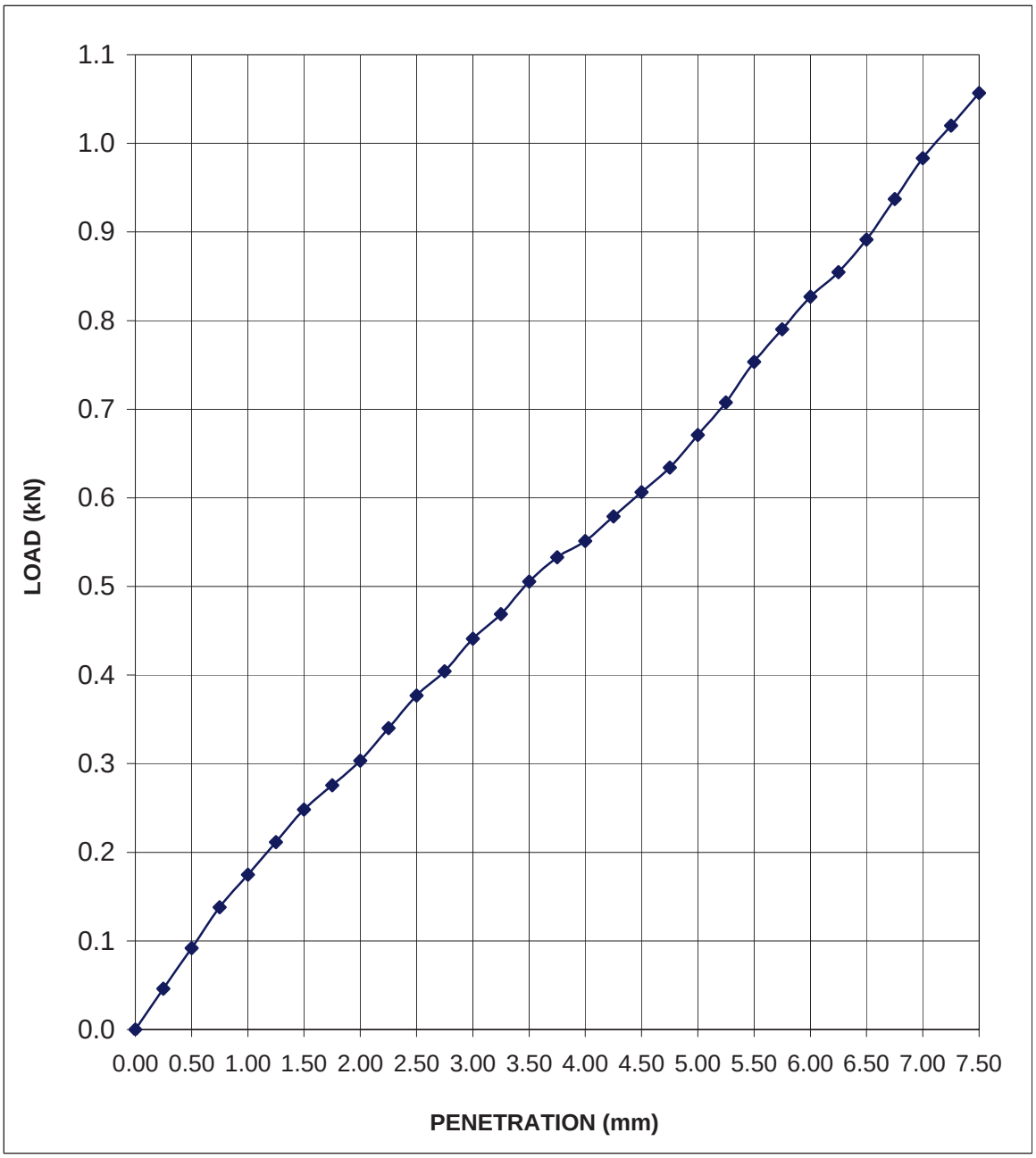
DETERMINATION OF IN-SITU CALIFORNIA BEARING RATIO (CBR)

ERS, West of Newtonhill, Aberdeen

GRAPH DETAILING RESULTS



SUMMARY OF RESULTS

Description :	Dark brown slightly organic silty sandy TOPSOIL.			Test Ref :	32
Moisture Content (%)	32			Location:	CBR 6
CBR @ 2.5mm (%)	2.9	CBR @ 5.0mm (%)	3.4	Depth :	0.3m
Surcharge Applied		No			
Material >20mm present		No	Est (%) N/A		
Accepted CBR Value (%)		**3.4**			

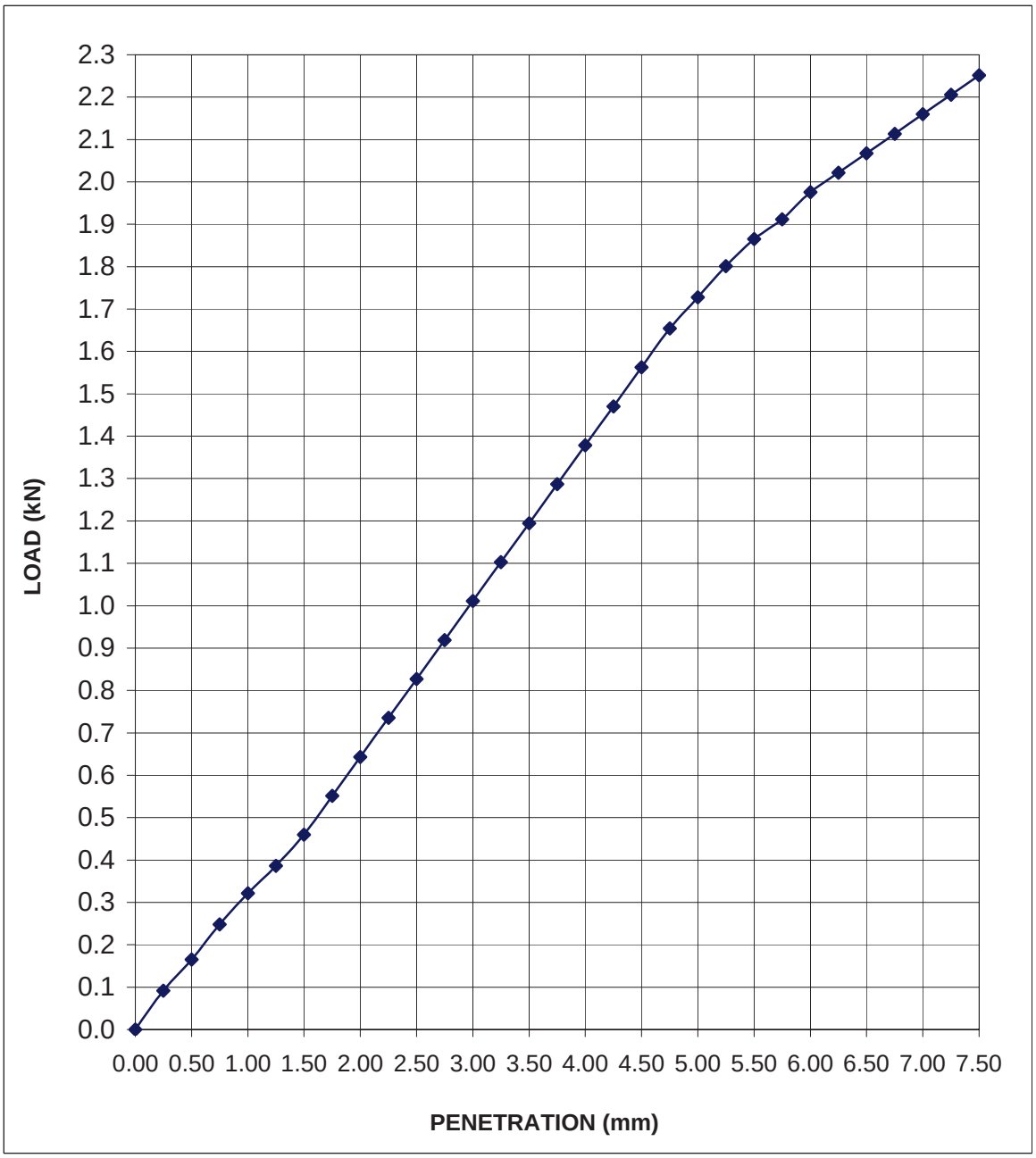
Tested in accordance with BS1377 : Part 9 : 1990 : Cl 4.3

UKAS TESTING 2545

DETERMINATION OF IN-SITU CALIFORNIA BEARING RATIO (CBR)

ERS, West of Newtonhill, Aberdeen

GRAPH DETAILING RESULTS



SUMMARY OF RESULTS

Description :	Pale brown and brown silty gravelly fine to medium SAND with occasional angular cobbles.			Test Ref :	33
Moisture Content (%)	34			Location:	CBR 6
CBR @ 2.5mm (%)	6.3	CBR @ 5.0mm (%)	8.6	Depth :	0.6m
Surcharge Applied		No			
Material >20mm present		No	Est (%) N/A		
Accepted CBR Value (%)		**8.6**			

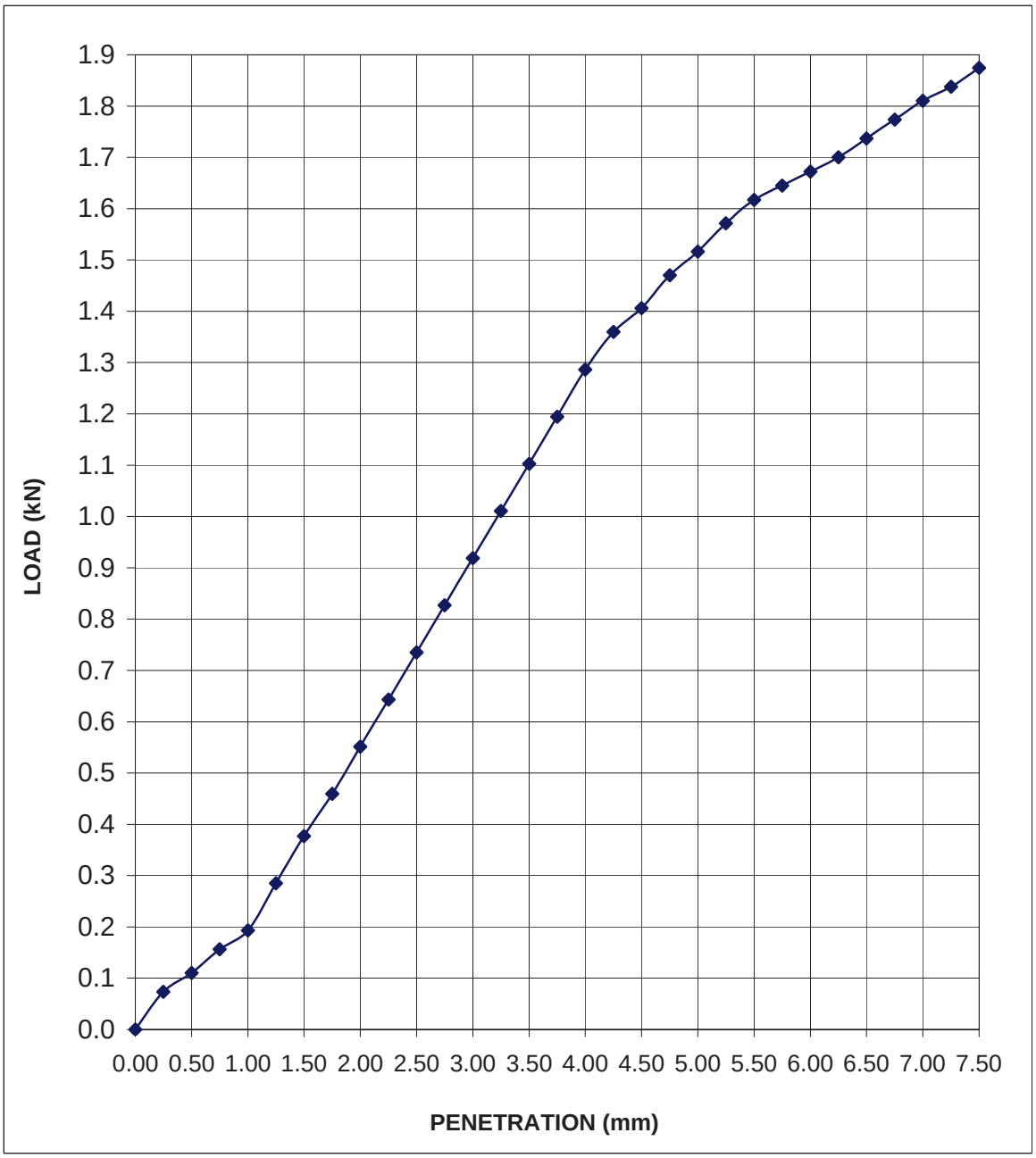
Tested in accordance with BS1377 : Part 9 : 1990 : Cl 4.3

UKAS TESTING 2545

DETERMINATION OF IN-SITU CALIFORNIA BEARING RATIO (CBR)

ERS, West of Newtonhill, Aberdeen

GRAPH DETAILING RESULTS



SUMMARY OF RESULTS

Description :	Dark brown slightly organic silty sandy TOPSOIL.			Test Ref :	34
Moisture Content (%)	39			Location:	CBR 4
CBR @ 2.5mm (%)	5.6	CBR @ 5.0mm (%)	7.6	Depth :	0.3m
Surcharge Applied		No			
Material >20mm present		No	Est (%) N/A		
Accepted CBR Value (%)		**7.6**			

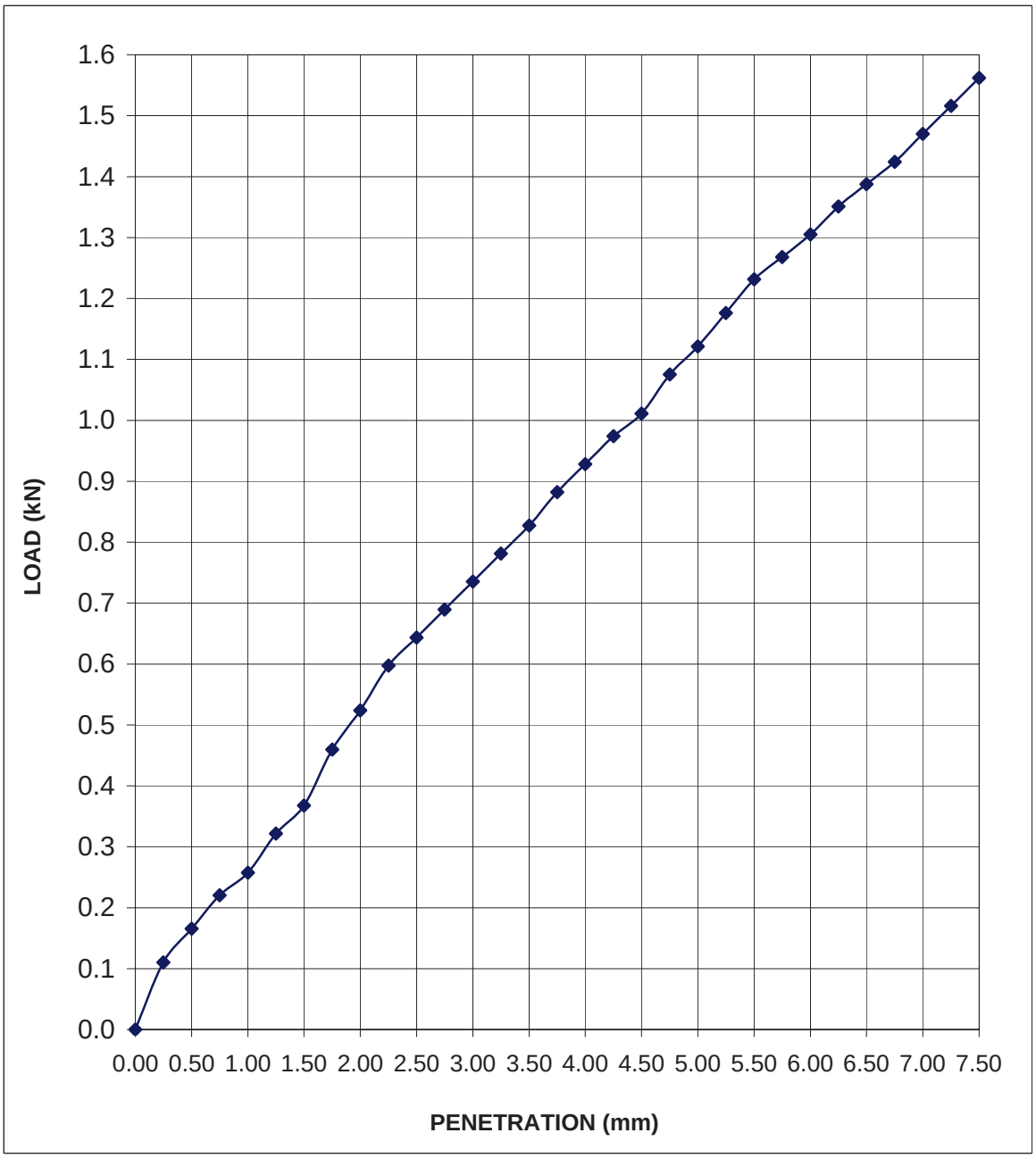
Tested in accordance with BS1377 : Part 9 : 1990 : Cl 4.3

UKAS TESTING 2545

DETERMINATION OF IN-SITU CALIFORNIA BEARING RATIO (CBR)

ERS, West of Newtonhill, Aberdeen

GRAPH DETAILING RESULTS



SUMMARY OF RESULTS

Description :	Dark brown slightly organic silty sandy TOPSOIL.			Test Ref :	35
Moisture Content (%)	35			Location:	CBR 2
CBR @ 2.5mm (%)	4.9	CBR @ 5.0mm (%)	5.6	Depth :	0.3m
Surcharge Applied		No			
Material >20mm present		No	Est (%) N/A		
Accepted CBR Value (%)		**5.6**			

