Job Name:	41 HIGHGATE	Sample No:	U4
BH Number:	3	Depth (m):	18.0

SPECIMEN DETAILS (TEST #1)

description:	Firm grey brown clay	
(visual)	with pockets of brown sand	
preparation:	Undisturbed	
orientation within original sample:		Vertical
test started:	27/03/2009	

		TEST 1
INITIAL STAGE		
type of side drains:		Vertical
membrane thickness (mm):		0.3
particle density (Mg/m³):	assumed	2.7
voids ratio:		0.82
degree of saturation (%):		97.3

SATURATION STAGE

method:	increments of cell and back pressure
final pore water pressure (kPa):	393
final degree of saturation (%):	96.0

CONSOLIDATION STAGE

effective stress (kPa):	150
initial pore water pressure (kPa):	438
final pore water pressure (kPa):	300
pore pressure dissipation (%):	100.0

SHEAR STAGE

failure criterion:	maximum deviator stress (kPa)
cell pressure (kPa):	450
initial pore water pressure (kPa):	300
rate of strain (mm/min):	0.006
strain at failure (%):	10.11
volumetric strain (%):	3.57
eff. major principal stress (kPa):	428
eff. minor principal stress (kPa):	151
time to peak dev. stress (min):	1257

CONSOLIDATED DRAINED TRIAXIAL TEST
WITH VOLUME CHANGE MEASUREMENT

S·G·C

Surrey Geotechnical Consultants Limited

Job name: 41 HIGHGATE Sample No.:U4
BH Number: 3 Depth : 18.0 (m)

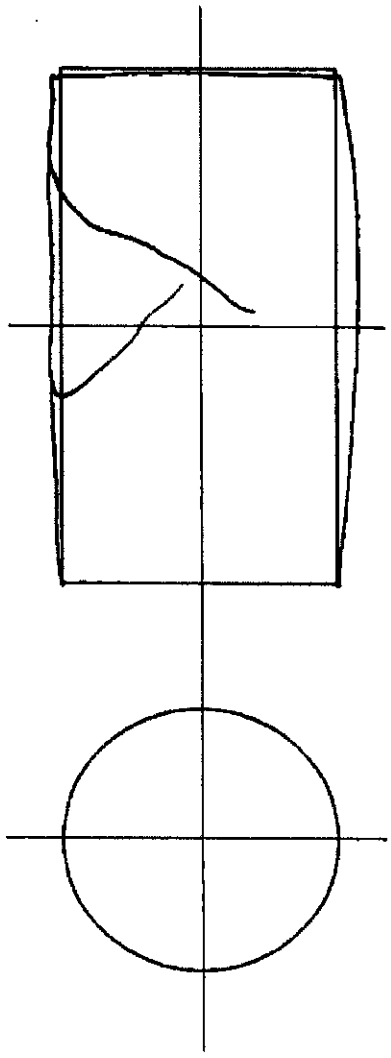
SPECIMEN DETAILS

Description : Firm grey brown clay
(visual) with pockets of brown sand
Specimen size: 76 mm high
38 mm diameter

Test No:

Elevation

Plan



FAILURE SKETCH

CONSOLIDATED DRAINED TRIAXIAL TEST
WITH VOLUME CHANGE MEASUREMENT

S·G·C
Soil Geotechnical Consultants Limited

Job Name: 41 HIGHGATE Sample No.: U4
BH Number: 3 Depth (m): 18.0

SPECIMEN DETAILS (TEST #1)

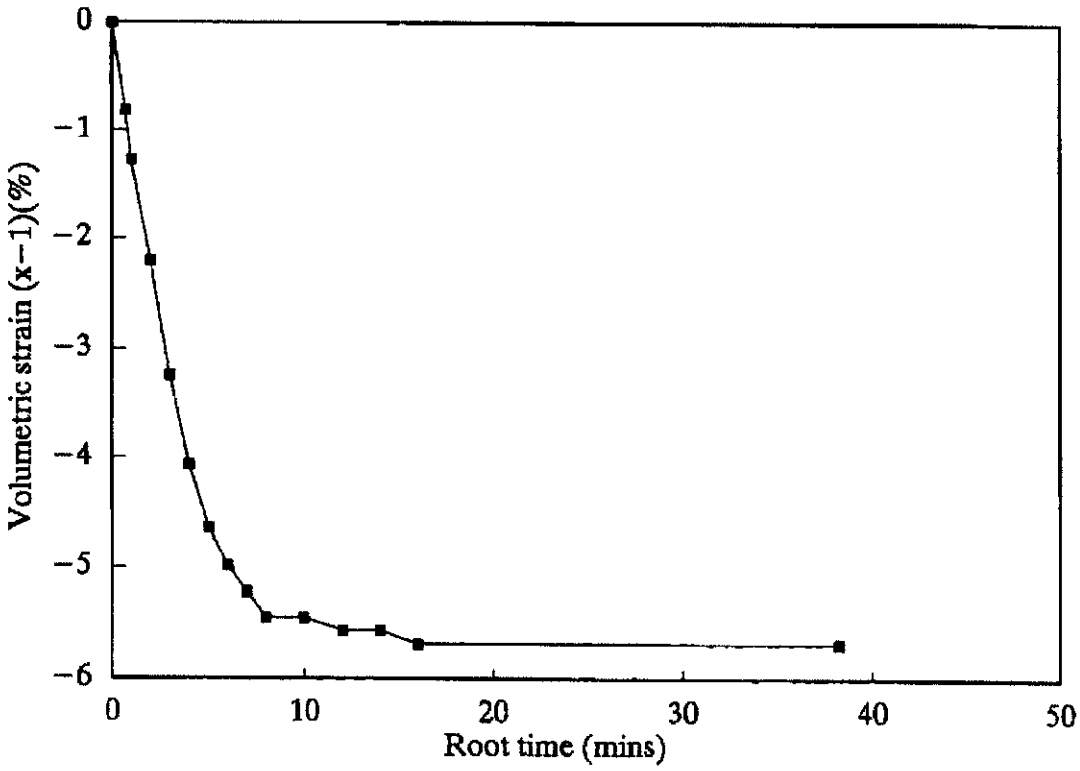
description: (visual)	Firm grey brown clay with pockets of brown sand	
initial and final m/c (%):	29	27
initial bulk density (Mg/cu.m):	1.92	
initial dry density (Mg/cu.m):	1.48	
height and diameter (mm):	76	38

SATURATION STAGE

cell and back pressure (kPa):	310	300
B value:	0.96	

CONSOLIDATION STAGE

cell and back pressure (kPa):	450	300
effective consolidation pressure (kPa):		150
base, side, top drainage	y y y	



