1}	mg kg^{-1}
NR	**4.89E+03**	**6.08E+02**	**NR**	NR

Pathway Contributions (%)					
direct soil ingestion	sum of consumption of homegrown produce and attached soil	dermal contact (indoor)	dermal contact (outdoor)	inhalation of dust (indoor)	inhalation of dust (outdoor)
%	%	%	%	%	%
46.84	0.00	0.00	0.00	3.16	0.00

inhalation of vapour (indoor)	inhalation of vapour (outdoor)	oral background	inhalation background	Total
%	%	%	%	%
0.00	0.00	46.84	3.16	100.00

APPENDIX J

Limitations

LIMITATIONS

This report is confidential and has been prepared solely for the benefit of the client and those parties with whom a warranty agreement has been executed, or with whom an assignment has been agreed. Should any third party wish to use or rely upon the contents of the report, written approval must be sought from The Brownfield Consultancy.

Additional information, improved practice or changes in legislation may necessitate this report having to be reviewed in whole or in part after that date. If necessary, this report should be referred back to The Brownfield Consultancy for re-assessment and, if necessary, re-appraisal.

DESK TOP STUDIES

The work comprised a study of available documented information from a variety of sources. The opinions given in this report have been dictated by the finite data on which they are based and are relevant only to the purpose for which the report was commissioned. The information reviewed should not be considered exhaustive. Should additional information become available which may affect the opinions expressed in this report, The Brownfield Consultancy reserves the right to review such information and, if warranted, to modify the opinions accordingly.

The evaluation and conclusions do not preclude the existence of contamination, which could not reasonably have been revealed by the current work. Hence this report should be used for information purposes only and should not be construed as a comprehensive characterisation of all site conditions.

INTRUSIVE INVESTIGATIONS

The investigation of the site has been carried out to provide sufficient information concerning the type and degree of contamination, and ground and groundwater conditions to allow a reasonable risk assessment to be made.

Where intrusive investigations have been undertaken they have been designed to provide a reasonable level of assurance on the conditions. Given the discrete nature of sampling, no