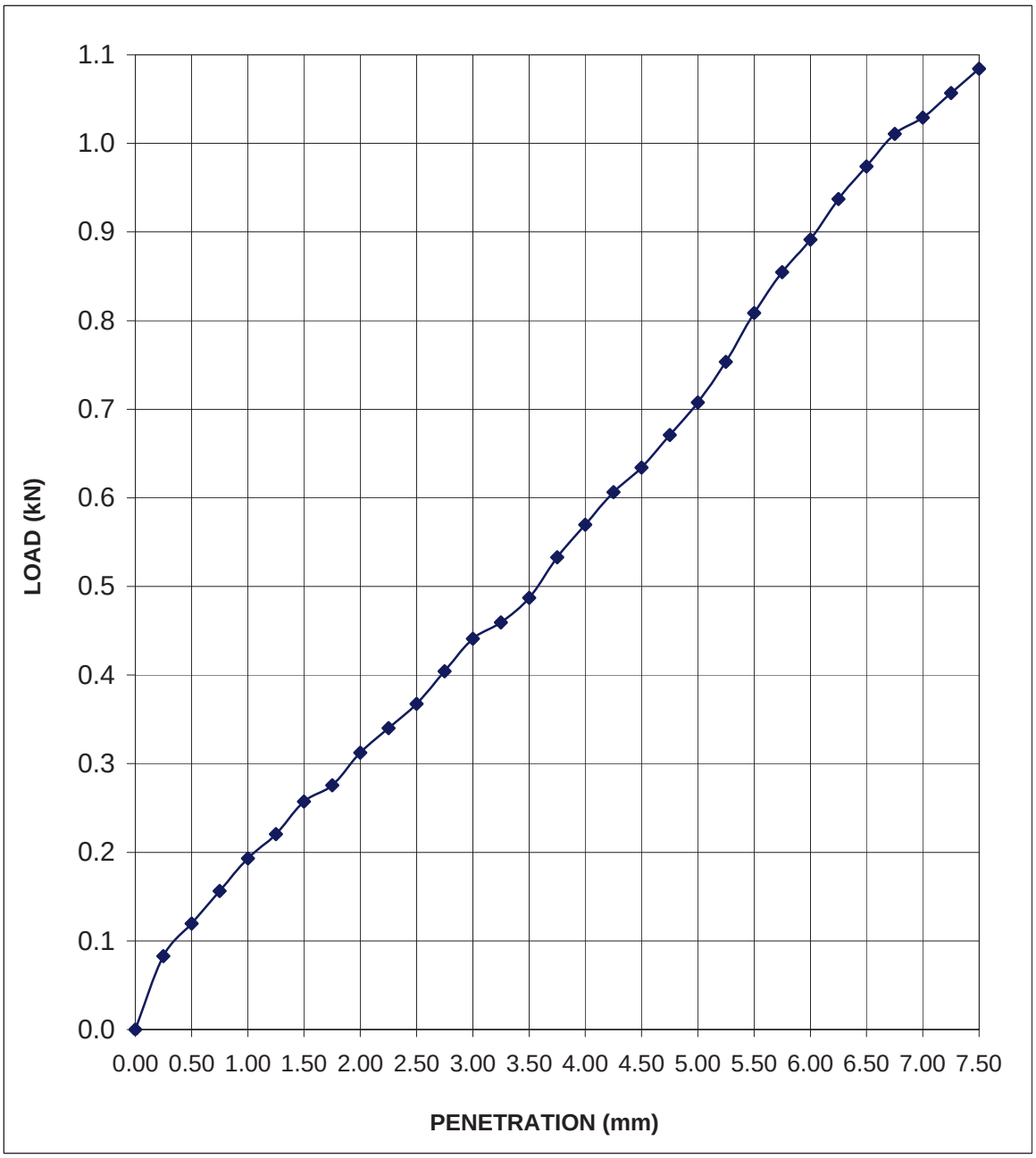
Tested in accordance with BS1377 : Part 9 : 1990 : Cl 4.3

UKAS TESTING 2545

DETERMINATION OF IN-SITU CALIFORNIA BEARING RATIO (CBR)

ERS, West of Newtonhill, Aberdeen

GRAPH DETAILING RESULTS



SUMMARY OF RESULTS

Description :	Dark brown slightly organic silty sandy TOPSOIL.			Test Ref :	36
Moisture Content (%)	34			Location:	CBR 42
CBR @ 2.5mm (%)	2.8	CBR @ 5.0mm (%)	3.5	Depth :	0.3m
Surcharge Applied		No			
Material >20mm present		No	Est (%) N/A		
Accepted CBR Value (%)		**3.5**			

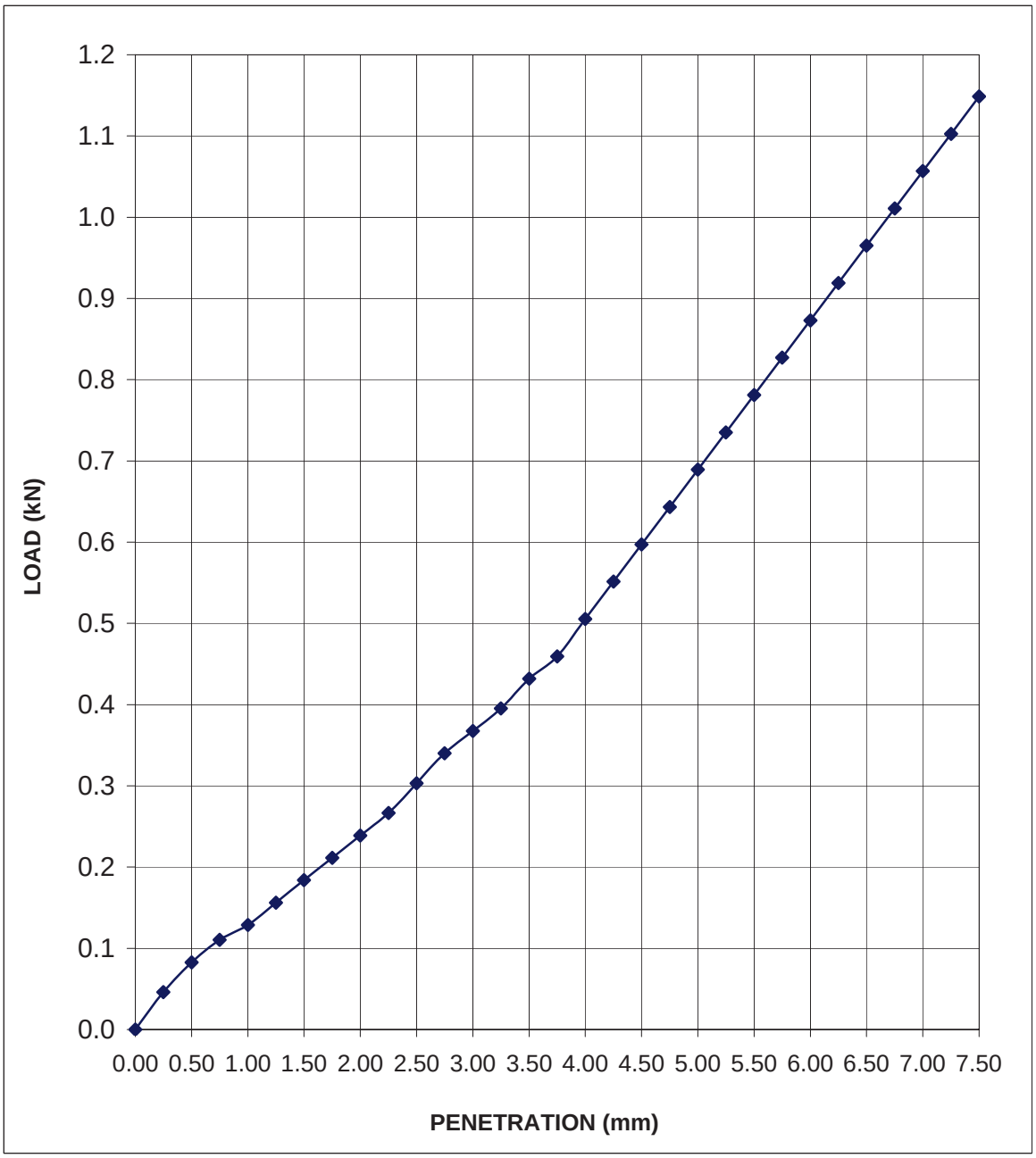
Tested in accordance with BS1377 : Part 9 : 1990 : Cl 4.3

UKAS TESTING 2545

DETERMINATION OF IN-SITU CALIFORNIA BEARING RATIO (CBR)

ERS, West of Newtonhill, Aberdeen

GRAPH DETAILING RESULTS



SUMMARY OF RESULTS

Description :	Pale brown and brown silty gravelly fine to medium SAND with occasional angular cobbles.			Test Ref :	37
Moisture Content (%)	35			Location:	CBR 42
CBR @ 2.5mm (%)	2.3	CBR @ 5.0mm (%)	3.4	Depth :	0.6m
Surcharge Applied		No			
Material >20mm present		No	Est (%) N/A		
Accepted CBR Value (%)		**3.4**			

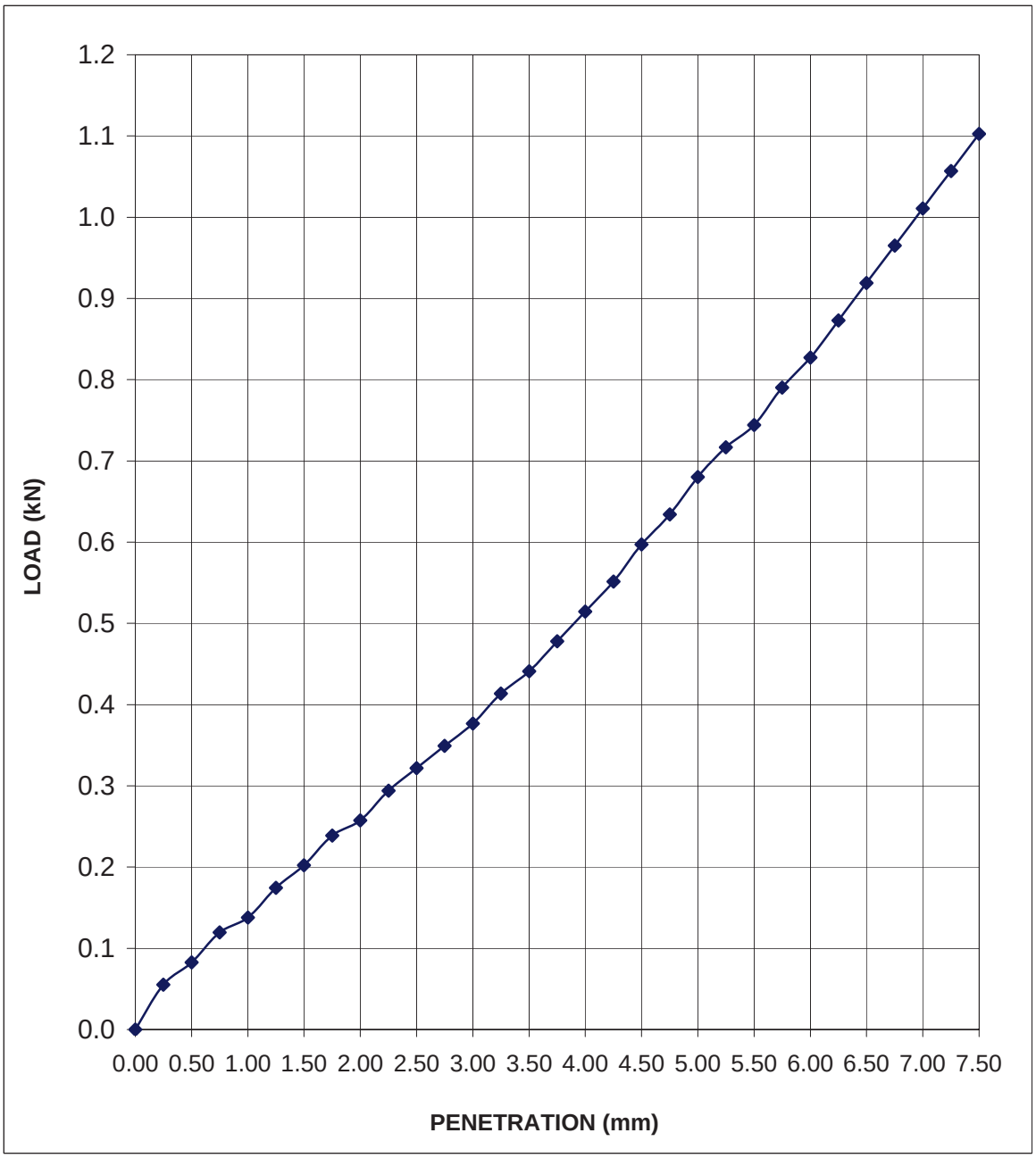
Tested in accordance with BS1377 : Part 9 : 1990 : Cl 4.3

UKAS TESTING 2545

DETERMINATION OF IN-SITU CALIFORNIA BEARING RATIO (CBR)

ERS, West of Newtonhill, Aberdeen

GRAPH DETAILING RESULTS



SUMMARY OF RESULTS

Description :	Dark brown slightly organic silty sandy TOPSOIL.			Test Ref :	38
Moisture Content (%)	38			Location:	CBR 41
CBR @ 2.5mm (%)	2.4	CBR @ 5.0mm (%)	3.4	Depth :	0.3m
Surcharge Applied		No			
Material >20mm present		No	Est (%) N/A		
Accepted CBR Value (%)		**3.4**			

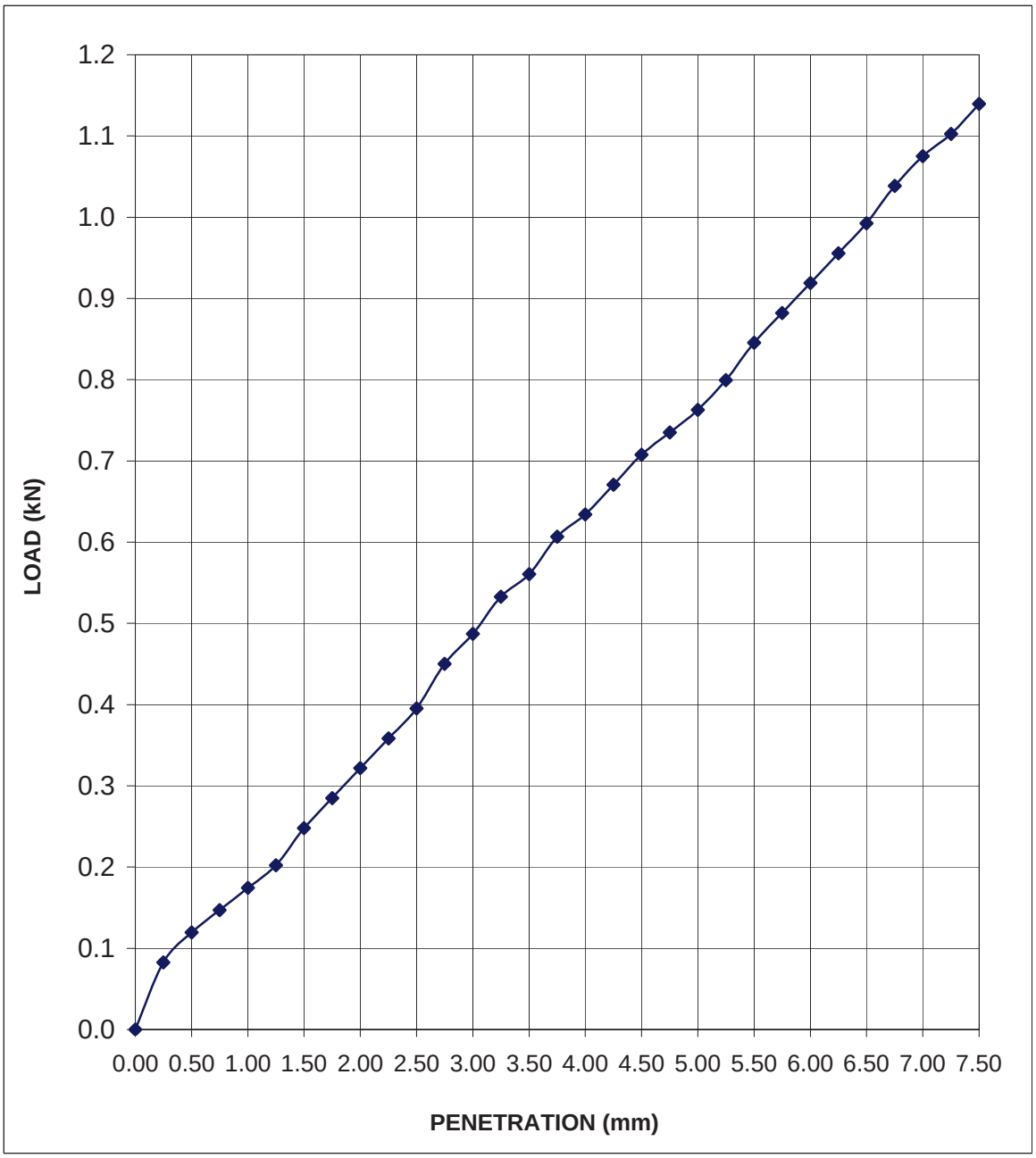
Tested in accordance with BS1377 : Part 9 : 1990 : Cl 4.3

UKAS TESTING 2545

DETERMINATION OF IN-SITU CALIFORNIA BEARING RATIO (CBR)