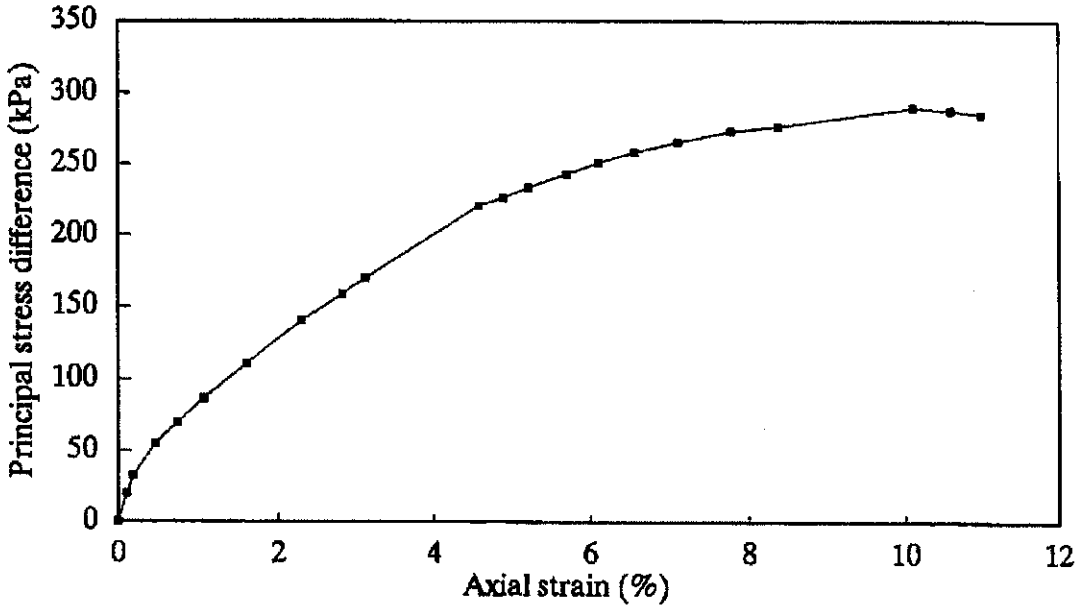
CONSOLIDATED DRAINED TRIAXIAL TEST
WITH VOLUME CHANGE MEASUREMENT

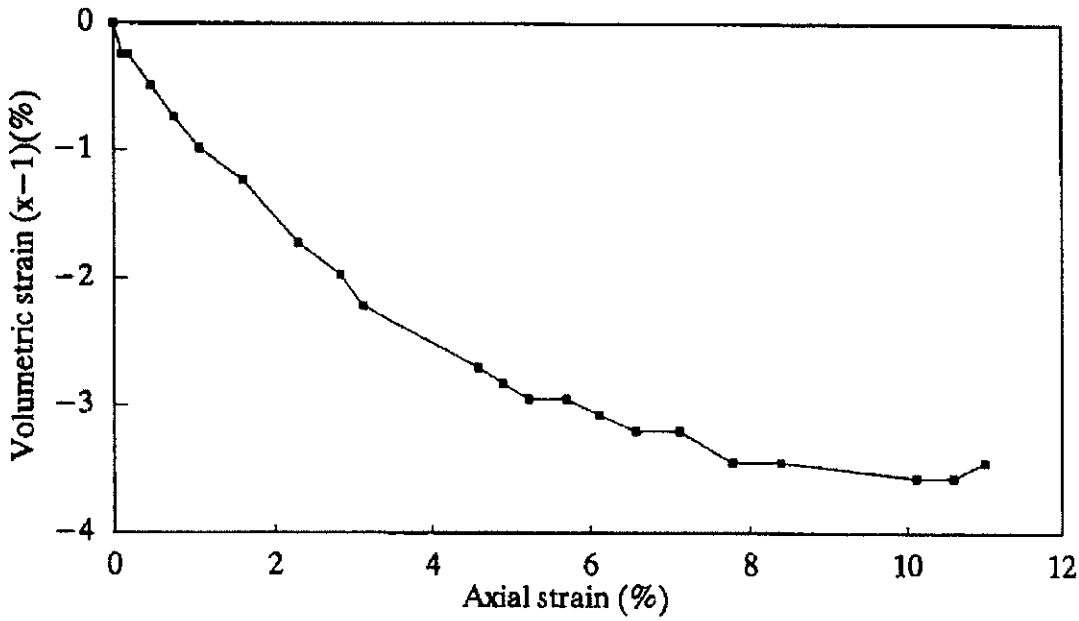
S·G·C
Surrey Geotechnical Consultants Limited

Job Name: 41 HIGHGATE Sample No.: U4
BH Number: 3 Depth (m): 18.0

SHEAR STAGE (TEST #1)

machine rate of strain (%/hr):	0.47
cell pressure (kPa):	450
measured max. deviator stress (kPa):	289
membrane + filter drain correction (kPa):	12.4
corrected max. deviator stress (kPa):	277
pore pressure at failure (kPa):	299





CONSOLIDATED DRAINED TRIAXIAL TEST
WITH VOLUME CHANGE MEASUREMENT

S·G·C
Stuart Geotechnical Consultants Limited

Job Name:	41 HIGHGATE	Sample No:	U4
BH Number:	3	Depth (m):	18.0

SPECIMEN DETAILS (TEST #2)

description: (visual)	Firm grey brown clay with pockets of brown sand
preparation:	Undisturbed
orientation within original sample:	Vertical
test started:	27/03/2009

		TEST 2
INITIAL STAGE		
type of side drains:		Vertical
membrane thickness (mm):		0.3
particle density (Mg/m^3):	assumed	2.7
voids ratio:		0.85
degree of saturation (%):		99.2

SATURATION STAGE

method:	increments of cell and back pressure
final pore water pressure (kPa):	397
final degree of saturation (%):	100.0

CONSOLIDATION STAGE

effective stress (kPa):	250
initial pore water pressure (kPa):	543
final pore water pressure (kPa):	300
pore pressure dissipation (%):	100.0

SHEAR STAGE

failure criterion:	maximum deviator stress (kPa)
cell pressure (kPa):	550
initial pore water pressure (kPa):	300
rate of strain (mm/min):	0.006
strain at failure (%):	10.72
volumetric strain at failure (%):	5.72
eff. major principal stress (kPa):	722
eff. minor principal stress (kPa):	250
time to peak dev. stress (min):	1300

CONSOLIDATED DRAINED TRIAXIAL TEST
WITH VOLUME CHANGE MEASUREMENT

S·G·C

Soares Geotechnical Consultants Limited

Job name: 41 HIGHGATE Sample No.:U4
BH Number: 3 Depth : 18.0 (m)