ERS, West of Newtonhill, Aberdeen

GRAPH DETAILING RESULTS



SUMMARY OF RESULTS

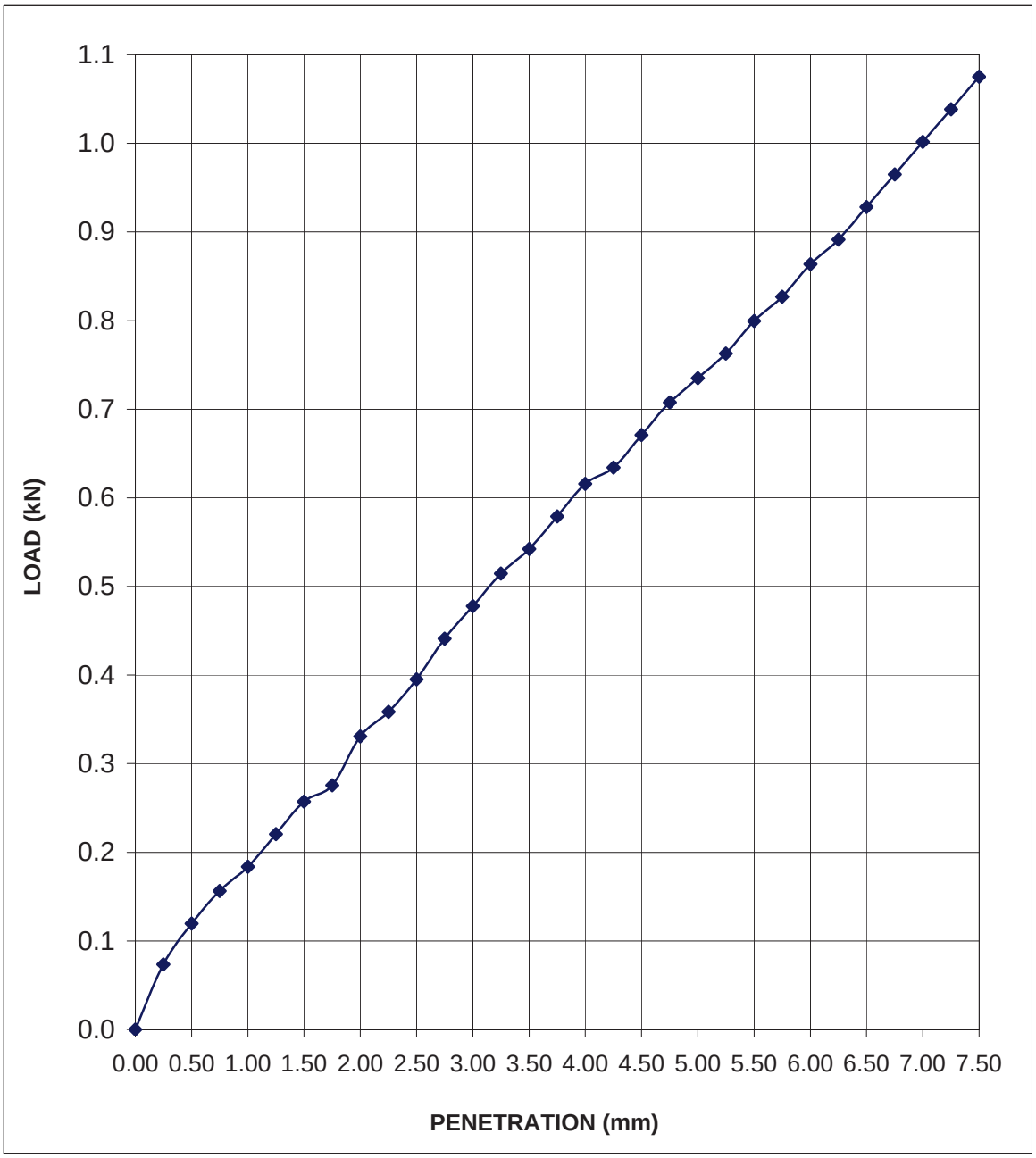
Description :	Pale brown and brown silty gravelly fine to medium SAND with occasional angular cobbles.			Test Ref :	39
Moisture Content (%)	34			Location:	CBR 41
CBR @ 2.5mm (%)	3.0	CBR @ 5.0mm (%)	3.8	Depth :	0.6m
Surcharge Applied		No			
Material >20mm present		No	Est (%) N/A		
Accepted CBR Value (%)		**3.8**			

Tested in accordance with BS1377 : Part 9 : 1990 : Cl 4.3

DETERMINATION OF IN-SITU CALIFORNIA BEARING RATIO (CBR)

ERS, West of Newtonhill, Aberdeen

GRAPH DETAILING RESULTS



SUMMARY OF RESULTS

Description :	Dark brown slightly organic silty sandy TOPSOIL.			Test Ref :	40
Moisture Content (%)	37			Location:	CBR 22
CBR @ 2.5mm (%)	3.0	CBR @ 5.0mm (%)	3.7	Depth :	0.3m
Surcharge Applied		No			
Material >20mm present		No	Est (%) N/A		
Accepted CBR Value (%)		**3.7**			

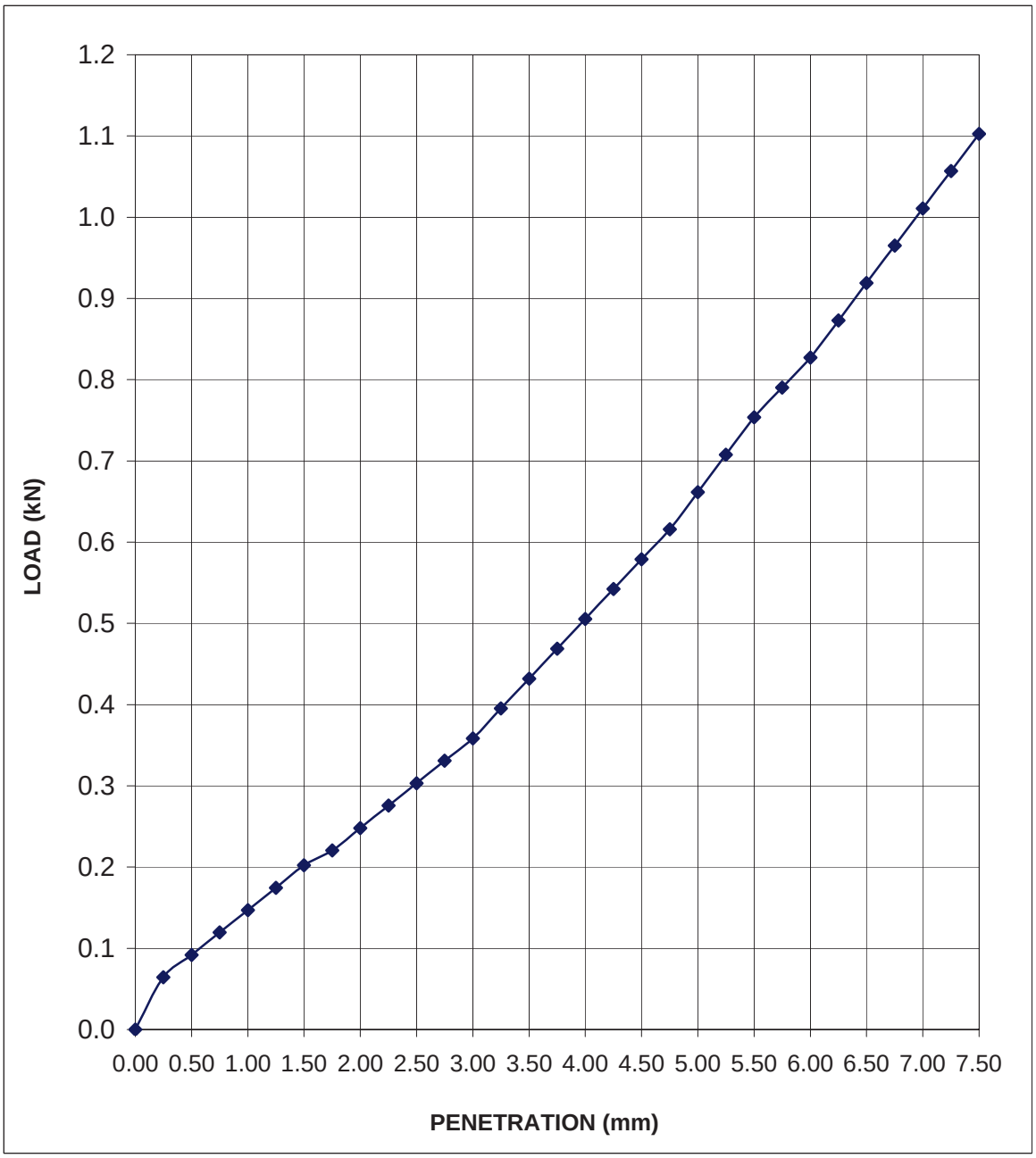
Tested in accordance with BS1377 : Part 9 : 1990 : Cl 4.3

UKAS TESTING 2545

DETERMINATION OF IN-SITU CALIFORNIA BEARING RATIO (CBR)

ERS, West of Newtonhill, Aberdeen

GRAPH DETAILING RESULTS



SUMMARY OF RESULTS

Description :	Dark brown slightly organic silty sandy TOPSOIL.			Test Ref :	41
Moisture Content (%)	29			Location:	CBR 24
CBR @ 2.5mm (%)	2.3	CBR @ 5.0mm (%)	3.3	Depth :	0.3m
Surcharge Applied		No			
Material >20mm present		No	Est (%) N/A		
Accepted CBR Value (%)		**3.3**			

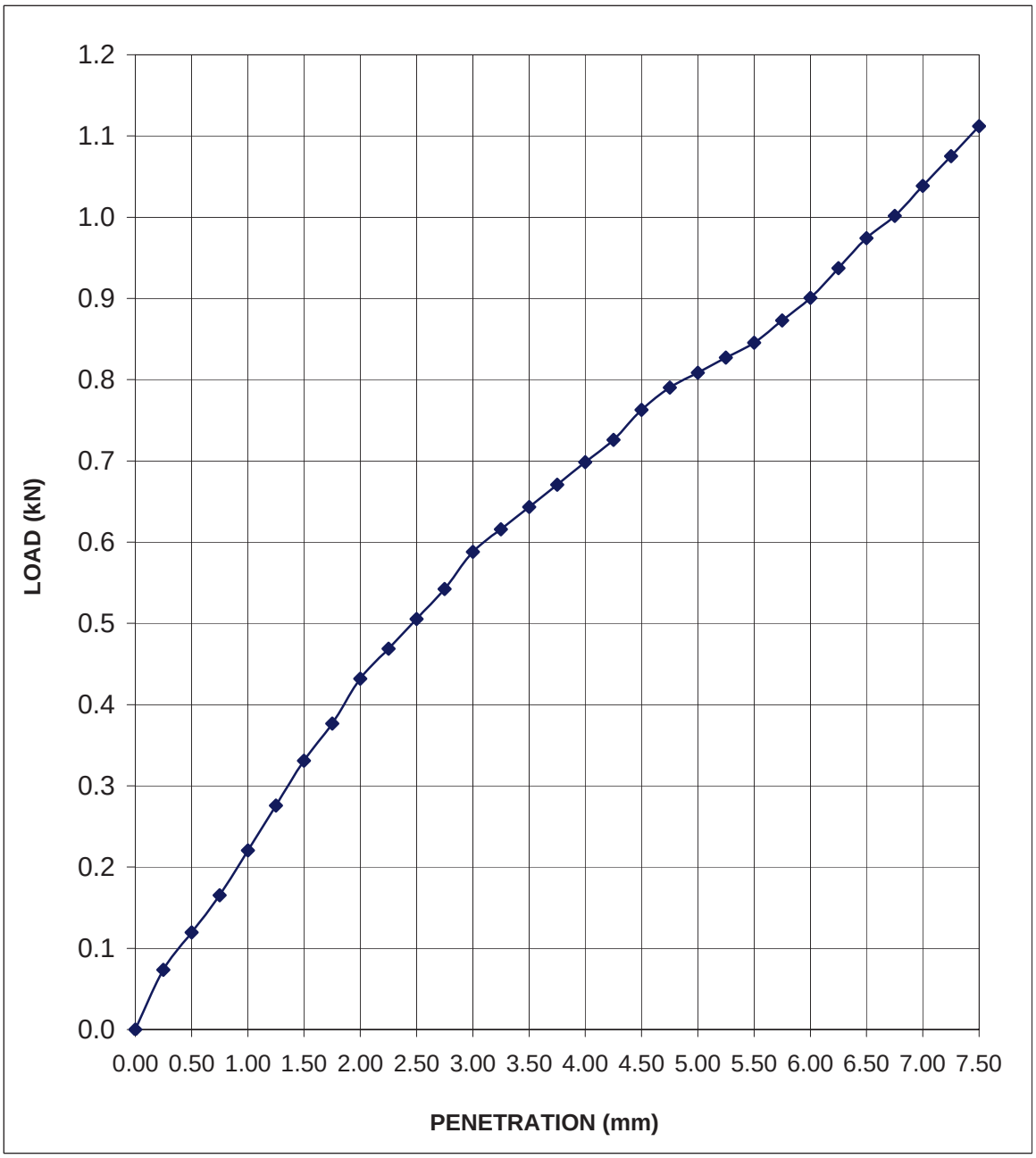
Tested in accordance with BS1377 : Part 9 : 1990 : Cl 4.3

UKAS TESTING 2545

DETERMINATION OF IN-SITU CALIFORNIA BEARING RATIO (CBR)

ERS, West of Newtonhill, Aberdeen

GRAPH DETAILING RESULTS



SUMMARY OF RESULTS

Description :	Dark brown slightly organic silty sandy TOPSOIL.			Test Ref :	42
Moisture Content (%)	33			Location:	CBR 51
CBR @ 2.5mm (%)	3.8	CBR @ 5.0mm (%)	4.0	Depth :	0.3m
Surcharge Applied		No			
Material >20mm present		No	Est (%) N/A		
Accepted CBR Value (%)		**4.0**			

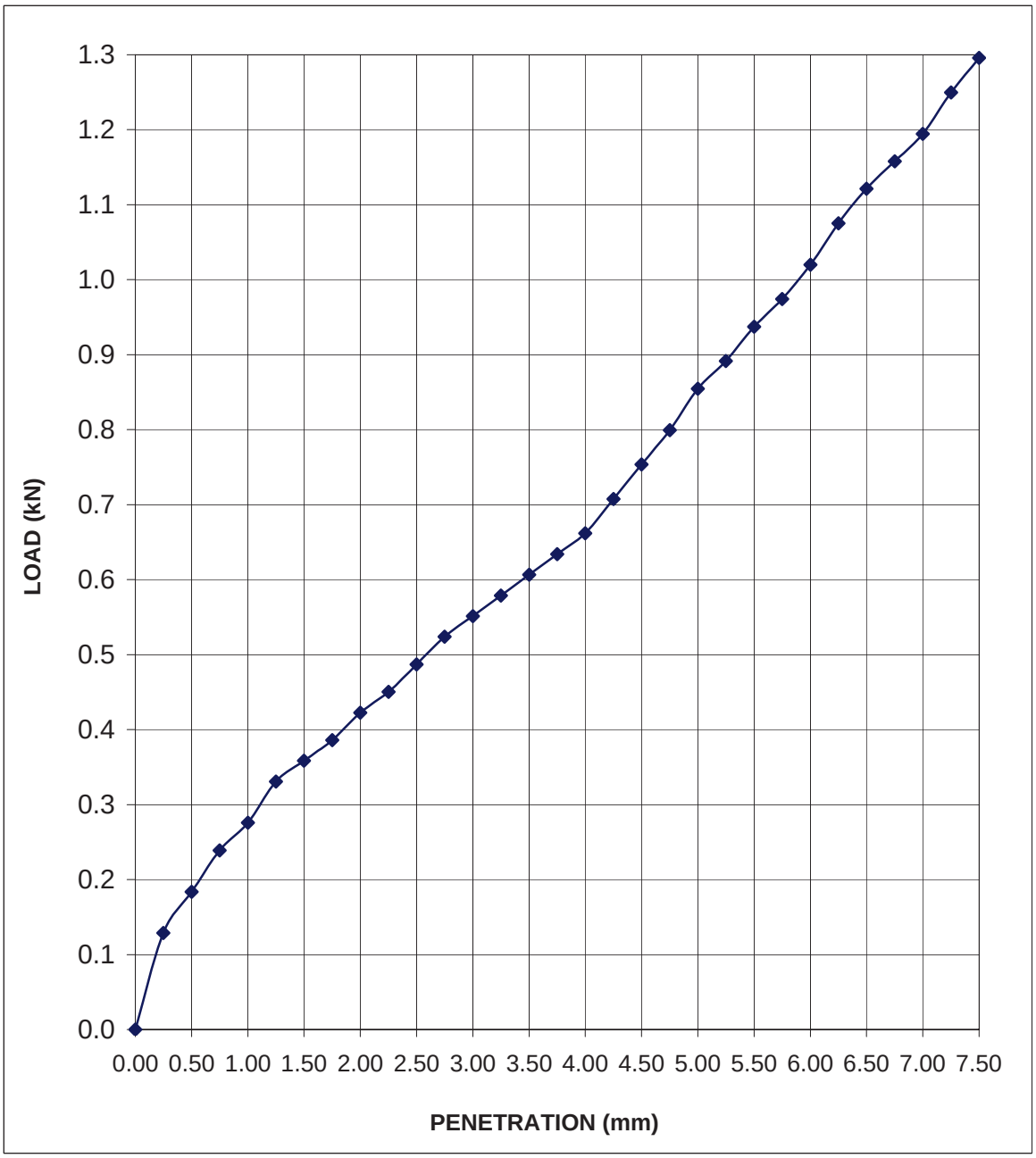
Tested in accordance with BS1377 : Part 9 : 1990 : Cl 4.3

UKAS TESTING 2545

DETERMINATION OF IN-SITU CALIFORNIA BEARING RATIO (CBR)

ERS, West of Newtonhill, Aberdeen

GRAPH DETAILING RESULTS



SUMMARY OF RESULTS

Description :	Dark brown slightly organic silty sandy TOPSOIL.			Test Ref :	43
Moisture Content (%)	33			Location:	CBR 50
CBR @ 2.5mm (%)	3.7	CBR @ 5.0mm (%)	4.3	Depth :	0.3m
Surcharge Applied		No			
Material >20mm present		Yes	Est (%) 40		
Accepted CBR Value (%)		**4.3**			

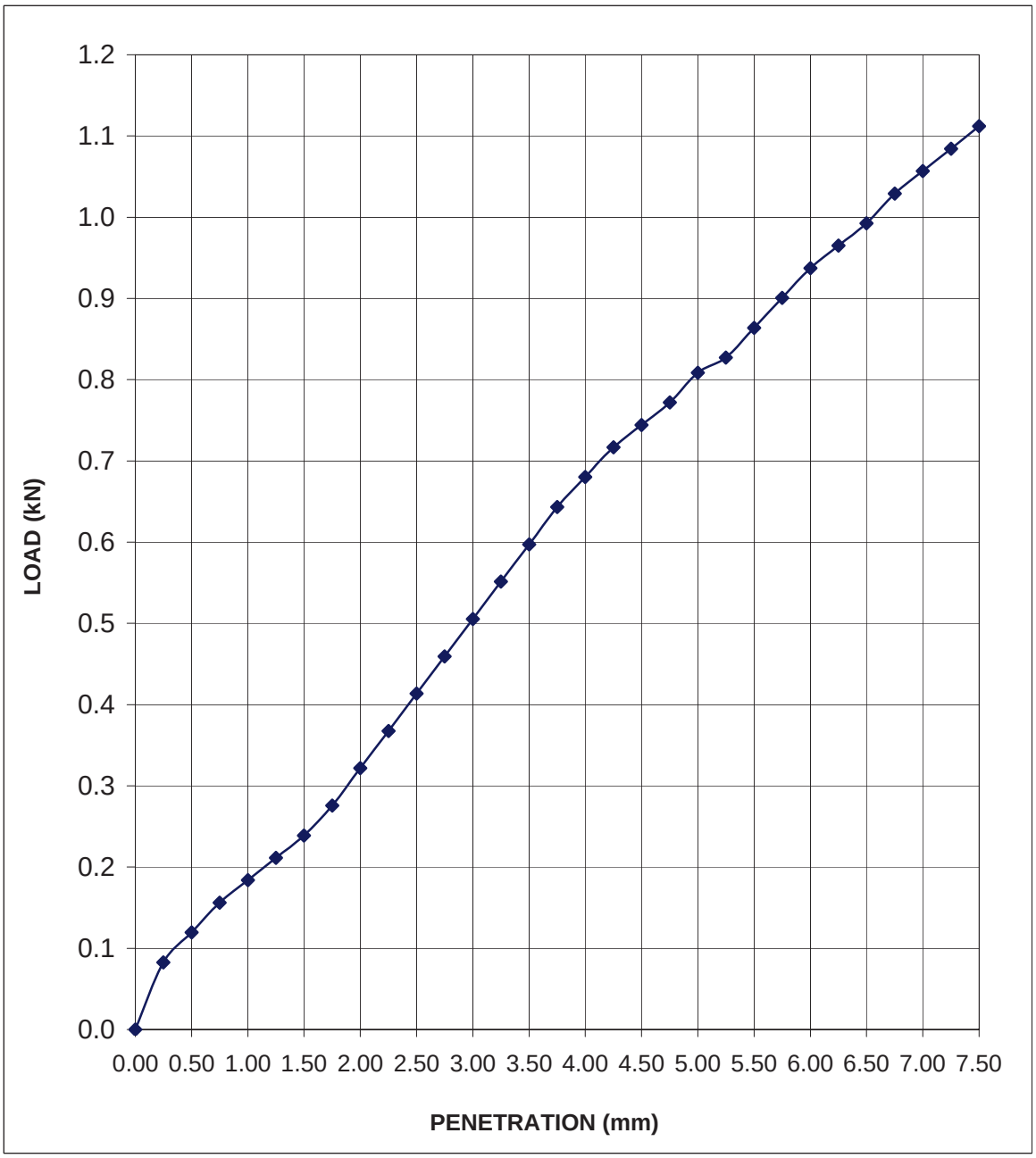
Tested in accordance with BS1377 : Part 9 : 1990 : Cl 4.3

UKAS TESTING 2545

DETERMINATION OF IN-SITU CALIFORNIA BEARING RATIO (CBR)

ERS, West of Newtonhill, Aberdeen

GRAPH DETAILING RESULTS



SUMMARY OF RESULTS

Description :	Dark brown slightly organic silty sandy TOPSOIL.			Test Ref :	44
Moisture Content (%)	34			Location:	CBR 44
CBR @ 2.5mm (%)	3.1	CBR @ 5.0mm (%)	4.0	Depth :	0.3m
Surcharge Applied		No			
Material >20mm present		No	Est (%) N/A		
Accepted CBR Value (%)		**4.0**			

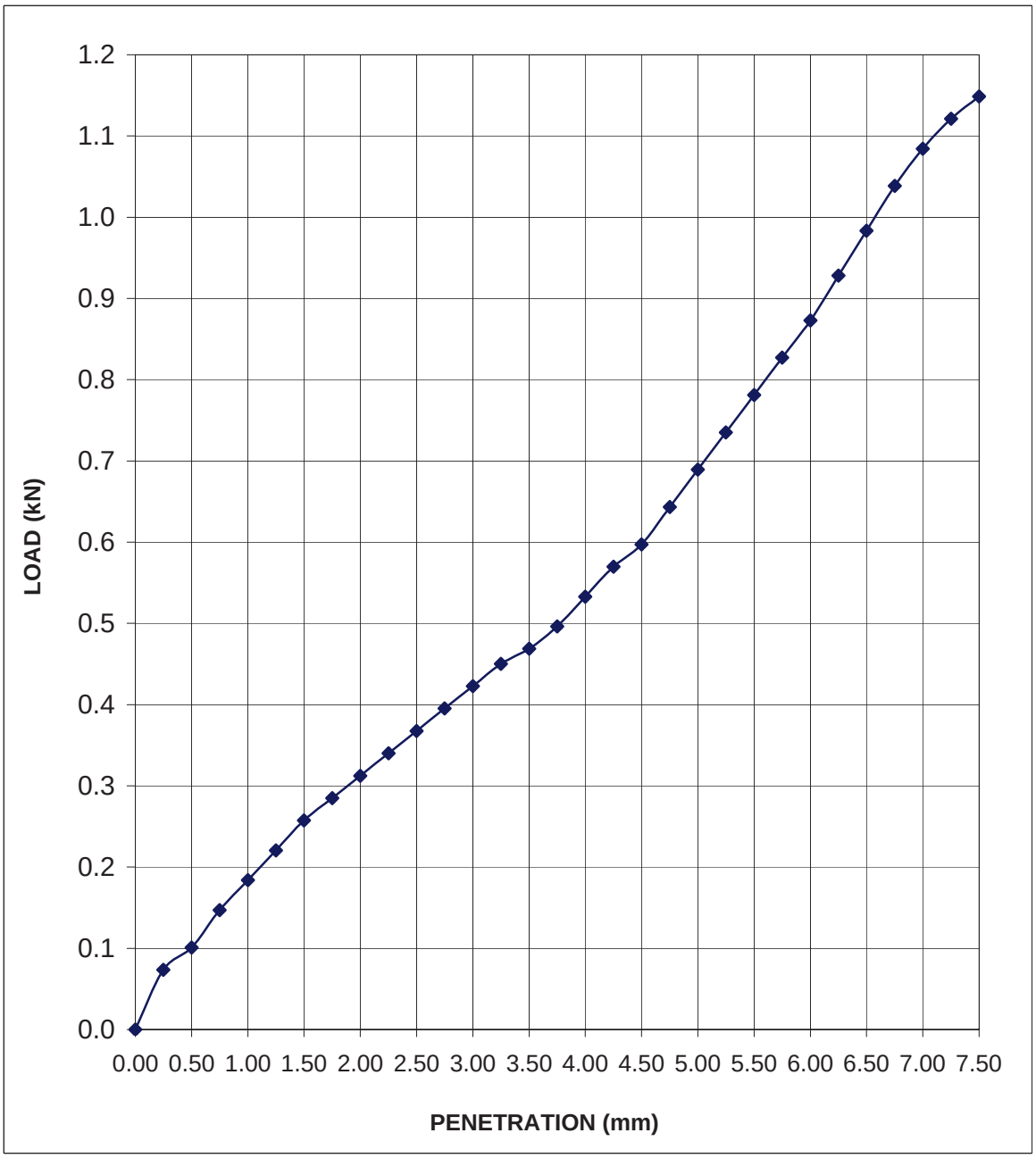
Tested in accordance with BS1377 : Part 9 : 1990 : Cl 4.3

UKAS TESTING 2545

DETERMINATION OF IN-SITU CALIFORNIA BEARING RATIO (CBR)

ERS, West of Newtonhill, Aberdeen

GRAPH DETAILING RESULTS



SUMMARY OF RESULTS

Description :	Dark brown slightly organic silty sandy TOPSOIL.			Test Ref :	45
Moisture Content (%)	31			Location:	CBR 43
CBR @ 2.5mm (%)	2.8	CBR @ 5.0mm (%)	3.4	Depth :	0.3m
Surcharge Applied		No			
Material >20mm present		No	Est (%) N/A		
Accepted CBR Value (%)		**3.4**			

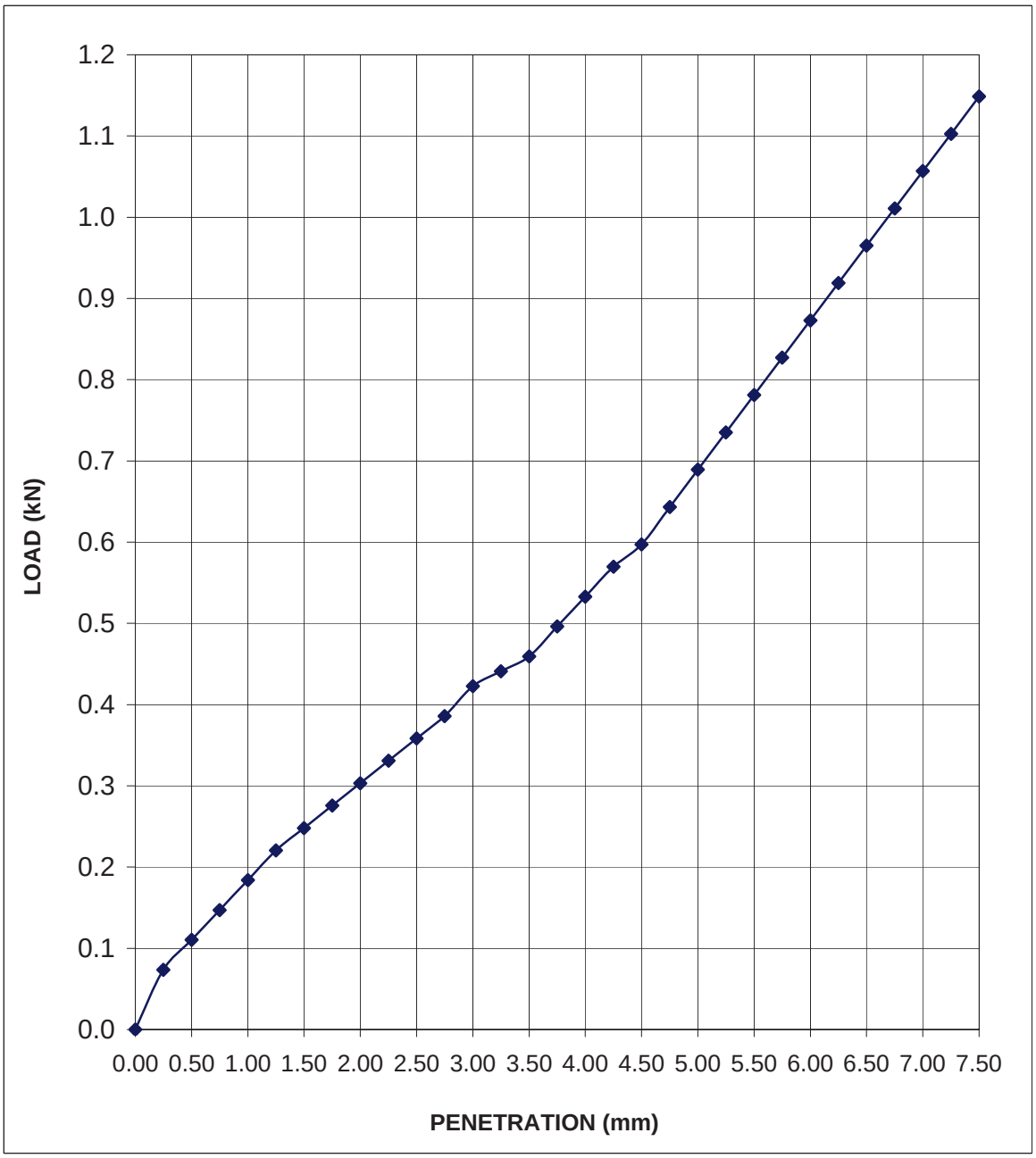
Tested in accordance with BS1377 : Part 9 : 1990 : Cl 4.3

UKAS TESTING 2545

DETERMINATION OF IN-SITU CALIFORNIA BEARING RATIO (CBR)

ERS, West of Newtonhill, Aberdeen

GRAPH DETAILING RESULTS



SUMMARY OF RESULTS

Description :	Dark brown slightly organic silty sandy TOPSOIL.			Test Ref :	46
Moisture Content (%)	35			Location:	CBR 47
CBR @ 2.5mm (%)	2.7	CBR @ 5.0mm (%)	3.4	Depth :	0.3m
Surcharge Applied		No			
Material >20mm present		No	Est (%) N/A		
Accepted CBR Value (%)		**3.4**			

Tested in accordance with BS1377 : Part 9 : 1990 : Cl 4.3

UKAS TESTING 2545

APPENDIX E

Geochemical Results

Scientific Analysis Laboratories is a
limited company registered in England and
Wales (No 2514788) whose address is at
Hadfield House, Hadfield Street, Manchester M16 9FE

Scientific Analysis Laboratories Ltd

Certificate of Analysis

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Park
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G75 0YF
Tel : 01355 573340
Fax : 01355 573341

Report Number: 312785-1

Date of Report: 29-Jan-2013

Customer: ERS,Environmental Reclamation Services Ltd
Westerhill Road
Bishopbriggs
Glasgow
G64 2QH

Customer Contact: Mr David Laird

Customer Job Reference: 9935167
Customer Purchase Order: 1088-5-9935167
Customer Site Reference: Chapelton
Date Job Received at SAL: 18-Jan-2013
Date Analysis Started: 23-Jan-2013
Date Analysis Completed: 29-Jan-2013

The results reported relate to samples received in the laboratory
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation
This report should not be reproduced except in full without the written approval of the laboratory
Tests covered by this certificate were conducted in accordance with SAL SOPs
All results have been reviewed in accordance with QP22

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1977

Report checked
and authorised by :
Miss Stephanie Green
Project Manager

Issued by :
Miss Stephanie Green
Project Manager

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SAL Reference: 312785
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil
UKWIR Suite

				SAL Reference	**312785 001**	**312785 002**	**312785 003**	**312785 004**	**312785 005**
				Customer Sample Reference	**CBR01 0.80M**	**CBR05 0.80M**	**CBR09 0.30M**	**CBR13 1.00M**	**CBR17 1.00M**
				Date Sampled	**17-JAN-2013**	**16-JAN-2013**	**16-JAN-2013**	**17-JAN-2013**	**17-JAN-2013**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Electrical Conductivity	T7	A40	10	µS/cm	**78**	**90**	**62**	**82**	**61**
pH	T7	A40			**5.4**	**5.5**	**6.0**	**5.4**	**5.9**
Redox Potential	T7	A40		mV	**24**	**24**	**23**	**25**	**24**
TPH (C5-C6 aliphatic)	T54	AR	10	µg/kg	<10	<10	<10	<10	<10
TPH (C6-C8 aliphatic)	T54	AR	10	µg/kg	<10	<10	<10	<10	<10
TPH (C8-C10 aliphatic)	T54	AR	10	µg/kg	<10	<10	<10	<10	<10
TPH (C6-C7 aromatic)	T54	AR	10	µg/kg	<10	<10	<10	<10	<10
TPH (C7-C8 aromatic)	T54	AR	10	µg/kg	<10	<10	<10	<10	<10
TPH (C8-C10 aromatic)	T54	AR	10	µg/kg	<10	<10	<10	<10	<10
Total Petroleum Hydrocarbons (C5 - C10 aliphatic/aromatic)	T85	AR	10	µg/kg	<10	<10	<10	<10	<10
TPH (C11-C20)	T8	AR	1	mg/kg	(13) <1	(13) <1	(13) <1	(13) <1	(13) <1
TPH (C20-C40)	T8	AR	1	mg/kg	<1	<1	<1	<1	<1

SAL Reference: 312785
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil
UKWIR Suite

				SAL Reference	**312785 006**	**312785 007**	**312785 008**
				Customer Sample Reference	**CBR21 0.90M**	**CBR25 0.50M**	**CBR29 0.60M**
				Date Sampled	**17-JAN-2013**	**17-JAN-2013**	**17-JAN-2013**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Electrical Conductivity	T7	A40	10	µS/cm	**77**	**77**	**88**
pH	T7	A40			**6.1**	**6.0**	**5.7**
Redox Potential	T7	A40		mV	**23**	**24**	**25**
TPH (C5-C6 aliphatic)	T54	AR	10	µg/kg	<10	<10	<10
TPH (C6-C8 aliphatic)	T54	AR	10	µg/kg	<10	<10	<10
TPH (C8-C10 aliphatic)	T54	AR	10	µg/kg	<10	<10	<10
TPH (C6-C7 aromatic)	T54	AR	10	µg/kg	<10	<10	<10
TPH (C7-C8 aromatic)	T54	AR	10	µg/kg	<10	<10	<10
TPH (C8-C10 aromatic)	T54	AR	10	µg/kg	<10	<10	<10
Total Petroleum Hydrocarbons (C5 - C10 aliphatic/aromatic)	T85	AR	10	µg/kg	<10	<10	<10
TPH (C11-C20)	T8	AR	1	mg/kg	(13) <1	(13) <1	(13) <1
TPH (C20-C40)	T8	AR	1	mg/kg	<1	<1	<1