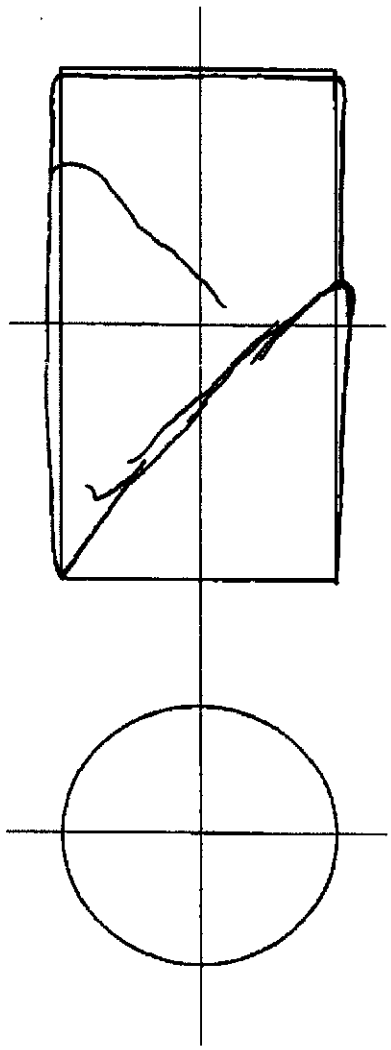
SPECIMEN DETAILS

Description : Firm grey brown clay
(visual) with pockets of brown sand
Specimen size: 76 mm high
38 mm diameter

Test No:

Elevation

Plan



FAILURE SKETCH

CONSOLIDATED DRAINED TRIAXIAL TEST
WITH VOLUME CHANGE MEASUREMENT

S·G·C
Surrey Geotechnical Consultants Limited

Job Name: 41 HIGHGATE Sample No.: U4
BH Number: 3 Depth (m): 18.0

SPECIMEN DETAILS (TEST #2)

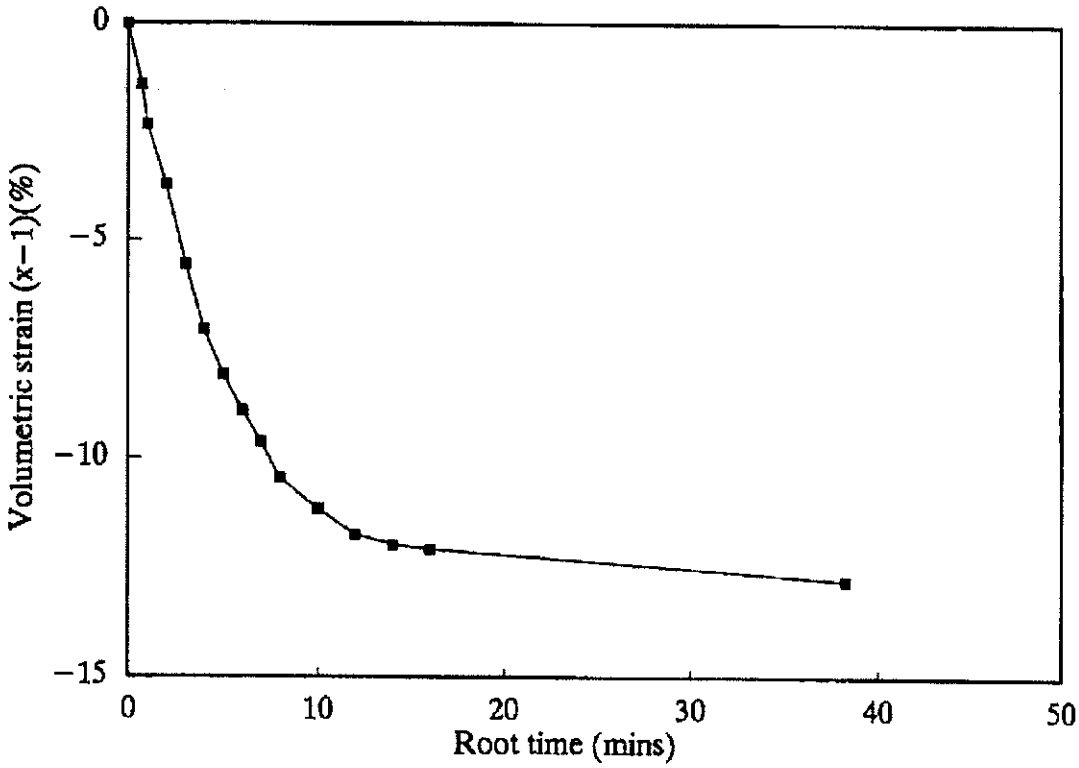
description: (visual)	Firm grey brown clay with pockets of brown sand	
initial and final m/c (%):	31	28
initial bulk density (Mg/cu.m):	1.92	
initial dry density (Mg/cu.m):	1.46	
height and diameter (mm):	76	38

SATURATION STAGE

cell and back pressure (kPa):	310	300
B value:	1	

CONSOLIDATION STAGE

cell and back pressure (kPa):	550	300
effective consolidation pressure (kPa):		250
base, side, top drainage	y y y	