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SAL Reference: 312785
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil
BTEX

				SAL Reference	**312785 001**	**312785 002**	**312785 003**	**312785 004**	**312785 005**
				Customer Sample Reference	**CBR01 0.80M**	**CBR05 0.80M**	**CBR09 0.30M**	**CBR13 1.00M**	**CBR17 1.00M**
				Date Sampled	**17-JAN-2013**	**16-JAN-2013**	**16-JAN-2013**	**17-JAN-2013**	**17-JAN-2013**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Benzene	T54	AR	1	µg/kg	(13) <1	(13) <1	(13) <1	(13) <1	(13) <1
EthylBenzene	T54	AR	1	µg/kg	<1	<1	<1	<1	<1
Methyl tert-Butyl Ether	T54	AR	1	µg/kg	<1	<1	<1	<1	<1
M/P Xylene	T54	AR	1	µg/kg	<1	<1	<1	<1	<1
O Xylene	T54	AR	1	µg/kg	<1	<1	<1	<1	<1
Toluene	T54	AR	1	µg/kg	<1	<1	<1	<1	<1

SAL Reference: 312785
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil
BTEX

				SAL Reference	**312785 006**	**312785 007**	**312785 008**
				Customer Sample Reference	**CBR21 0.90M**	**CBR25 0.50M**	**CBR29 0.60M**
				Date Sampled	**17-JAN-2013**	**17-JAN-2013**	**17-JAN-2013**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Benzene	T54	AR	1	µg/kg	(13) <1	(13) <1	(13) <1
EthylBenzene	T54	AR	1	µg/kg	<1	<1	<1
Methyl tert-Butyl Ether	T54	AR	1	µg/kg	<1	<1	<1
M/P Xylene	T54	AR	1	µg/kg	<1	<1	<1
O Xylene	T54	AR	1	µg/kg	<1	<1	<1
Toluene	T54	AR	1	µg/kg	<1	<1	<1

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SAL Reference: 312785
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil
Phenols (Speciated)

				SAL Reference	**312785 001**	**312785 002**	**312785 003**	**312785 004**	**312785 005**
				Customer Sample Reference	**CBR01 0.80M**	**CBR05 0.80M**	**CBR09 0.30M**	**CBR13 1.00M**	**CBR17 1.00M**
				Date Sampled	**17-JAN-2013**	**16-JAN-2013**	**16-JAN-2013**	**17-JAN-2013**	**17-JAN-2013**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Cresols	T16	AR	0.01	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Phenol	T149	AR	0.01	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Xylenols	T16	AR	0.01	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01

SAL Reference: 312785
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil
Phenols (Speciated)

				SAL Reference	**312785 006**	**312785 007**	**312785 008**
				Customer Sample Reference	**CBR21 0.90M**	**CBR25 0.50M**	**CBR29 0.60M**
				Date Sampled	**17-JAN-2013**	**17-JAN-2013**	**17-JAN-2013**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Cresols	T16	AR	0.01	mg/kg	<0.01	<0.01	<0.01
Phenol	T149	AR	0.01	mg/kg	<0.01	<0.01	<0.01
Xylenols	T16	AR	0.01	mg/kg	<0.01	<0.01	<0.01

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SAL Reference: 312785
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil

SVOC 625 + Tentatively Identified Compounds

				SAL Reference	**312785 001**	**312785 002**	**312785 003**	**312785 004**	**312785 005**
				Customer Sample Reference	**CBR01 0.80M**	**CBR05 0.80M**	**CBR09 0.30M**	**CBR13 1.00M**	**CBR17 1.00M**
				Date Sampled	**17-JAN-2013**	**16-JAN-2013**	**16-JAN-2013**	**17-JAN-2013**	**17-JAN-2013**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
SVOC screen (extra peaks)	T16	AR	10	mg/kg	<10	<10	<10	<10	<10
Phenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bis (2-chloroethyl) ether	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2-Chlorophenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bis (2-chloroisopropyl) ether	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2-methyl phenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
3/4-Methylphenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachloroethane	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrobenzene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Isophorone	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2-Nitrophenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4-Dimethylphenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bis (2-chloroethoxy) methane	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4-Dichlorophenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,4-Trichlorobenzene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
4-Chloroaniline	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorobutadiene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
4-Chloro-3-methylphenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2-Methylnaphthalene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorocyclopentadiene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,6-Trichlorophenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5-Trichlorophenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2-Chloronaphthalene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2-Nitroaniline	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethyl phthalate	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,6-Dinitrotoluene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
3-Nitroaniline	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4-Dinitrophenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzofuran	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
2,4-Dinitrotoluene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
4-Nitrophenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diethyl phthalate	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
4-Chlorophenyl phenylether	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
4-Nitroaniline	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Azobenzene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
4-Bromophenyl phenylether	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorobenzene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Pentachlorophenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Carbazole	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Di-n-butylphthalate	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Butyl benzylphthalate	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)Anthracene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bis (2-ethylhexyl)phthalate	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Di-n-octylphthalate	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b/k)Fluoranthene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)Pyrene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(123-cd)Pyrene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(ah)Anthracene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1

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SAL Reference: 312785
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil

SVOC 625 + Tentatively Identified Compounds

				SAL Reference	**312785 001**	**312785 002**	**312785 003**	**312785 004**	**312785 005**
				Customer Sample Reference	**CBR01 0.80M**	**CBR05 0.80M**	**CBR09 0.30M**	**CBR13 1.00M**	**CBR17 1.00M**
				Date Sampled	**17-JAN-2013**	**16-JAN-2013**	**16-JAN-2013**	**17-JAN-2013**	**17-JAN-2013**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Benzo(ghi)Perylene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1

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SAL Reference: 312785
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil

SVOC 625 + Tentatively Identified Compounds

				SAL Reference	**312785 006**	**312785 007**	**312785 008**
				Customer Sample Reference	**CBR21 0.90M**	**CBR25 0.50M**	**CBR29 0.60M**
				Date Sampled	**17-JAN-2013**	**17-JAN-2013**	**17-JAN-2013**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
SVOC screen (extra peaks)	T16	AR	10	mg/kg	<10	<10	<10
Phenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Bis (2-chloroethyl) ether	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
2-Chlorophenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Bis (2-chloroisopropyl) ether	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
2-methyl phenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
3/4-Methylphenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Hexachloroethane	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Nitrobenzene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Isophorone	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
2-Nitrophenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
2,4-Dimethylphenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Bis (2-chloroethoxy) methane	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
2,4-Dichlorophenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
1,2,4-Trichlorobenzene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Naphthalene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
4-Chloroaniline	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Hexachlorobutadiene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
4-Chloro-3-methylphenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
2-Methylnaphthalene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Hexachlorocyclopentadiene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
2,4,6-Trichlorophenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
2,4,5-Trichlorophenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
2-Chloronaphthalene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
2-Nitroaniline	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Dimethyl phthalate	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
2,6-Dinitrotoluene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Acenaphthylene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Acenaphthene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
3-Nitroaniline	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
2,4-Dinitrophenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Dibenzofuran	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
2,4-Dinitrotoluene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
4-Nitrophenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Diethyl phthalate	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Fluorene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
4-Chlorophenyl phenylether	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
4-Nitroaniline	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Azobenzene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
4-Bromophenyl phenylether	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Hexachlorobenzene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Pentachlorophenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Phenanthrene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Anthracene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Carbazole	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Di-n-butylphthalate	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Fluoranthene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Pyrene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Butyl benzylphthalate	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Benzo(a)Anthracene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Chrysene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Bis (2-ethylhexyl)phthalate	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Di-n-octylphthalate	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Benzo(b/k)Fluoranthene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Benzo(a)Pyrene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Indeno(123-cd)Pyrene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1
Dibenzo(ah)Anthracene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1

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SAL Reference: 312785
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil

SVOC 625 + Tentatively Identified Compounds

				SAL Reference	**312785 006**	**312785 007**	**312785 008**
				Customer Sample Reference	**CBR21 0.90M**	**CBR25 0.50M**	**CBR29 0.60M**
				Date Sampled	**17-JAN-2013**	**17-JAN-2013**	**17-JAN-2013**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Benzo(ghi)Perylene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1

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SAL Reference: 312785
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil
VOC 624 + Tentatively Identified Compounds

				SAL Reference	**312785 001**	**312785 002**	**312785 003**	**312785 004**	**312785 005**
				Customer Sample Reference	**CBR01 0.80M**	**CBR05 0.80M**	**CBR09 0.30M**	**CBR13 1.00M**	**CBR17 1.00M**
				Date Sampled	**17-JAN-2013**	**16-JAN-2013**	**16-JAN-2013**	**17-JAN-2013**	**17-JAN-2013**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
VOC Screen	T54	AR	100	µg/kg	<100	<100	<100	<100	<100

SAL Reference: 312785
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil
VOC 624 + Tentatively Identified Compounds

				SAL Reference	**312785 006**	**312785 007**	**312785 008**
				Customer Sample Reference	**CBR21 0.90M**	**CBR25 0.50M**	**CBR29 0.60M**
				Date Sampled	**17-JAN-2013**	**17-JAN-2013**	**17-JAN-2013**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
VOC Screen	T54	AR	100	µg/kg	<100	<100	<100

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SAL Reference: 312785
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil
Volatile Organic Compounds (USEPA 624)

				SAL Reference	**312785 001**	**312785 002**	**312785 003**	**312785 004**	**312785 005**
				Customer Sample Reference	**CBR01 0.80M**	**CBR05 0.80M**	**CBR09 0.30M**	**CBR13 1.00M**	**CBR17 1.00M**
				Date Sampled	**17-JAN-2013**	**16-JAN-2013**	**16-JAN-2013**	**17-JAN-2013**	**17-JAN-2013**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Dichlorodifluoromethane	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
Chloromethane	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
Vinyl chloride	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
Bromomethane	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
Chloroethane	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
Trichlorofluoromethane	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
1,1-Dichloroethylene	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
Dichloromethane	T54	AR	50	µg/kg	<50	<50	<50	<50	<50
Trans-1,2-Dichloroethene	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
1,1-Dichloroethane	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
Cis-1,2-Dichloroethylene	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
2,2-Dichloropropane	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
Chloroform	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
Bromochloromethane	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
1,1,1-Trichloroethane	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
1,1-Dichloropropene	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
Carbon tetrachloride	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
1,2-Dichloroethane	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
Benzene	T54	AR	1	µg/kg	(13) <1	(13) <1	(13) <1	(13) <1	(13) <1
1,2-Dichloropropane	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
1,1,2-Trichloroethylene	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
Bromodichloromethane	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
Dibromomethane	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
Cis-1,3-Dichloropropene	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
Toluene	T54	AR	1	µg/kg	<1	<1	<1	<1	<1
Trans-1,3-Dichloropropene	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
1,3-Dichloropropane	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
Tetrachloroethene	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
Chlorodibromomethane	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
1,2-dibromoethane	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
Chlorobenzene	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
1,1,1,2-Tetrachloroethane	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
EthylBenzene	T54	AR	1	µg/kg	<1	<1	<1	<1	<1
M/P Xylene	T54	AR	1	µg/kg	<1	<1	<1	<1	<1
O Xylene	T54	AR	1	µg/kg	<1	<1	<1	<1	<1
Styrene	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
Bromoform	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
Isopropyl benzene	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
1,2,3-Trichloropropane	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
n-Propylbenzene	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
Bromobenzene	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
1,3,5-Trimethylbenzene	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
T-Butylbenzene	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
1,2,4-Trimethylbenzene	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
S-Butylbenzene	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
p-Isopropyltoluene	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
2-Chlorotoluene	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
4-Chlorotoluene	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
1,3-Dichlorobenzene	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
1,4-Dichlorobenzene	T54	AR	5	µg/kg	<5	<5	<5	<5	<5
1,2-Dichlorobenzene	T54	AR	5	µg/kg	<5	<5	<5	<5	<5

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SAL Reference: 312785
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil
Volatile Organic Compounds (USEPA 624)

				SAL Reference	**312785 006**	**312785 007**	**312785 008**
				Customer Sample Reference	**CBR21 0.90M**	**CBR25 0.50M**	**CBR29 0.60M**
				Date Sampled	**17-JAN-2013**	**17-JAN-2013**	**17-JAN-2013**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Dichlorodifluoromethane	T54	AR	5	µg/kg	<5	<5	<5
Chloromethane	T54	AR	5	µg/kg	<5	<5	<5
Vinyl chloride	T54	AR	5	µg/kg	<5	<5	<5
Bromomethane	T54	AR	5	µg/kg	<5	<5	<5
Chloroethane	T54	AR	5	µg/kg	<5	<5	<5
Trichlorofluoromethane	T54	AR	5	µg/kg	<5	<5	<5
1,1-Dichloroethylene	T54	AR	5	µg/kg	<5	<5	<5
Dichloromethane	T54	AR	50	µg/kg	<50	<50	<50
Trans-1,2-Dichloroethene	T54	AR	5	µg/kg	<5	<5	<5
1,1-Dichloroethane	T54	AR	5	µg/kg	<5	<5	<5
Cis-1,2-Dichloroethylene	T54	AR	5	µg/kg	<5	<5	<5
2,2-Dichloropropane	T54	AR	5	µg/kg	<5	<5	<5
Chloroform	T54	AR	5	µg/kg	<5	<5	<5
Bromochloromethane	T54	AR	5	µg/kg	<5	<5	<5
1,1,1-Trichloroethane	T54	AR	5	µg/kg	<5	<5	<5
1,1-Dichloropropene	T54	AR	5	µg/kg	<5	<5	<5
Carbon tetrachloride	T54	AR	5	µg/kg	<5	<5	<5
1,2-Dichloroethane	T54	AR	5	µg/kg	<5	<5	<5
Benzene	T54	AR	1	µg/kg	(13) <1	(13) <1	(13) <1
1,2-Dichloropropane	T54	AR	5	µg/kg	<5	<5	<5
1,1,2-Trichloroethylene	T54	AR	5	µg/kg	<5	<5	<5
Bromodichloromethane	T54	AR	5	µg/kg	<5	<5	<5
Dibromomethane	T54	AR	5	µg/kg	<5	<5	<5
Cis-1,3-Dichloropropene	T54	AR	5	µg/kg	<5	<5	<5
Toluene	T54	AR	1	µg/kg	<1	<1	<1
Trans-1,3-Dichloropropene	T54	AR	5	µg/kg	<5	<5	<5
1,1,2-Trichloroethane	T54	AR	5	µg/kg	<5	<5	<5
1,3-Dichloropropane	T54	AR	5	µg/kg	<5	<5	<5
Tetrachloroethene	T54	AR	5	µg/kg	<5	<5	<5
Chlorodibromomethane	T54	AR	5	µg/kg	<5	<5	<5
1,2-dibromoethane	T54	AR	5	µg/kg	<5	<5	<5
Chlorobenzene	T54	AR	5	µg/kg	<5	<5	<5
1,1,1,2-Tetrachloroethane	T54	AR	5	µg/kg	<5	<5	<5
EthylBenzene	T54	AR	1	µg/kg	<1	<1	<1
M/P Xylene	T54	AR	1	µg/kg	<1	<1	<1
O Xylene	T54	AR	1	µg/kg	<1	<1	<1
Styrene	T54	AR	5	µg/kg	<5	<5	<5
Bromoform	T54	AR	5	µg/kg	<5	<5	<5
Isopropyl benzene	T54	AR	5	µg/kg	<5	<5	<5
1,1,2,2-Tetrachloroethane	T54	AR	5	µg/kg	<5	<5	<5
1,2,3-Trichloropropane	T54	AR	5	µg/kg	<5	<5	<5
n-Propylbenzene	T54	AR	5	µg/kg	<5	<5	<5
Bromobenzene	T54	AR	5	µg/kg	<5	<5	<5
1,3,5-Trimethylbenzene	T54	AR	5	µg/kg	<5	<5	<5
T-Butylbenzene	T54	AR	5	µg/kg	<5	<5	<5
1,2,4-Trimethylbenzene	T54	AR	5	µg/kg	<5	<5	<5
S-Butylbenzene	T54	AR	5	µg/kg	<5	<5	<5
p-Isopropyltoluene	T54	AR	5	µg/kg	<5	<5	<5
2-Chlorotoluene	T54	AR	5	µg/kg	<5	<5	<5
4-Chlorotoluene	T54	AR	5	µg/kg	<5	<5	<5
1,3-Dichlorobenzene	T54	AR	5	µg/kg	<5	<5	<5
1,4-Dichlorobenzene	T54	AR	5	µg/kg	<5	<5	<5
1,2-Dichlorobenzene	T54	AR	5	µg/kg	<5	<5	<5

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Index to symbols used in 312785-1

Value	Description
AR	As Received
A40	Assisted dried < 40C
13	Results have been blank corrected.
U	Analysis is UKAS accredited
N	Analysis is not UKAS accredited

Method Index

Value	Description
T7	Probe
T8	GC/FID
T85	Calc
T54	GC/MS (Headspace)
T16	GC/MS
T149	GC/MS (SIR)