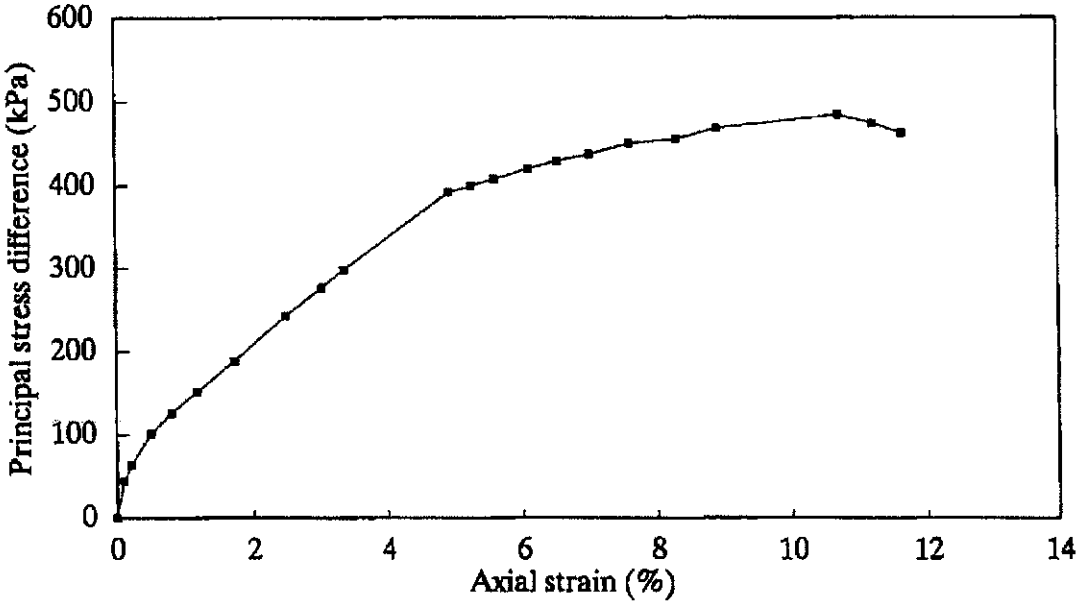
CONSOLIDATED DRAINED TRIAXIAL TEST
WITH VOLUME CHANGE MEASUREMENT

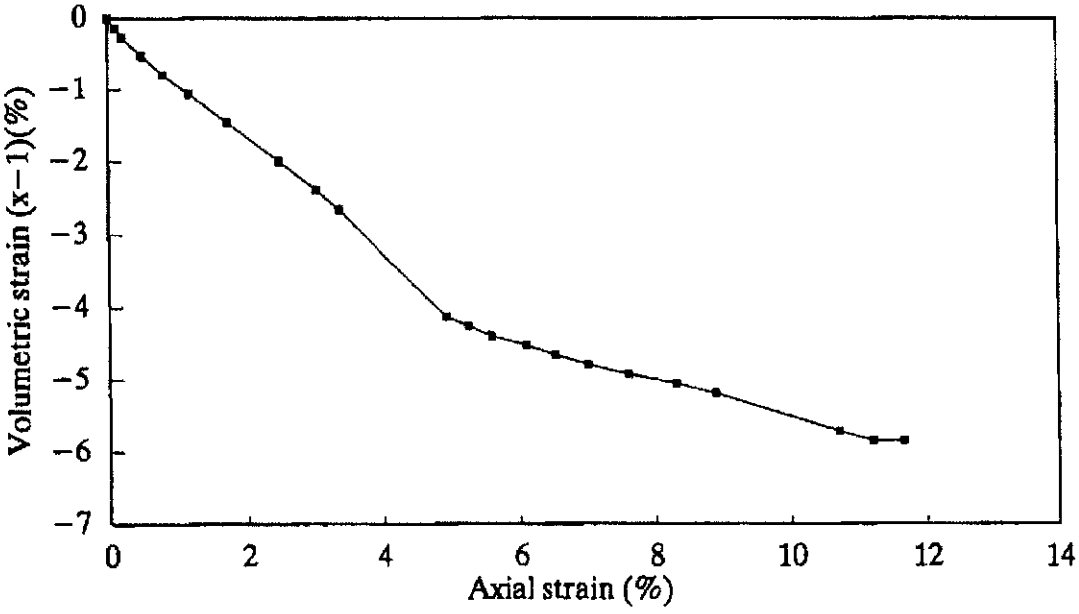
S·G·C
Surrey Geotechnical Consultants Limited

Job Name: 41 HIGHGATE Sample No.: U4
BH Number: 3 Depth (m): 18.0

SHEAR STAGE (TEST #2)

machine rate of strain (%/hr):	0.47
cell pressure (kPa):	550
measured max. deviator stress (kPa):	485
membrane + filter drain correction (kPa)	12.5
corrected max. deviator stress (kPa):	472
pore pressure at failure (kPa):	300





CONSOLIDATED DRAINED TRIAXIAL TEST
WITH VOLUME CHANGE MEASUREMENT

S·G·C
Soil Geotechnical Consultants Limited

Job Name:	41 HIGHGATE	Sample No:	U4
BH Number:	3	Depth (m):	18.0

SPECIMEN DETAILS (TEST #3)

description: (visual)	Firm grey brown clay with pockets of brown sand	
preparation:	Undisturbed	
orientation within original sample:		Vertical
test started:	27/03/2009	

		TEST 3
INITIAL STAGE		
type of side drains:		Vertical
membrane thickness (mm):		0.3
particle density (Mg/m^3):	assumed	2.7
voids ratio:		0.82
degree of saturation (%):		98.1

SATURATION STAGE

method:	increments of cell and back pressure	
final pore water pressure (kPa):		398
final degree of saturation (%):		97.0

CONSOLIDATION STAGE

effective stress (kPa):	350
initial pore water pressure (kPa):	635
final pore water pressure (kPa):	300
pore pressure dissipation (%):	100.0

SHEAR STAGE

failure criterion:	maximum deviator stress (kPa)	
cell pressure (kPa):		650
initial pore water pressure (kPa):		300
rate of strain (mm/min):		0.006
strain at failure (%):		10.51
volumetric strain at failure (%):		2.93
eff. major principal stress (kPa):		810
eff. minor principal stress (kPa):		350
time to peak dev. stress (min):		1292

CONSOLIDATED DRAINED TRIAXIAL TEST
WITH VOLUME CHANGE MEASUREMENT

S·G·C

Surrey Geotechnical Consultants Limited

Job name: 41 HIGHGATE Sample No.:U4
BH Number: 3 Depth : 18.0 (m)

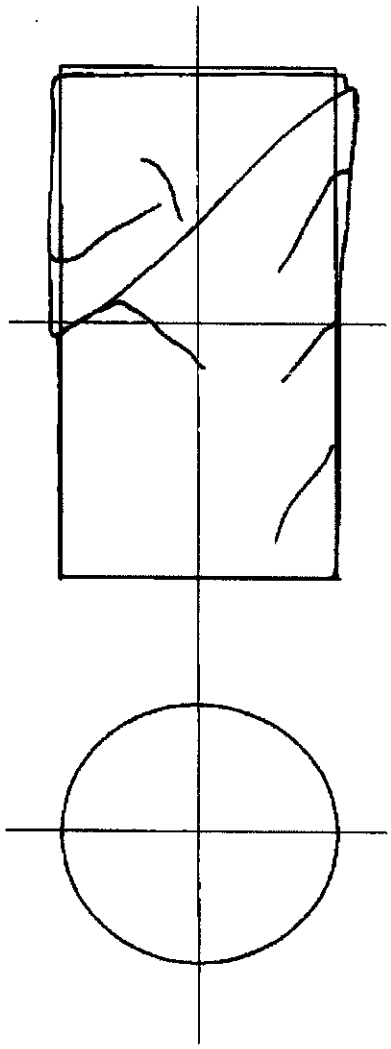
SPECIMEN DETAILS

Description : Firm grey brown clay
(visual) with pockets of brown sand
Specimen size: 76 mm high
38 mm diameter

Test No:

Elevation

Plan



FAILURE SKETCH

CONSOLIDATED DRAINED TRIAXIAL TEST
WITH VOLUME CHANGE MEASUREMENT

S·G·C
Surrey Geotechnical Consultants Limited

Job Name: 41 HIGHGATE Sample No.: U4
BH Number: 3 Depth (m): 18.0

SPECIMEN DETAILS (TEST #3)