Accreditation Summary

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Electrical Conductivity	T7	A40	10	µS/cm	N	001-008
pH	T7	A40			U	001-008
Redox Potential	T7	A40		mV	N	001-008
TPH (C5-C6 aliphatic)	T54	AR	10	µg/kg	N	001-008
TPH (C6-C8 aliphatic)	T54	AR	10	µg/kg	N	001-008
TPH (C8-C10 aliphatic)	T54	AR	10	µg/kg	N	001-008
TPH (C6-C7 aromatic)	T54	AR	10	µg/kg	N	001-008
TPH (C7-C8 aromatic)	T54	AR	10	µg/kg	N	001-008
TPH (C8-C10 aromatic)	T54	AR	10	µg/kg	N	001-008
Total Petroleum Hydrocarbons (C5 - C10 aliphatic/aromatic)	T85	AR	10	µg/kg	N	001-008
TPH (C11-C20)	T8	AR	1	mg/kg	U	001-008
TPH (C20-C40)	T8	AR	1	mg/kg	N	001-008
Benzene	T54	AR	1	µg/kg	U	001-008
EthylBenzene	T54	AR	1	µg/kg	U	001-008
Methyl tert-Butyl Ether	T54	AR	1	µg/kg	N	001-008
Cresols	T16	AR	0.01	mg/kg	U	001-008
Phenol	T149	AR	0.01	mg/kg	U	001-008
Xylenols	T16	AR	0.01	mg/kg	U	001-008
SVOC screen (extra peaks)	T16	AR	10	mg/kg	N	001-008
Phenol	T16	AR	0.1	mg/kg	U	001-008
Bis (2-chloroethyl) ether	T16	AR	0.1	mg/kg	U	001-008
2-Chlorophenol	T16	AR	0.1	mg/kg	U	001-008
1,3-Dichlorobenzene	T16	AR	0.1	mg/kg	U	001-008
1,4-Dichlorobenzene	T16	AR	0.1	mg/kg	U	001-008
1,2-Dichlorobenzene	T16	AR	0.1	mg/kg	U	001-008
Bis (2-chloroisopropyl) ether	T16	AR	0.1	mg/kg	U	001-008
2-methyl phenol	T16	AR	0.1	mg/kg	U	001-008
3/4-Methylphenol	T16	AR	0.1	mg/kg	U	001-008
Hexachloroethane	T16	AR	0.1	mg/kg	U	001-008
Nitrobenzene	T16	AR	0.1	mg/kg	U	001-008
Isophorone	T16	AR	0.1	mg/kg	U	001-008
2-Nitrophenol	T16	AR	0.1	mg/kg	U	001-008
2,4-Dimethylphenol	T16	AR	0.1	mg/kg	U	001-008
Bis (2-chloroethoxy) methane	T16	AR	0.1	mg/kg	U	001-008
2,4-Dichlorophenol	T16	AR	0.1	mg/kg	U	001-008
1,2,4-Trichlorobenzene	T16	AR	0.1	mg/kg	U	001-008
Naphthalene	T16	AR	0.1	mg/kg	U	001-008
4-Chloroaniline	T16	AR	0.1	mg/kg	U	001-008
Hexachlorobutadiene	T16	AR	0.1	mg/kg	U	001-008
4-Chloro-3-methylphenol	T16	AR	0.1	mg/kg	U	001-008
2-Methylnaphthalene	T16	AR	0.1	mg/kg	U	001-008
Hexachlorocyclopentadiene	T16	AR	0.1	mg/kg	U	001-008
2,4,6-Trichlorophenol	T16	AR	0.1	mg/kg	U	001-008
2,4,5-Trichlorophenol	T16	AR	0.1	mg/kg	U	001-008
2-Chloronaphthalene	T16	AR	0.1	mg/kg	U	001-008
2-Nitroaniline	T16	AR	0.1	mg/kg	U	001-008

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Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Dimethyl phthalate	T16	AR	0.1	mg/kg	U	001-008
2,6-Dinitrotoluene	T16	AR	0.1	mg/kg	U	001-008
Acenaphthylene	T16	AR	0.1	mg/kg	U	001-008
Acenaphthene	T16	AR	0.1	mg/kg	U	001-008
3-Nitroaniline	T16	AR	0.1	mg/kg	U	001-008
2,4-Dinitrophenol	T16	AR	0.1	mg/kg	U	001-008
Dibenzofuran	T16	AR	0.1	mg/kg	U	001-008
2,4-Dinitrotoluene	T16	AR	0.1	mg/kg	U	001-008
4-Nitrophenol	T16	AR	0.1	mg/kg	U	001-008
Diethyl phthalate	T16	AR	0.1	mg/kg	U	001-008
Fluorene	T16	AR	0.1	mg/kg	U	001-008
4-Chlorophenyl phenylether	T16	AR	0.1	mg/kg	U	001-008
4-Nitroaniline	T16	AR	0.1	mg/kg	U	001-008
Azobenzene	T16	AR	0.1	mg/kg	U	001-008
4-Bromophenyl phenylether	T16	AR	0.1	mg/kg	U	001-008
Hexachlorobenzene	T16	AR	0.1	mg/kg	U	001-008
Pentachlorophenol	T16	AR	0.1	mg/kg	U	001-008
Phenanthrene	T16	AR	0.1	mg/kg	U	001-008
Anthracene	T16	AR	0.1	mg/kg	U	001-008
Carbazole	T16	AR	0.1	mg/kg	U	001-008
Di-n-butylphthalate	T16	AR	0.1	mg/kg	U	001-008
Fluoranthene	T16	AR	0.1	mg/kg	U	001-008
Pyrene	T16	AR	0.1	mg/kg	U	001-008
Butyl benzylphthalate	T16	AR	0.1	mg/kg	U	001-008
Benzo(a)Anthracene	T16	AR	0.1	mg/kg	U	001-008
Chrysene	T16	AR	0.1	mg/kg	U	001-008
Bis (2-ethylhexyl)phthalate	T16	AR	0.1	mg/kg	U	001-008
Di-n-octylphthalate	T16	AR	0.1	mg/kg	U	001-008
Benzo(b/k)Fluoranthene	T16	AR	0.1	mg/kg	U	001-008
Benzo(a)Pyrene	T16	AR	0.1	mg/kg	U	001-008
Indeno(123-cd)Pyrene	T16	AR	0.1	mg/kg	U	001-008
Dibenzo(ah)Anthracene	T16	AR	0.1	mg/kg	U	001-008
Benzo(ghi)Perylene	T16	AR	0.1	mg/kg	U	001-008
VOC Screen	T54	AR	100	µg/kg	N	001-008
Dichlorodifluoromethane	T54	AR	5	µg/kg	U	001-008
Chloromethane	T54	AR	5	µg/kg	U	001-008
Vinyl chloride	T54	AR	5	µg/kg	U	001-008
Bromomethane	T54	AR	5	µg/kg	U	001-008
Chloroethane	T54	AR	5	µg/kg	U	001-008
Trichlorofluoromethane	T54	AR	5	µg/kg	U	001-008
1,1-Dichloroethylene	T54	AR	5	µg/kg	U	001-008
Dichloromethane	T54	AR	50	µg/kg	N	001-008
Trans-1,2-Dichloroethene	T54	AR	5	µg/kg	U	001-008
1,1-Dichloroethane	T54	AR	5	µg/kg	U	001-008
Cis-1,2-Dichloroethylene	T54	AR	5	µg/kg	U	001-008
2,2-Dichloropropane	T54	AR	5	µg/kg	U	001-008
Chloroform	T54	AR	5	µg/kg	U	001-008
Bromochloromethane	T54	AR	5	µg/kg	U	001-008
1,1,1-Trichloroethane	T54	AR	5	µg/kg	U	001-008
1,1-Dichloropropene	T54	AR	5	µg/kg	U	001-008
Carbon tetrachloride	T54	AR	5	µg/kg	U	001-008
1,2-Dichloroethane	T54	AR	5	µg/kg	U	001-008
1,2-Dichloropropane	T54	AR	5	µg/kg	U	001-008
1,1,2-Trichloroethylene	T54	AR	5	µg/kg	U	001-008
Bromodichloromethane	T54	AR	5	µg/kg	U	001-008
Dibromomethane	T54	AR	5	µg/kg	U	001-008
Cis-1,3-Dichloropropene	T54	AR	5	µg/kg	U	001-008
Toluene	T54	AR	1	µg/kg	U	001-008
Trans-1,3-Dichloropropene	T54	AR	5	µg/kg	U	001-008
1,1,2-Trichloroethane	T54	AR	5	µg/kg	U	001-008
1,3-Dichloropropane	T54	AR	5	µg/kg	U	001-008
Tetrachloroethene	T54	AR	5	µg/kg	U	001-008
Chlorodibromomethane	T54	AR	5	µg/kg	U	001-008
1,2-dibromoethane	T54	AR	5	µg/kg	U	001-008
Chlorobenzene	T54	AR	5	µg/kg	U	001-008
1,1,1,2-Tetrachloroethane	T54	AR	5	µg/kg	U	001-008
M/P Xylene	T54	AR	1	µg/kg	U	001-008
O Xylene	T54	AR	1	µg/kg	U	001-008
Styrene	T54	AR	5	µg/kg	U	001-008
Bromoform	T54	AR	5	µg/kg	U	001-008

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Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Isopropyl benzene	T54	AR	5	µg/kg	U	001-008
1,1,2,2-Tetrachloroethane	T54	AR	5	µg/kg	U	001-008
1,2,3-Trichloropropane	T54	AR	5	µg/kg	U	001-008
n-Propylbenzene	T54	AR	5	µg/kg	U	001-008
Bromobenzene	T54	AR	5	µg/kg	U	001-008
1,3,5-Trimethylbenzene	T54	AR	5	µg/kg	U	001-008
T-Butylbenzene	T54	AR	5	µg/kg	U	001-008
1,2,4-Trimethylbenzene	T54	AR	5	µg/kg	U	001-008
S-Butylbenzene	T54	AR	5	µg/kg	U	001-008
p-Isopropyltoluene	T54	AR	5	µg/kg	U	001-008
2-Chlorotoluene	T54	AR	5	µg/kg	U	001-008
4-Chlorotoluene	T54	AR	5	µg/kg	U	001-008
1,3-Dichlorobenzene	T54	AR	5	µg/kg	U	001-008
1,4-Dichlorobenzene	T54	AR	5	µg/kg	U	001-008
1,2-Dichlorobenzene	T54	AR	5	µg/kg	U	001-008

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Certificate of Analysis

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Report Number: 312786-1

Date of Report: 29-Jan-2013

Customer: ERS,Environmental Reclamation Services Ltd
Westerhill Road
Bishopbriggs
Glasgow
G64 2QH

Customer Contact: Mr David Laird

Customer Job Reference: 9935167
Customer Purchase Order: 1088-5-9935167
Customer Site Reference: Chapelton
Date Job Received at SAL: 18-Jan-2013
Date Analysis Started: 23-Jan-2013
Date Analysis Completed: 29-Jan-2013

The results reported relate to samples received in the laboratory
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation
This report should not be reproduced except in full without the written approval of the laboratory
Tests covered by this certificate were conducted in accordance with SAL SOPs
All results have been reviewed in accordance with QP22

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Report checked
and authorised by :
Miss Stephanie Green
Project Manager

Issued by :
Miss Stephanie Green
Project Manager

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SAL Reference: 312786
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil
Miscellaneous

				SAL Reference	**312786 001**	**312786 002**
				Customer Sample Reference	**TP21 0.00m**	**TP21 1.00m**
				Date Sampled	**17-JAN-2013**	**17-JAN-2013**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**		
Asbestos ID	T27	AR			Asbestos not detected -	Asbestos not detected -
Phenol	T149	AR	0.01	mg/kg	<0.01	<0.01
Antimony	T82	A40	4	mg/kg	<4	<4
Arsenic	T82	A40	2	mg/kg	**6**	**5**
Boron (water-soluble)	T112	A40	1	mg/kg	<1	<1
Cadmium	T82	A40	1	mg/kg	<1	<1
Chromium	T82	A40	1	mg/kg	**21**	**41**
Copper	T82	A40	1	mg/kg	**11**	**28**
Lead	T82	A40	3	mg/kg	**16**	**15**
Mercury	T82	A40	1	mg/kg	<1	<1
Nickel	T82	A40	1	mg/kg	**12**	**25**
Selenium	T82	A40	3	mg/kg	<3	<3
SO4(2:1)	T112	A40	10	mg/l	<10	<10
Zinc	T82	A40	1	mg/kg	**42**	**75**
pH	T7	A40			**7.2**	**5.4**

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SAL Reference: 312786
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil
TPH (CWG)

				SAL Reference	**312786 001**	**312786 002**
				Customer Sample Reference	**TP21 0.00m**	**TP21 1.00m**
				Date Sampled	**17-JAN-2013**	**17-JAN-2013**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**		
TPH (C5-C6 aliphatic)	T54	AR	10	µg/kg	<10	<10
TPH (C6-C8 aliphatic)	T54	AR	10	µg/kg	<10	<10
TPH (C8-C10 aliphatic)	T54	AR	10	µg/kg	<10	<10
TPH (C10-C12 aliphatic)	T8	AR	1	mg/kg	<1	<1
TPH (C12-C16 aliphatic)	T8	AR	1	mg/kg	<1	<1
TPH (C16-C21 aliphatic)	T8	AR	1	mg/kg	(13) <1	(13) <1
TPH (C21-C35 aliphatic)	T8	AR	1	mg/kg	<1	<1
TPH (C6-C7 aromatic)	T54	AR	10	µg/kg	<10	<10
TPH (C7-C8 aromatic)	T54	AR	10	µg/kg	<10	<10
TPH (C8-C10 aromatic)	T54	AR	10	µg/kg	<10	<10
TPH (C10-C12 aromatic)	T8	AR	1	mg/kg	<1	<1
TPH (C12-C16 aromatic)	T8	AR	1	mg/kg	<1	<1
TPH (C16-C21 aromatic)	T8	AR	1	mg/kg	<1	<1
TPH (C21-C35 aromatic)	T8	AR	1	mg/kg	<1	<1

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SAL Reference: 312786
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil

Total and Speciated USEPA16 PAH (EK)

				SAL Reference	**312786 001**	**312786 002**
				Customer Sample Reference	**TP21 0.00m**	**TP21 1.00m**
				Date Sampled	**17-JAN-2013**	**17-JAN-2013**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**		
Naphthalene	T149	AR	0.01	mg/kg	<0.01	<0.01
Acenaphthylene	T149	AR	0.01	mg/kg	<0.01	<0.01
Acenaphthene	T149	AR	0.01	mg/kg	<0.01	<0.01
Fluorene	T149	AR	0.01	mg/kg	<0.01	<0.01
Phenanthrene	T149	AR	0.01	mg/kg	<0.01	<0.01
Anthracene	T149	AR	0.01	mg/kg	<0.01	<0.01
Fluoranthene	T149	AR	0.01	mg/kg	<0.01	<0.01
Pyrene	T149	AR	0.01	mg/kg	<0.01	<0.01
Benzo(a)Anthracene	T149	AR	0.01	mg/kg	<0.01	<0.01
Chrysene	T149	AR	0.01	mg/kg	<0.01	<0.01
Benzo(b)fluoranthene	T149	AR	0.01	mg/kg	<0.01	<0.01
Benzo(k)fluoranthene	T149	AR	0.01	mg/kg	<0.01	<0.01
Benzo(a)Pyrene	T149	AR	0.01	mg/kg	<0.01	<0.01
Indeno(123-cd)Pyrene	T149	AR	0.01	mg/kg	<0.01	<0.01
Dibenzo(ah)Anthracene	T149	AR	0.01	mg/kg	<0.01	<0.01
Benzo(ghi)Perylene	T149	AR	0.01	mg/kg	<0.01	<0.01
PAH(total)	T149	AR	0.01	mg/kg	<0.01	<0.01

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Index to symbols used in 312786-1

Value	Description
A40	Assisted dried < 40C
AR	As Received
13	Results have been blank corrected.
S	Analysis was subcontracted
U	Analysis is UKAS accredited
N	Analysis is not UKAS accredited

Method Index

Value	Description
T149	GC/MS (SIR)
T27	PLM
T82	ICP/OES (Sim)
T8	GC/FID
T54	GC/MS (Headspace)
T112	ICP/OES (SIM)(Water Extract)
T7	Probe

Accreditation Summary

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Asbestos ID	T27	AR			SU	001-002
Phenol	T149	AR	0.01	mg/kg	U	001-002
Antimony	T82	A40	4	mg/kg	U	001-002
Arsenic	T82	A40	2	mg/kg	U	001-002
Boron (water-soluble)	T112	A40	1	mg/kg	U	001-002
Cadmium	T82	A40	1	mg/kg	U	001-002
Chromium	T82	A40	1	mg/kg	U	001-002
Copper	T82	A40	1	mg/kg	U	001-002
Lead	T82	A40	3	mg/kg	U	001-002
Mercury	T82	A40	1	mg/kg	U	001-002
Nickel	T82	A40	1	mg/kg	U	001-002
Selenium	T82	A40	3	mg/kg	U	001-002
SO4(2:1)	T112	A40	10	mg/l	U	001-002
Zinc	T82	A40	1	mg/kg	U	001-002
pH	T7	A40			U	001-002
TPH (C5-C6 aliphatic)	T54	AR	10	µg/kg	N	001-002
TPH (C6-C8 aliphatic)	T54	AR	10	µg/kg	N	001-002
TPH (C8-C10 aliphatic)	T54	AR	10	µg/kg	N	001-002
TPH (C10-C12 aliphatic)	T8	AR	1	mg/kg	N	001-002
TPH (C12-C16 aliphatic)	T8	AR	1	mg/kg	N	001-002
TPH (C16-C21 aliphatic)	T8	AR	1	mg/kg	N	001-002
TPH (C21-C35 aliphatic)	T8	AR	1	mg/kg	N	001-002
TPH (C6-C7 aromatic)	T54	AR	10	µg/kg	N	001-002
TPH (C7-C8 aromatic)	T54	AR	10	µg/kg	N	001-002
TPH (C8-C10 aromatic)	T54	AR	10	µg/kg	N	001-002
TPH (C10-C12 aromatic)	T8	AR	1	mg/kg	N	001-002
TPH (C12-C16 aromatic)	T8	AR	1	mg/kg	N	001-002
TPH (C16-C21 aromatic)	T8	AR	1	mg/kg	N	001-002
TPH (C21-C35 aromatic)	T8	AR	1	mg/kg	N	001-002
Naphthalene	T149	AR	0.01	mg/kg	U	001-002
Acenaphthylene	T149	AR	0.01	mg/kg	U	001-002
Acenaphthene	T149	AR	0.01	mg/kg	U	001-002
Fluorene	T149	AR	0.01	mg/kg	U	001-002
Phenanthrene	T149	AR	0.01	mg/kg	U	001-002
Anthracene	T149	AR	0.01	mg/kg	U	001-002
Fluoranthene	T149	AR	0.01	mg/kg	U	001-002
Pyrene	T149	AR	0.01	mg/kg	U	001-002
Benzo(a)Anthracene	T149	AR	0.01	mg/kg	U	001-002
Chrysene	T149	AR	0.01	mg/kg	U	001-002
Benzo(b)fluoranthene	T149	AR	0.01	mg/kg	U	001-002
Benzo(k)fluoranthene	T149	AR	0.01	mg/kg	U	001-002
Benzo(a)Pyrene	T149	AR	0.01	mg/kg	U	001-002
Indeno(123-cd)Pyrene	T149	AR	0.01	mg/kg	U	001-002
Dibenzo(ah)Anthracene	T149	AR	0.01	mg/kg	U	001-002