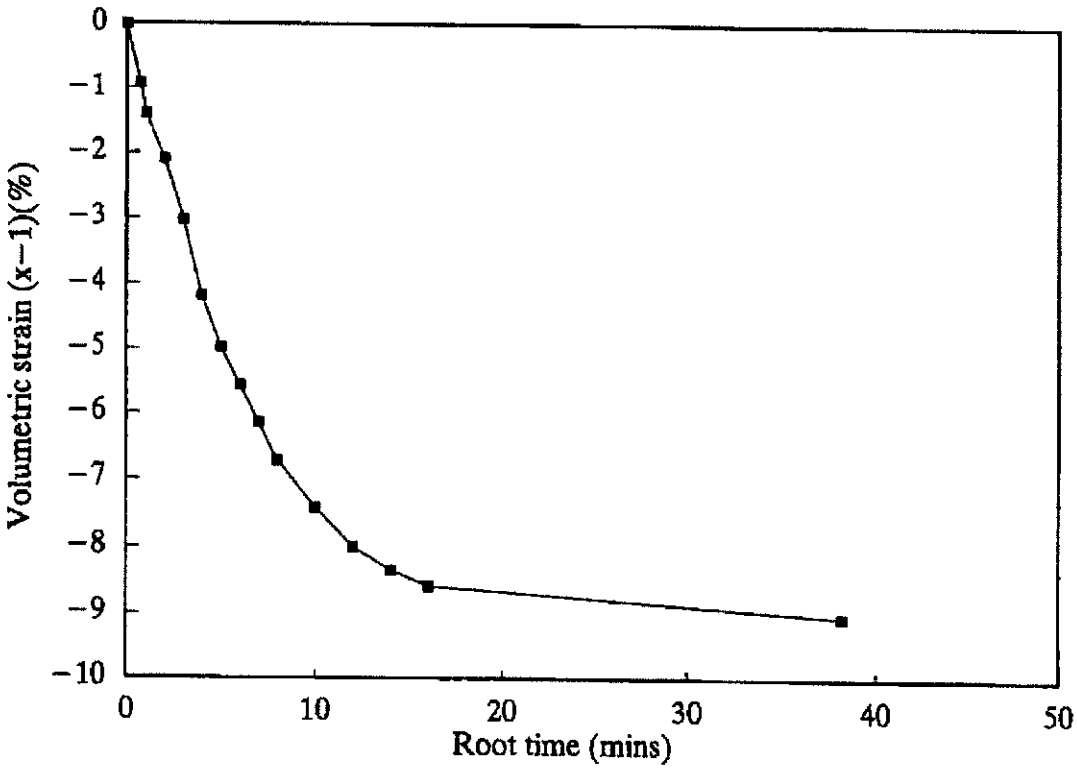
description: (visual)	Firm grey brown clay with pockets of brown sand	
initial and final m/c (%):	30	26
initial bulk density (Mg/cu.m):	1.92	
initial dry density (Mg/cu.m):	1.48	
height and diameter (mm):	76	38

SATURATION STAGE

cell and back pressure (kPa):	310	300
B value:	0.97	

CONSOLIDATION STAGE

cell and back pressure (kPa):	650	300
effective consolidation pressure (kPa):		350
base, side, top drainage	y y y	



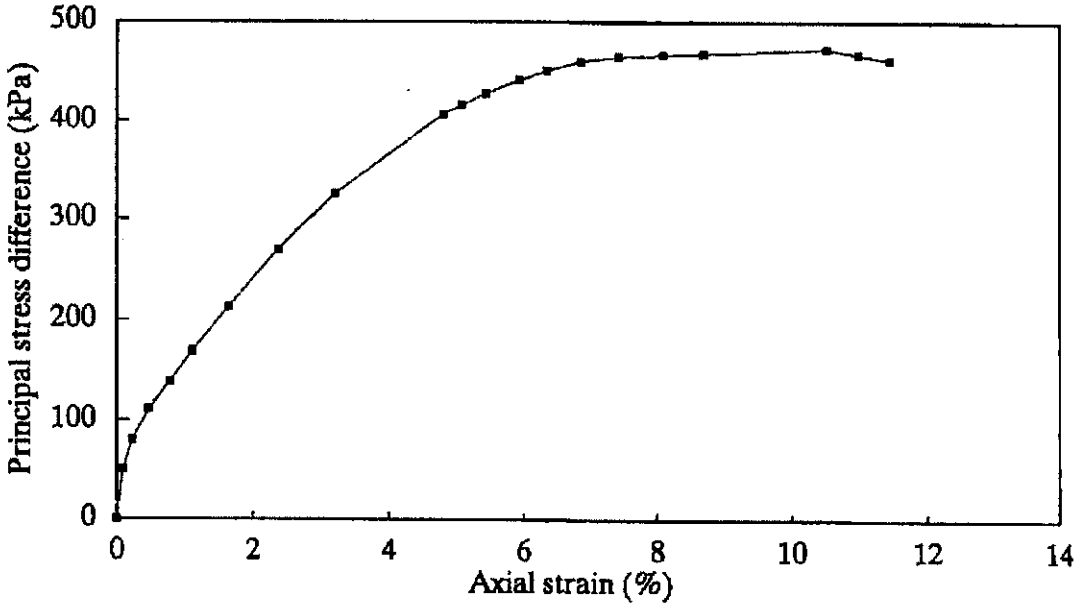
CONSOLIDATED DRAINED TRIAXIAL TEST
WITH VOLUME CHANGE MEASUREMENT

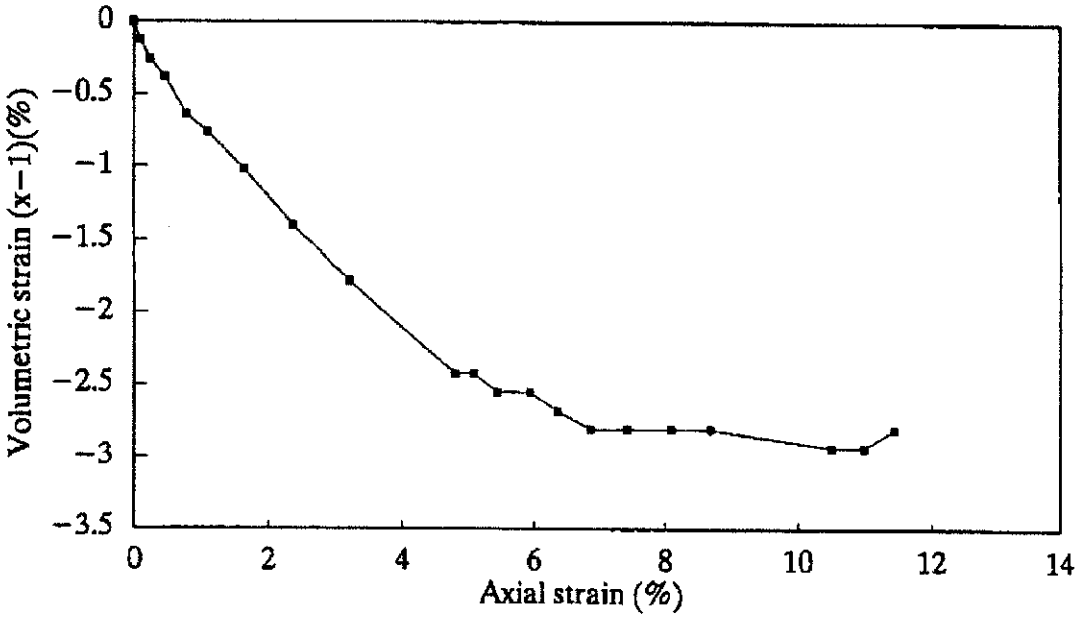
S·G·C
Surrey Geotechnical Consultants Limited

Job Name: 41 HIGHGATE Sample No.: U4
BH Number: 3 Depth (m): 18.0

SHEAR STAGE (TEST #3)

machine rate of strain (%/hr):	0.47
cell pressure (kPa):	650
measured max. deviator stress (kPa):	473
membrane + filter drain correction (kPa)	12.5
corrected max. deviator stress (kPa):	460
pore pressure at failure (kPa):	300



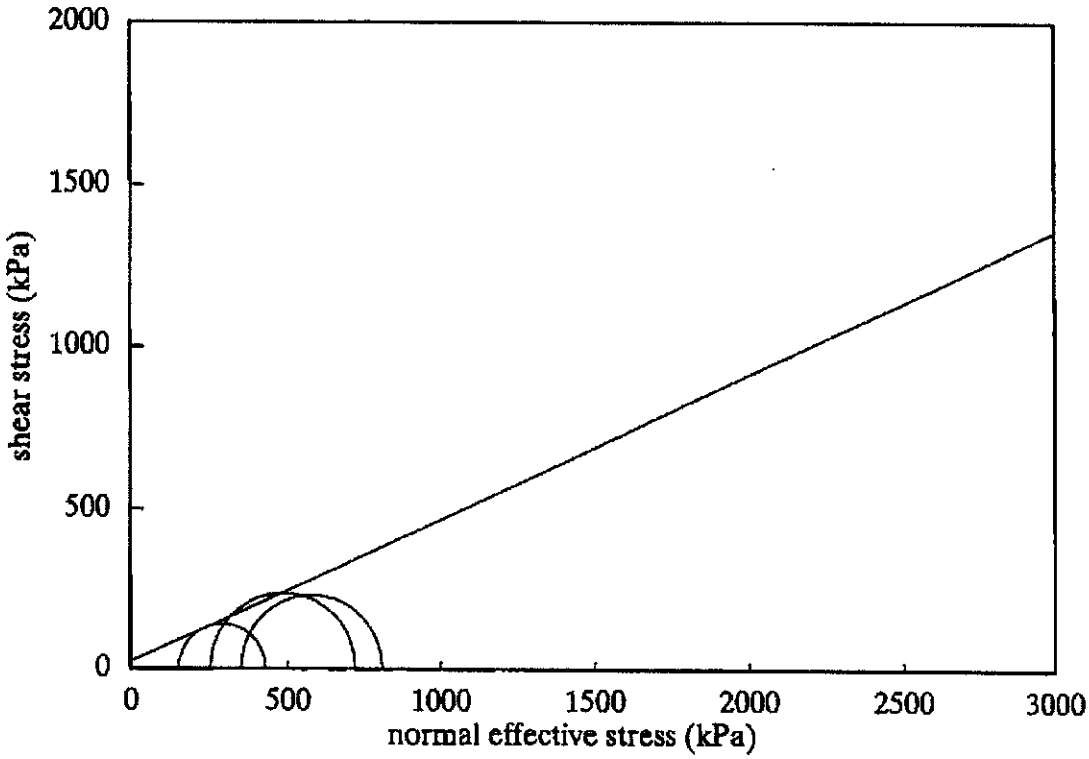


CONSOLIDATED DRAINED TRIAXIAL TEST
WITH VOLUME CHANGE MEASUREMENT

S·G·C
Surrey Geotechnical Consultants Limited

Job Name: 41 HIGHGATE
BH Number: 3

Sample No.: U4
Depth (m): 18.0



SUMMARY
At maximum principal stress difference:

	#1	#2	#3
cell pressure (kPa)	450	550	650
deviator stress (kPa)	277	472	460
pore pressure (kPa)	299	300	300

Effective strength parameters:

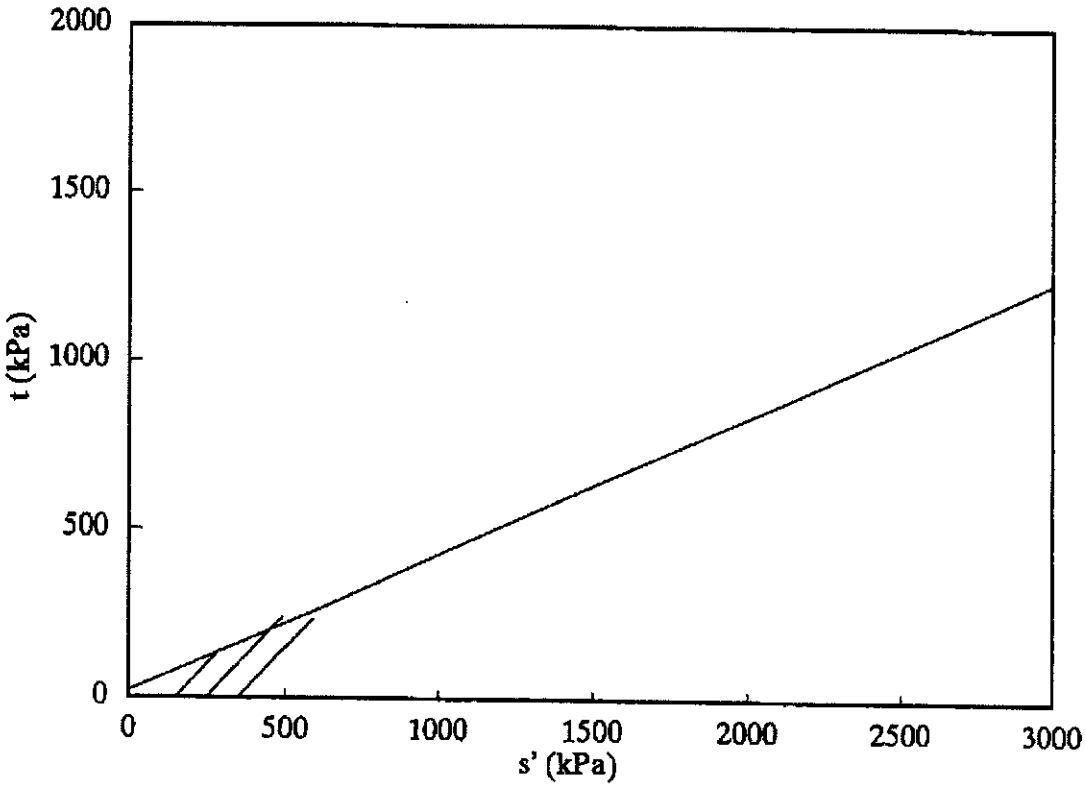
effective cohesion intercept (kPa)	22.0
effective angle of friction (degrees)	24.0

CONSOLIDATED DRAINED TRIAXIAL TEST
WITH VOLUME CHANGE MEASUREMENT

S·G·C
Surrey Geotechnical Consultants Limited

Job Name: 41 HIGHGATE
BH Number: 3

Sample No.: U4
Depth (m): 18.0



NOTES ON STRESS PATH PLOTS

1. No membrane or filter drain corrections made to stress path plots

2. Effective stress paths assume full pore water pressure equalization at all times after the start of shear. This assumption is incorrect. The rate of shearing has been estimated to give 95% equalization only at failure.