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Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Benzo(ghi)Perylene	T149	AR	0.01	mg/kg	U	001-002
PAH(total)	T149	AR	0.01	mg/kg	U	001-002

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Scientific Analysis Laboratories Ltd

Certificate of Analysis

16 Langlands Place
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G75 0YF
Tel : 01355 573340
Fax : 01355 573341

Report Number: 314670-1

Date of Report: 08-Feb-2013

Customer: ERS,Environmental Reclamation Services Ltd
Westerhill Road
Bishopbriggs
Glasgow
G64 2QH

Customer Contact: Mr Andrew Biggerstaff

Customer Job Reference: 9935167
Customer Purchase Order: 1159-5-9935167
Customer Site Reference: Chapelton
Date Job Received at SAL: 24-Jan-2013
Date Analysis Started: 04-Feb-2013
Date Analysis Completed: 08-Feb-2013

The results reported relate to samples received in the laboratory
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation
This report should not be reproduced except in full without the written approval of the laboratory
Tests covered by this certificate were conducted in accordance with SAL SOPs
All results have been reviewed in accordance with QP22

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Report checked
and authorised by :
Miss Stephanie Green
Project Manager

Issued by :
Miss Stephanie Green
Project Manager

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SAL Reference: 314670
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil
Miscellaneous

				SAL Reference	**314670 008**	**314670 009**	**314670 011**	**314670 012**	**314670 014**
				Customer Sample Reference	**WBH07 0.50M**	**WBH07 1.00M**	**WBH08 0.50M**	**WBH08 1.00M**	**WBH08 2.00M**
				Date Sampled	**22-JAN-2013**	**22-JAN-2013**	**16-JAN-2013**	**16-JAN-2013**	**16-JAN-2013**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Total Petroleum Hydrocarbons	T8	AR	1	mg/kg	(13) <1	(13) <1	(13) <1	(13) <1	(13) <1

SAL Reference: 314670
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil
Miscellaneous

				SAL Reference	**314670 016**	**314670 018**
				Customer Sample Reference	**WBH09 0.50M**	**WBH09 1.50M**
				Date Sampled	**17-JAN-2013**	**17-JAN-2013**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**		
Total Petroleum Hydrocarbons	T8	AR	1	mg/kg	(13) <1	(13) <1

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SAL Reference: 314670
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil
Total and Speciated USEPA16 PAH (EK)

				SAL Reference	**314670 008**	**314670 009**	**314670 011**	**314670 012**	**314670 014**
				Customer Sample Reference	**WBH07 0.50M**	**WBH07 1.00M**	**WBH08 0.50M**	**WBH08 1.00M**	**WBH08 2.00M**
				Date Sampled	**22-JAN-2013**	**22-JAN-2013**	**16-JAN-2013**	**16-JAN-2013**	**16-JAN-2013**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**					
Naphthalene	T149	AR	0.01	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Acenaphthylene	T149	AR	0.01	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Acenaphthene	T149	AR	0.01	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Fluorene	T149	AR	0.01	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Phenanthrene	T149	AR	0.01	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Anthracene	T149	AR	0.01	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Fluoranthene	T149	AR	0.01	mg/kg	**0.02**	<0.01	<0.01	<0.01	<0.01
Pyrene	T149	AR	0.01	mg/kg	**0.02**	<0.01	<0.01	<0.01	<0.01
Benzo(a)Anthracene	T149	AR	0.01	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Chrysene	T149	AR	0.01	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(b)fluoranthene	T149	AR	0.01	mg/kg	**0.01**	<0.01	<0.01	<0.01	<0.01
Benzo(k)fluoranthene	T149	AR	0.01	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(a)Pyrene	T149	AR	0.01	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Indeno(123-cd)Pyrene	T149	AR	0.01	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenzo(ah)Anthracene	T149	AR	0.01	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(ghi)Perylene	T149	AR	0.01	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
PAH(total)	T149	AR	0.01	mg/kg	**0.05**	<0.01	<0.01	<0.01	<0.01

SAL Reference: 314670
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil
Total and Speciated USEPA16 PAH (EK)

				SAL Reference	**314670 016**	**314670 018**
				Customer Sample Reference	**WBH09 0.50M**	**WBH09 1.50M**
				Date Sampled	**17-JAN-2013**	**17-JAN-2013**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**		
Naphthalene	T149	AR	0.01	mg/kg	<0.01	<0.01
Acenaphthylene	T149	AR	0.01	mg/kg	<0.01	<0.01
Acenaphthene	T149	AR	0.01	mg/kg	<0.01	<0.01
Fluorene	T149	AR	0.01	mg/kg	<0.01	<0.01
Phenanthrene	T149	AR	0.01	mg/kg	**0.01**	<0.01
Anthracene	T149	AR	0.01	mg/kg	<0.01	<0.01
Fluoranthene	T149	AR	0.01	mg/kg	**0.02**	<0.01
Pyrene	T149	AR	0.01	mg/kg	**0.02**	<0.01
Benzo(a)Anthracene	T149	AR	0.01	mg/kg	**0.01**	<0.01
Chrysene	T149	AR	0.01	mg/kg	**0.01**	<0.01
Benzo(b)fluoranthene	T149	AR	0.01	mg/kg	**0.02**	<0.01
Benzo(k)fluoranthene	T149	AR	0.01	mg/kg	<0.01	<0.01
Benzo(a)Pyrene	T149	AR	0.01	mg/kg	**0.01**	<0.01
Indeno(123-cd)Pyrene	T149	AR	0.01	mg/kg	<0.01	<0.01
Dibenzo(ah)Anthracene	T149	AR	0.01	mg/kg	<0.01	<0.01
Benzo(ghi)Perylene	T149	AR	0.01	mg/kg	**0.01**	<0.01
PAH(total)	T149	AR	0.01	mg/kg	**0.11**	<0.01

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Index to symbols used in 314670-1

Value	Description
AR	As Received
13	Results have been blank corrected.
U	Analysis is UKAS accredited

Method Index

Value	Description
T8	GC/FID
T149	GC/MS (SIR)

Accreditation Summary

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Total Petroleum Hydrocarbons	T8	AR	1	mg/kg	U	008-009,011-012,014,016,018
Naphthalene	T149	AR	0.01	mg/kg	U	008-009,011-012,014,016,018
Acenaphthylene	T149	AR	0.01	mg/kg	U	008-009,011-012,014,016,018
Acenaphthene	T149	AR	0.01	mg/kg	U	008-009,011-012,014,016,018
Fluorene	T149	AR	0.01	mg/kg	U	008-009,011-012,014,016,018
Phenanthrene	T149	AR	0.01	mg/kg	U	008-009,011-012,014,016,018
Anthracene	T149	AR	0.01	mg/kg	U	008-009,011-012,014,016,018
Fluoranthene	T149	AR	0.01	mg/kg	U	008-009,011-012,014,016,018
Pyrene	T149	AR	0.01	mg/kg	U	008-009,011-012,014,016,018
Benzo(a)Anthracene	T149	AR	0.01	mg/kg	U	008-009,011-012,014,016,018
Chrysene	T149	AR	0.01	mg/kg	U	008-009,011-012,014,016,018
Benzo(b)fluoranthene	T149	AR	0.01	mg/kg	U	008-009,011-012,014,016,018
Benzo(k)fluoranthene	T149	AR	0.01	mg/kg	U	008-009,011-012,014,016,018
Benzo(a)Pyrene	T149	AR	0.01	mg/kg	U	008-009,011-012,014,016,018
Indeno(123-cd)Pyrene	T149	AR	0.01	mg/kg	U	008-009,011-012,014,016,018
Dibenzo(ah)Anthracene	T149	AR	0.01	mg/kg	U	008-009,011-012,014,016,018
Benzo(ghi)Perylene	T149	AR	0.01	mg/kg	U	008-009,011-012,014,016,018
PAH(total)	T149	AR	0.01	mg/kg	U	008-009,011-012,014,016,018

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Scientific Analysis Laboratories Ltd

Certificate of Analysis

16 Langlands Place
Kelvin South Business
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Tel : 01355 573340
Fax : 01355 573341

Report Number: 316180-1

Date of Report: 20-Feb-2013

Customer: ERS,Environmental Reclamation Services Ltd
Westerhill Road
Bishopbriggs
Glasgow
G64 2QH

Customer Contact: Mr Andrew Biggerstaff

Customer Job Reference: 9935167
Customer Purchase Order: 1226-5-9935167
Customer Site Reference: Chapelton
Date Job Received at SAL: 08-Feb-2013
Date Analysis Started: 14-Feb-2013
Date Analysis Completed: 20-Feb-2013

The results reported relate to samples received in the laboratory
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation
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Tests covered by this certificate were conducted in accordance with SAL SOPs
All results have been reviewed in accordance with QP22

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Report checked
and authorised by :
Miss Stephanie Green
Project Manager

Issued by :
Miss Stephanie Green
Project Manager

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SAL Reference: 316180
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil
UKWIR Suite

				SAL Reference	**316180 001**	**316180 002**	**316180 003**
				Customer Sample Reference	**TP85 1.00m**	**TP86 1.00m**	**TP87 1.20m**
				Date Sampled	**06-FEB-2013**	**06-FEB-2013**	**06-FEB-2013**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
TPH (C5-C6 aliphatic)	T54	AR	10	µg/kg	<10	<10	<10
TPH (C6-C8 aliphatic)	T54	AR	10	µg/kg	<10	<10	<10
TPH (C8-C10 aliphatic)	T54	AR	10	µg/kg	<10	<10	<10
TPH (C6-C7 aromatic)	T54	AR	10	µg/kg	<10	<10	<10
TPH (C7-C8 aromatic)	T54	AR	10	µg/kg	<10	<10	<10
TPH (C8-C10 aromatic)	T54	AR	10	µg/kg	<10	<10	<10
Total Petroleum Hydrocarbons (C5 - C10 aliphatic/aromatic)	T85	AR	10	µg/kg	<10	<10	<10
TPH (C11-C20)	T8	AR	1	mg/kg	(13) <1	(13) <1	(13) <1
TPH (C20-C40)	T8	AR	1	mg/kg	<1	<1	**9**
Methyl tert-Butyl Ether	T54	AR	1	µg/kg	<1	<1	<1
Electrical Conductivity	T7	A40	10	µS/cm	**110**	**96**	**150**
pH	T7	A40			**6.0**	**5.7**	**6.4**
Redox Potential	T7	A40		mV	**25**	**25**	**24**

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SAL Reference: 316180
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil
BTEX

				SAL Reference	**316180 001**	**316180 002**	**316180 003**
				Customer Sample Reference	**TP85 1.00m**	**TP86 1.00m**	**TP87 1.20m**
				Date Sampled	**06-FEB-2013**	**06-FEB-2013**	**06-FEB-2013**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Benzene	T54	AR	1	µg/kg	(13) <1	(13) <1	(13) <1
EthylBenzene	T54	AR	1	µg/kg	<1	<1	<1
M/P Xylene	T54	AR	1	µg/kg	<1	<1	<1
O Xylene	T54	AR	1	µg/kg	<1	<1	<1
Toluene	T54	AR	1	µg/kg	<1	<1	<1

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SAL Reference: 316180
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil
Phenols (Speciated)

				SAL Reference	**316180 001**	**316180 002**	**316180 003**
				Customer Sample Reference	**TP85 1.00m**	**TP86 1.00m**	**TP87 1.20m**
				Date Sampled	**06-FEB-2013**	**06-FEB-2013**	**06-FEB-2013**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Cresols	T16	AR	0.01	mg/kg	<0.01	<0.01	<0.01
Phenol	T149	AR	0.01	mg/kg	<0.01	<0.01	<0.01
Xylenols	T16	AR	0.01	mg/kg	<0.01	<0.01	<0.01

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SAL Reference: 316180
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil

SVOC 625 + Tentatively Identified Compounds

				SAL Reference	**316180 001**	**316180 002**	**316180 003**	**316180 004**
				Customer Sample Reference	**TP85 1.00m**	**TP86 1.00m**	**TP87 1.20m**	**SVOC Blank**
				Date Sampled	**06-FEB-2013**	**06-FEB-2013**	**06-FEB-2013**	**Deviating**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**				
SVOC screen (extra peaks)	T16	AR	10	mg/kg	<10	<10	<10	-
Phenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Bis (2-chloroethyl) ether	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
2-Chlorophenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Bis (2-chloroisopropyl) ether	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
2-methyl phenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
3/4-Methylphenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Hexachloroethane	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Nitrobenzene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Isophorone	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
2-Nitrophenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
2,4-Dimethylphenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Bis (2-chloroethoxy) methane	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
2,4-Dichlorophenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
1,2,4-Trichlorobenzene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Naphthalene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
4-Chloroaniline	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Hexachlorobutadiene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
4-Chloro-3-methylphenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
2-Methylnaphthalene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Hexachlorocyclopentadiene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
2,4,6-Trichlorophenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
2,4,5-Trichlorophenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
2-Chloronaphthalene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
2-Nitroaniline	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Dimethyl phthalate	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
2,6-Dinitrotoluene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Acenaphthene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
3-Nitroaniline	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
2,4-Dinitrophenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Dibenzofuran	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
2,4-Dinitrotoluene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
4-Nitrophenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Diethyl phthalate	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Fluorene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
4-Chlorophenyl phenylether	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
4-Nitroaniline	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Azobenzene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
4-Bromophenyl phenylether	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Hexachlorobenzene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Pentachlorophenol	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Phenanthrene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Anthracene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Carbazole	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Di-n-butylphthalate	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Fluoranthene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Pyrene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Butyl benzylphthalate	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Benzo(a)Anthracene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Chrysene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Bis (2-ethylhexyl)phthalate	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Di-n-octylphthalate	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Benzo(b/k)Fluoranthene	T16	AR	0.1	mg/kg	<0.1	<0.1	**0.1**	<0.1
Benzo(a)Pyrene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Indeno(123-cd)Pyrene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1
Dibenzo(ah)Anthracene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1

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SAL Reference: 316180
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil

SVOC 625 + Tentatively Identified Compounds

				SAL Reference	**316180 001**	**316180 002**	**316180 003**	**316180 004**
				Customer Sample Reference	**TP85 1.00m**	**TP86 1.00m**	**TP87 1.20m**	**SVOC Blank**
				Date Sampled	**06-FEB-2013**	**06-FEB-2013**	**06-FEB-2013**	**Deviating**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**				
Benzo(ghi)Perylene	T16	AR	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1

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SAL Reference: 316180
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil

VOC 624 + Tentatively Identified Compounds

				SAL Reference	**316180 001**	**316180 002**	**316180 003**
				Customer Sample Reference	**TP85 1.00m**	**TP86 1.00m**	**TP87 1.20m**
				Date Sampled	**06-FEB-2013**	**06-FEB-2013**	**06-FEB-2013**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
VOC Screen	T54	AR	100	µg/kg	<100	<100	<100

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SAL Reference: 316180
Project Site: Chapelton
Customer Reference: 9935167

Soil Analysed as Soil
Volatile Organic Compounds (USEPA 624)