CONSOLIDATED DRAINED TRIAXIAL TEST
WITH VOLUME CHANGE MEASUREMENT

S·G·C
Soil Geotechnical Consultants Limited

APPENDIX 6

CHEMICAL LABORATORY TEST RESULTS

Chemtest
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070

Ground Engineering
Newark Road
Peterborough

PE1 5UA

FAO Steve Fleming
26 February 2009

Dear Steve Fleming

Test Report Number **75534**
Your Project Reference **Witanhurst, 41 Highgate West Hill, London N6**

Please find enclosed the results of analysis for the samples received 18 February 2009.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely

KTJones

Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☑ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director

UKAS TESTING
2183

Notes to accompany report:

- *The sign < means 'less than'*
- *Tests marked 'U' hold UKAS accreditation*
- *Tests marked 'M' hold MCerlS (and UKAS) accreditation*
- *Tests marked 'N' do not currently hold UKAS accreditation*
- *Tests marked 'S' were subcontracted to an approved laboratory*
- *n/e means 'not evaluated'*
- *i/s means 'insufficient sample'*
- *u/s means 'unsuitable sample'*
- *Comments or interpretations are beyond the scope of UKAS accreditation*
- *The results relate only to the items tested*

Ground Engineering
Newark Road
Peterborough

PE1 5UA

FAO Steve Fleming

LABORATORY TEST REPORT

Results of analysis of 6 samples received 18 February 2009

Witanhurst, 41 Highgate West Hill, London N6

Chemtest

Report Date
26 February 2009

Login Batch No					75534						
[redacted]					AD82361	AD82362	AD82363	AD82364	AD82365	AD82366
Sample ID					BH1	BH2	BH3	BH3	TP1	TP2
Sample No					D1	D1	B1	B2	D1	D1
Depth					0.1m	0.1m	0m - 0.7m	0.7m - 1.2m	0.2m	0.2m
Matrix					*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*
SOP↓	Determinand↓	CAS No↓	Units↓							
2120	Boron (hot water soluble)	7440428	mg kg^{-1}	U	1.2	0.5	1.1	0.6	0.5	1
	Sulfate (2:1 water soluble)	14808798	g l^{-1}	M	0.14	0.05	0.02	0.01	0.18	0.44
2300	Cyanide (free)	57125	mg kg^{-1}	M	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	Cyanide (total)	57125	mg kg^{-1}	M	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2325	Sulfide	18496258	mg kg^{-1}	N	6.9	270.0	5.4	110.0	< 0.5	230.0
2450	Arsenic	7440382	mg kg^{-1}	M	13	15	28	11	18	19
	Cadmium	7440439	mg kg^{-1}	M	0.15	0.19	0.42	<0.1	0.20	0.18
	Chromium	7440473	mg kg^{-1}	M	30	28	27	26	26	32
	Copper	7440508	mg kg^{-1}	M	25	35	94	32	26	31
	Mercury	7439976	mg kg^{-1}	M	0.84	0.32	3.4	1.9	<0.1	0.15
	Nickel	7440020	mg kg^{-1}	M	19	26	23	11	22	31
	Lead	7439921	mg kg^{-1}	M	170	220	1200	210	70	290
	Selenium	7782492	mg kg^{-1}	M	<0.2	<0.2	0.27	<0.2	0.27	<0.2
	Zinc	7440666	mg kg^{-1}	M	70	100	230	59	42	91
2490	Chromium (hexavalent)	18540299	mg kg^{-1}	N	< 5	< 5	< 5	< 5	< 5	< 5
2625	Organic matter		%	M	3.8	8.4	9.0	1.5	15	10
2700	Naphthalene	91203	mg kg^{-1}	M	0.4	0.6	0.3	0.1	0.1	0.3
	Acenaphthylene	208968	mg kg^{-1}	M	0.4	0.5	<0.1	0.1	3.4	0.4
	Acenaphthene	83329	mg kg^{-1}	M	0.4	0.3	0.1	0.4	0.4	0.9
	Fluorene	86737	mg kg^{-1}	M	0.5	0.3	<0.1	<0.1	0.4	0.4
	Phenanthrene	85018	mg kg^{-1}	M	15	7.8	0.5	0.2	5.9	15
	Anthracene	120127	mg kg^{-1}	M	1.8	1.9	<0.1	<0.1	5.7	3.6
	Fluoranthene	206440	mg kg^{-1}	M	25	13	0.9	0.3	33	26
	Pyrene	129000	mg kg^{-1}	M	17	12	0.7	<0.1	35	22
	Benzo[a]anthracene	56553	mg kg^{-1}	M	9.2	7.5	0.4	0.1	18	11
	Chrysene	218019	mg kg^{-1}	M	11	9.6	0.6	0.1	20	13
	Benzo[b]fluoranthene	205992	mg kg^{-1}	M	13	12	0.7	0.1	39	17
	Benzo[k]fluoranthene	207089	mg kg^{-1}	M	7.2	8.1	0.4	<0.1	32	8.3
	Benzo[a]pyrene	50328	mg kg^{-1}	M	9.8	12	0.6	<0.1	49	14
	Dibenzo[a,h]anthracene	53703	mg kg^{-1}	M	<0.1	2.7	0.3	<0.1	11	2.5
	Indeno[1,2,3-cd]pyrene	193395	mg kg^{-1}	M	8.5	9.6	0.4	<0.1	42	10

All tests undertaken between 19-Feb-2009 and 23-Feb-2009

' Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Ground Engineering
Newark Road
Peterborough

PE1 5UA

FAO Steve Fleming

LABORATORY TEST REPORT

Results of analysis of 6 samples
received 18 February 2009

Witanhurst, 41 Highgate West Hill, London N6

Chemtest

Report Date
26 February 2009

					75534					
					AD82361	[illegible]	AD82363	[illegible]	[illegible]	[illegible]
					BH1	BH2	BH3	BH3	TP1	TP2
					D1	D1	B1	B2	D1	D1
					0.1m	0.1m	0m - 0.7m	0.7m - 1.2m	0.2m	0.2m
					SOIL	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*
2700	Benzo[g,h,i]perylene	191242	mg kg^{-1}	M	6.8	8.7	0.4	<0.1	41	9.1
	Total (of 16) PAHs		mg kg^{-1}	M	130	110	6.2	<2	340	150
2920	Phenols (total)		mg kg^{-1}	N	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
2010	pH		-	M	8.4	10.2	7.4	7.6	10.4	10.8