				SAL Reference	**316180 001**	**316180 002**	**316180 003**
				Customer Sample Reference	**TP85 1.00m**	**TP86 1.00m**	**TP87 1.20m**
				Date Sampled	**06-FEB-2013**	**06-FEB-2013**	**06-FEB-2013**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Dichlorodifluoromethane	T54	AR	5	µg/kg	<5	<5	<5
Chloromethane	T54	AR	5	µg/kg	<5	<5	<5
Vinyl chloride	T54	AR	5	µg/kg	<5	<5	<5
Bromomethane	T54	AR	5	µg/kg	<5	<5	<5
Chloroethane	T54	AR	5	µg/kg	<5	<5	<5
Trichlorofluoromethane	T54	AR	5	µg/kg	<5	<5	<5
1,1-Dichloroethylene	T54	AR	5	µg/kg	<5	<5	<5
Dichloromethane	T54	AR	50	µg/kg	<50	<50	<50
Trans-1,2-Dichloroethene	T54	AR	5	µg/kg	<5	<5	<5
1,1-Dichloroethane	T54	AR	5	µg/kg	<5	<5	<5
Cis-1,2-Dichloroethylene	T54	AR	5	µg/kg	<5	<5	<5
2,2-Dichloropropane	T54	AR	5	µg/kg	<5	<5	<5
Chloroform	T54	AR	5	µg/kg	<5	<5	<5
Bromochloromethane	T54	AR	5	µg/kg	<5	<5	<5
1,1,1-Trichloroethane	T54	AR	5	µg/kg	<5	<5	<5
1,1-Dichloropropene	T54	AR	5	µg/kg	<5	<5	<5
Carbon tetrachloride	T54	AR	5	µg/kg	<5	<5	<5
1,2-Dichloroethane	T54	AR	5	µg/kg	<5	<5	<5
Benzene	T54	AR	1	µg/kg	(13) <1	(13) <1	(13) <1
1,2-Dichloropropane	T54	AR	5	µg/kg	<5	<5	<5
1,1,2-Trichloroethylene	T54	AR	5	µg/kg	<5	<5	<5
Bromodichloromethane	T54	AR	5	µg/kg	<5	<5	<5
Dibromomethane	T54	AR	5	µg/kg	<5	<5	<5
Cis-1,3-Dichloropropene	T54	AR	5	µg/kg	<5	<5	<5
Toluene	T54	AR	1	µg/kg	<1	<1	<1
Trans-1,3-Dichloropropene	T54	AR	5	µg/kg	<5	<5	<5
1,1,2-Trichloroethane	T54	AR	5	µg/kg	<5	<5	<5
1,3-Dichloropropane	T54	AR	5	µg/kg	<5	<5	<5
Tetrachloroethene	T54	AR	5	µg/kg	<5	<5	<5
Chlorodibromomethane	T54	AR	5	µg/kg	<5	<5	<5
1,2-dibromoethane	T54	AR	5	µg/kg	<5	<5	<5
Chlorobenzene	T54	AR	5	µg/kg	<5	<5	<5
1,1,1,2-Tetrachloroethane	T54	AR	5	µg/kg	<5	<5	<5
EthylBenzene	T54	AR	1	µg/kg	<1	<1	<1
M/P Xylene	T54	AR	1	µg/kg	<1	<1	<1
O Xylene	T54	AR	1	µg/kg	<1	<1	<1
Styrene	T54	AR	5	µg/kg	<5	<5	<5
Bromoform	T54	AR	5	µg/kg	<5	<5	<5
Isopropyl benzene	T54	AR	5	µg/kg	<5	<5	<5
1,1,2,2-Tetrachloroethane	T54	AR	5	µg/kg	<5	<5	<5
1,2,3-Trichloropropane	T54	AR	5	µg/kg	<5	<5	<5
n-Propylbenzene	T54	AR	5	µg/kg	<5	<5	<5
Bromobenzene	T54	AR	5	µg/kg	<5	<5	<5
1,3,5-Trimethylbenzene	T54	AR	5	µg/kg	<5	<5	<5
T-Butylbenzene	T54	AR	5	µg/kg	<5	<5	<5
1,2,4-Trimethylbenzene	T54	AR	5	µg/kg	<5	<5	<5
S-Butylbenzene	T54	AR	5	µg/kg	<5	<5	<5
p-Isopropyltoluene	T54	AR	5	µg/kg	<5	<5	<5
2-Chlorotoluene	T54	AR	5	µg/kg	<5	<5	<5
4-Chlorotoluene	T54	AR	5	µg/kg	<5	<5	<5
1,3-Dichlorobenzene	T54	AR	5	µg/kg	<5	<5	<5
1,4-Dichlorobenzene	T54	AR	5	µg/kg	<5	<5	<5
1,2-Dichlorobenzene	T54	AR	5	µg/kg	<5	<5	<5

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Index to symbols used in 316180-1

Value	Description
AR	As Received
A40	Assisted dried < 40C
13	Results have been blank corrected.
U	Analysis is UKAS accredited
N	Analysis is not UKAS accredited

Method Index

Value	Description
T8	GC/FID
T54	GC/MS (Headspace)
T7	Probe
T85	Calc
T16	GC/MS
T149	GC/MS (SIR)

Accreditation Summary

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
TPH (C5-C6 aliphatic)	T54	AR	10	µg/kg	N	001-003
TPH (C6-C8 aliphatic)	T54	AR	10	µg/kg	N	001-003
TPH (C8-C10 aliphatic)	T54	AR	10	µg/kg	N	001-003
TPH (C6-C7 aromatic)	T54	AR	10	µg/kg	N	001-003
TPH (C7-C8 aromatic)	T54	AR	10	µg/kg	N	001-003
TPH (C8-C10 aromatic)	T54	AR	10	µg/kg	N	001-003
Total Petroleum Hydrocarbons (C5 - C10 aliphatic/aromatic)	T85	AR	10	µg/kg	N	001-003
TPH (C11-C20)	T8	AR	1	mg/kg	U	001-003
TPH (C20-C40)	T8	AR	1	mg/kg	N	001-003
Methyl tert-Butyl Ether	T54	AR	1	µg/kg	N	001-003
Electrical Conductivity	T7	A40	10	µS/cm	N	001-003
pH	T7	A40			U	001-003
Redox Potential	T7	A40		mV	N	001-003
Benzene	T54	AR	1	µg/kg	U	001-003
EthylBenzene	T54	AR	1	µg/kg	U	001-003
O Xylene	T54	AR	1	µg/kg	U	001-003
Cresols	T16	AR	0.01	mg/kg	U	001-003
Phenol	T149	AR	0.01	mg/kg	U	001-003
Xylenols	T16	AR	0.01	mg/kg	U	001-003
SVOC screen (extra peaks)	T16	AR	10	mg/kg	N	001-003
Phenol	T16	AR	0.1	mg/kg	U	001-004
Bis (2-chloroethyl) ether	T16	AR	0.1	mg/kg	U	001-004
2-Chlorophenol	T16	AR	0.1	mg/kg	U	001-004
1,3-Dichlorobenzene	T16	AR	0.1	mg/kg	U	001-004
1,4-Dichlorobenzene	T16	AR	0.1	mg/kg	U	001-004
1,2-Dichlorobenzene	T16	AR	0.1	mg/kg	U	001-004
Bis (2-chloroisopropyl) ether	T16	AR	0.1	mg/kg	U	001-004
2-methyl phenol	T16	AR	0.1	mg/kg	U	001-004
3/4-Methylphenol	T16	AR	0.1	mg/kg	U	001-004
Hexachloroethane	T16	AR	0.1	mg/kg	U	001-004
Nitrobenzene	T16	AR	0.1	mg/kg	U	001-004
Isophorone	T16	AR	0.1	mg/kg	U	001-004
2-Nitrophenol	T16	AR	0.1	mg/kg	U	001-004
2,4-Dimethylphenol	T16	AR	0.1	mg/kg	U	001-004
Bis (2-chloroethoxy) methane	T16	AR	0.1	mg/kg	U	001-004
2,4-Dichlorophenol	T16	AR	0.1	mg/kg	U	001-004
1,2,4-Trichlorobenzene	T16	AR	0.1	mg/kg	U	001-004
Naphthalene	T16	AR	0.1	mg/kg	U	001-004
4-Chloroaniline	T16	AR	0.1	mg/kg	U	001-004
Hexachlorobutadiene	T16	AR	0.1	mg/kg	U	001-004
4-Chloro-3-methylphenol	T16	AR	0.1	mg/kg	U	001-004
2-Methylnaphthalene	T16	AR	0.1	mg/kg	U	001-004
Hexachlorocyclopentadiene	T16	AR	0.1	mg/kg	U	001-004
2,4,6-Trichlorophenol	T16	AR	0.1	mg/kg	U	001-004
2,4,5-Trichlorophenol	T16	AR	0.1	mg/kg	U	001-004
2-Chloronaphthalene	T16	AR	0.1	mg/kg	U	001-004

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Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
2-Nitroaniline	T16	AR	0.1	mg/kg	U	001-004
Dimethyl phthalate	T16	AR	0.1	mg/kg	U	001-004
2,6-Dinitrotoluene	T16	AR	0.1	mg/kg	U	001-004
Acenaphthylene	T16	AR	0.1	mg/kg	U	001-004
Acenaphthene	T16	AR	0.1	mg/kg	U	001-004
3-Nitroaniline	T16	AR	0.1	mg/kg	U	001-004
2,4-Dinitrophenol	T16	AR	0.1	mg/kg	U	001-004
Dibenzofuran	T16	AR	0.1	mg/kg	U	001-004
2,4-Dinitrotoluene	T16	AR	0.1	mg/kg	U	001-004
4-Nitrophenol	T16	AR	0.1	mg/kg	U	001-004
Diethyl phthalate	T16	AR	0.1	mg/kg	U	001-004
Fluorene	T16	AR	0.1	mg/kg	U	001-004
4-Chlorophenyl phenylether	T16	AR	0.1	mg/kg	U	001-004
4-Nitroaniline	T16	AR	0.1	mg/kg	U	001-004
Azobenzene	T16	AR	0.1	mg/kg	U	001-004
4-Bromophenyl phenylether	T16	AR	0.1	mg/kg	U	001-004
Hexachlorobenzene	T16	AR	0.1	mg/kg	U	001-004
Pentachlorophenol	T16	AR	0.1	mg/kg	U	001-004
Phenanthrene	T16	AR	0.1	mg/kg	U	001-004
Anthracene	T16	AR	0.1	mg/kg	U	001-004
Carbazole	T16	AR	0.1	mg/kg	U	001-004
Di-n-butylphthalate	T16	AR	0.1	mg/kg	U	001-004
Fluoranthene	T16	AR	0.1	mg/kg	U	001-004
Pyrene	T16	AR	0.1	mg/kg	U	001-004
Butyl benzylphthalate	T16	AR	0.1	mg/kg	U	001-004
Benzo(a)Anthracene	T16	AR	0.1	mg/kg	U	001-004
Chrysene	T16	AR	0.1	mg/kg	U	001-004
Bis (2-ethylhexyl)phthalate	T16	AR	0.1	mg/kg	U	001-004
Di-n-octylphthalate	T16	AR	0.1	mg/kg	U	001-004
Benzo(b/k)Fluoranthene	T16	AR	0.1	mg/kg	U	001-004
Benzo(a)Pyrene	T16	AR	0.1	mg/kg	U	001-004
Indeno(123-cd)Pyrene	T16	AR	0.1	mg/kg	U	001-004
Dibenzo(ah)Anthracene	T16	AR	0.1	mg/kg	U	001-004
Benzo(ghi)Perylene	T16	AR	0.1	mg/kg	U	001-004
VOC Screen	T54	AR	100	µg/kg	N	001-003
Dichlorodifluoromethane	T54	AR	5	µg/kg	U	001-003
Chloromethane	T54	AR	5	µg/kg	U	001-003
Vinyl chloride	T54	AR	5	µg/kg	U	001-003
Bromomethane	T54	AR	5	µg/kg	U	001-003
Chloroethane	T54	AR	5	µg/kg	U	001-003
Trichlorofluoromethane	T54	AR	5	µg/kg	U	001-003
1,1-Dichloroethylene	T54	AR	5	µg/kg	U	001-003
Dichloromethane	T54	AR	50	µg/kg	N	001-003
Trans-1,2-Dichloroethene	T54	AR	5	µg/kg	U	001-003
1,1-Dichloroethane	T54	AR	5	µg/kg	U	001-003
Cis-1,2-Dichloroethylene	T54	AR	5	µg/kg	U	001-003
2,2-Dichloropropane	T54	AR	5	µg/kg	U	001-003
Chloroform	T54	AR	5	µg/kg	U	001-003
Bromochloromethane	T54	AR	5	µg/kg	U	001-003
1,1,1-Trichloroethane	T54	AR	5	µg/kg	U	001-003
1,1-Dichloropropene	T54	AR	5	µg/kg	U	001-003
Carbon tetrachloride	T54	AR	5	µg/kg	U	001-003
1,2-Dichloroethane	T54	AR	5	µg/kg	U	001-003
1,2-Dichloropropane	T54	AR	5	µg/kg	U	001-003
1,1,2-Trichloroethylene	T54	AR	5	µg/kg	U	001-003
Bromodichloromethane	T54	AR	5	µg/kg	U	001-003
Dibromomethane	T54	AR	5	µg/kg	U	001-003
Cis-1,3-Dichloropropene	T54	AR	5	µg/kg	U	001-003
Toluene	T54	AR	1	µg/kg	U	001-003
Trans-1,3-Dichloropropene	T54	AR	5	µg/kg	U	001-003
1,1,2-Trichloroethane	T54	AR	5	µg/kg	U	001-003
1,3-Dichloropropane	T54	AR	5	µg/kg	U	001-003
Tetrachloroethene	T54	AR	5	µg/kg	U	001-003
Chlorodibromomethane	T54	AR	5	µg/kg	U	001-003
1,2-dibromoethane	T54	AR	5	µg/kg	U	001-003
Chlorobenzene	T54	AR	5	µg/kg	U	001-003
1,1,1,2-Tetrachloroethane	T54	AR	5	µg/kg	U	001-003
M/P Xylene	T54	AR	1	µg/kg	U	001-003
Styrene	T54	AR	5	µg/kg	U	001-003
Bromoform	T54	AR	5	µg/kg	U	001-003

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Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Isopropyl benzene	T54	AR	5	µg/kg	U	001-003
1,1,2,2-Tetrachloroethane	T54	AR	5	µg/kg	U	001-003
1,2,3-Trichloropropane	T54	AR	5	µg/kg	U	001-003
n-Propylbenzene	T54	AR	5	µg/kg	U	001-003
Bromobenzene	T54	AR	5	µg/kg	U	001-003
1,3,5-Trimethylbenzene	T54	AR	5	µg/kg	U	001-003
T-Butylbenzene	T54	AR	5	µg/kg	U	001-003
1,2,4-Trimethylbenzene	T54	AR	5	µg/kg	U	001-003
S-Butylbenzene	T54	AR	5	µg/kg	U	001-003
p-Isopropyltoluene	T54	AR	5	µg/kg	U	001-003
2-Chlorotoluene	T54	AR	5	µg/kg	U	001-003
4-Chlorotoluene	T54	AR	5	µg/kg	U	001-003
1,3-Dichlorobenzene	T54	AR	5	µg/kg	U	001-003
1,4-Dichlorobenzene	T54	AR	5	µg/kg	U	001-003
1,2-Dichlorobenzene	T54	AR	5	µg/kg	U	001-003

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Certificate of Analysis

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Report Number: 316947-1

Date of Report: 26-Feb-2013

Customer: ERS,Environmental Reclamation Services Ltd
Westerhill Road
Bishopbriggs
Glasgow
G64 2QH

Customer Contact: Mr Andrew Biggerstaff

Customer Job Reference: 9935167
Customer Purchase Order: 1239-5-9935167
Customer Site Reference: Chapelton
Date Job Received at SAL: 13-Feb-2013
Date Analysis Started: 19-Feb-2013
Date Analysis Completed: 26-Feb-2013

The results reported relate to samples received in the laboratory
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation
This report should not be reproduced except in full without the written approval of the laboratory
Tests covered by this certificate were conducted in accordance with SAL SOPs
All results have been reviewed in accordance with QP22

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Report checked
and authorised by :
Miss Stephanie Green
Project Manager

Issued by :
Miss Stephanie Green
Project Manager

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SAL Reference: 316947
Project Site: Chapelton
Customer Reference: 9935167

Water Analysed as Water
Miscellaneous

SAL Reference	**316947 003**
Customer Sample Reference	**WBH06**
Date Sampled	**12-FEB-2013**

Determinand	Method	Test Sample	LOD	Units	
Sb (Total)	T301	AR	1	µg/l	<1
As (Total)	T301	AR	0.2	µg/l	**11**
Boron	T82	AR	100	µg/l	<100
Cd (Total)	T301	AR	0.02	µg/l	**1.7**
Cr (Total)	T301	AR	1	µg/l	**32**
Chromium (hexavalent)	T179	AR	0.03	mg/l	<0.03
Cu (Total)	T301	AR	0.5	µg/l	**83**
Pb (Total)	T301	AR	0.3	µg/l	**94**
Hg (Total)	T301	AR	0.05	µg/l	**0.21**
Ni (Total)	T301	AR	1	µg/l	**59**
Se (Total)	T301	AR	0.5	µg/l	**3.7**
SO4(Total)	T82	AR	10	mg/l	**37**
Zn (Total)	T301	AR	2	µg/l	**140**
Total Organic Carbon	T21	AR	1	mg/l	**160**
Total Phenols	T16	AR	0.5	µg/l	(13) <0.5
pH	T7	AR			**6.8**

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SAL Reference: 316947
Project Site: Chapelton
Customer Reference: 9935167

Water Analysed as Water
ERS PAH (USEPA 16)

SAL Reference	**316947 003**
Customer Sample Reference	**WBH06**
Date Sampled	**12-FEB-2013**

Determinand	Method	Test Sample	LOD	Units	
Naphthalene	T149	AR	0.01	µg/l	(13) <0.01
Acenaphthylene	T149	AR	0.01	µg/l	<0.01
Acenaphthene	T149	AR	0.01	µg/l	<0.01
Fluorene	T149	AR	0.01	µg/l	(13) <0.01
Phenanthrene	T149	AR	0.01	µg/l	**(13) 0.02**
Anthracene	T149	AR	0.01	µg/l	<0.01
Fluoranthene	T149	AR	0.01	µg/l	**(13) 0.04**
Pyrene	T149	AR	0.01	µg/l	**(13) 0.04**
Benzo(a)Anthracene	T149	AR	0.01	µg/l	**(13) 0.03**
Chrysene	T149	AR	0.01	µg/l	**(13) 0.03**
Benzo(b)fluoranthene	T149	AR	0.01	µg/l	<0.01
Benzo(k)fluoranthene	T149	AR	0.01	µg/l	<0.01
Benzo(a)Pyrene	T149	AR	0.01	µg/l	<0.01
Indeno(123-cd)Pyrene	T149	AR	0.01	µg/l	<0.01
Dibenzo(ah)Anthracene	T149	AR	0.01	µg/l	<0.01
Benzo(ghi)Perylene	T149	AR	0.01	µg/l	<0.01
PAH(total)	T149	AR	0.01	µg/l	**(13) 0.16**

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