All tests undertaken between 19-Feb-2009 and 23-Feb-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Chemtest

Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070

Ground Engineering
Newark Road
Peterborough

PE1 5UA

FAO Steve Fleming
03 March 2009

Dear Steve Fleming

Test Report Number **75535**
Your Project Reference **Witanhurst, 41 Highgate West Hill, London N6**

Please find enclosed the results of analysis for the samples received 18 February 2009.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely

Authorised Signatory

☑ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☐ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director

UKAS TESTING
2183

Notes to accompany report:

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- *Tests marked 'M' hold MCertS (and UKAS) accreditation*
- *Tests marked 'N' do not currently hold UKAS accreditation*
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- *n/e means 'not evaluated'*
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- *u/s means 'unsuitable sample'*
- *Comments or interpretations are beyond the scope of UKAS accreditation*
- *The results relate only to the items tested*

Chemtest

LABORATORY TEST REPORT

Waste Acceptance Criteria BS EN 12457 Part 3 2 Stage

Ground Engineering
Newark Road
Peterborough

PE1 5UA
FAO Steve Fleming

Results of analysis of 1 sample
received 18 February 2009
Witanhurst, 41 Highgate West Hill, London N6

Report Date
03 March 2009

Login Batch No								75535
Chemtest LIMS ID					Limit values			AD82368
Sample ID					Inert waste landfill	Stable non-reactive hazardous waste in non-hazardous landfill	Hazardous waste landfill	TP3
Sample No								D1
Depth								0.3
Matrix								*LEACHATE*
Determinand↓	SOP↓	*	CAS No↓	Units↓				
As (arsenic) L/S=2	1450	N	7440382	mg kg-1				<0.05
Ba (barium) L/S=2	1450	N	7440393	mg kg-1				<0.5
Cd (cadmium) L/S=2	1450	N	7440439	mg kg-1				<0.01
Cr (chromium) L/S=2	1450	N	7440473	mg kg-1				<0.05
Cu (copper) L/S=2	1450	N	7440508	mg kg-1				<0.05
Hg (mercury) L/S=2	1450	N	7439976	mg kg-1				<0.005
Mo (molybdenum) L/S=2	1450	N	7439987	mg kg-1				<0.05
Ni (nickel) L/S=2	1450	N	7440020	mg kg-1				<0.05
Pb (lead) L/S=2	1450	N	7439921	mg kg-1				<0.05
Sb (antimony) L/S=2	1450	N	7440360	mg kg-1				<0.01
Se (selenium) L/S=2	1450	N	7782492	mg kg-1				<0.01
Zn (zinc) L/S=2	1450	N	7440666	mg kg-1				<0.5
Cl (chloride) L/S=2	1220	U	16887006	mg kg-1				8.6
F (fluoride) L/S=2	1220	U	16984488	mg kg-1				<1
SO4 (sulfate) L/S=2	1220	U	14808798	mg kg-1				26
Total Dissolved Solids L/S=2	1610	N	TDS	mg kg-1				360
Phenol index L/S=2	1920	N	108952	mg kg-1				<0.5
Dissolved Organic Carbon L/S=2	1610	N	DOC	mg kg-1				<50
As (arsenic) L/S=10	1450	N	7440382	mg kg-1	0.5	2	25	<0.05
Ba (barium) L/S=10	1450	N	7440393	mg kg-1	20	100	300	<0.5
Cd (cadmium) L/S=10	1450	N	7440439	mg kg-1	0.04	1	5	<0.01
Cr (chromium) L/S=10	1450	N	7440473	mg kg-1	0.5	10	70	0.1
Cu (copper) L/S=10	1450	N	7440508	mg kg-1	2	50	100	<0.05
Hg (mercury) L/S=10	1450	N	7439976	mg kg-1	0.01	0.2	2	<0.005
Mo (molybdenum) L/S=10	1450	N	7439987	mg kg-1	0.5	10	30	<0.05
Ni (nickel) L/S=10	1450	N	7440020	mg kg-1	0.4	10	40	0.05
Pb (lead) L/S=10	1450	N	7439921	mg kg-1	0.5	10	50	0.16
Sb (antimony) L/S=10	1450	N	7440360	mg kg-1	0.06	0.7	5	<0.01
Se (selenium) L/S=10	1450	N	7782492	mg kg-1	0.1	0.5	7	<0.01
Zn (zinc) L/S=10	1450	N	7440666	mg kg-1	4	50	200	<0.5
Cl (chloride) L/S=10	1220	U	16887006	mg kg-1	800	15000	25000	10.1
F (fluoride) L/S=10	1220	U	16984488	mg kg-1	10	150	500	2.99
SO4 (sulfate) L/S=10	1220	U	14808798	mg kg-1	1000	20000	50000	17.1
Total Dissolved Solids L/S=10	1610	N	TDS	mg kg-1	4000	60000	100000	946
Phenol index L/S=10	1920	N	108952	mg kg-1	1			<0.5
Dissolved Organic Carbon L/S=10	1610	N	DOC	mg kg-1	500	800	1000	154

All tests undertaken between 20-Feb-2009 and 3-Mar-2009

* Accreditation status

Chemtest

LABORATORY TEST REPORT

Waste Acceptance Criteria Waste Parameters

Ground Engineering
Newark Road
Peterborough

PE1 5UA
FAO Steve Fleming

Results of analysis of 1 sample
received 18 February 2009
Witanhurst, 41 Highgate West Hill, London N6

Report Date
03 March 2009

Login Batch No								75535
Chemtest LIMS ID						Limit values		AD82367
Sample ID					Inert waste landfill	Stable non-reactive hazardous waste in non-hazardous landfill	Hazardous waste landfill	TP3
Sample No								D1
Depth								0.3
Matrix								*SOIL*
Determinand↓	SOP↓	*	CAS No↓	Units↓				
Total Organic Carbon	2625	M		%	3	5	6	4.6
Loss on ignition	2610	N		%			10	6.25
Benzene	2760	M	71432	µg kg^{-1}				<1
Toluene	2760	M	108883	µg kg^{-1}				<1
Ethyl benzene	2760	M	100414	µg kg^{-1}				<1
m- & p-Xylene	2760	M	1330207	µg kg^{-1}				<1
o-Xylene	2760	M	95476	µg kg^{-1}				<1
Total BTEX	2761	M		mg kg^{-1}	6			<0.005
PCB 28	2810	N	7012375	mg kg^{-1}				<0.1
PCB 52	2810	N	35693993	mg kg^{-1}				<0.1
PCB 101	2810	N	37680732	mg kg^{-1}				<0.1
PCB 118	2810	N	31508006	mg kg^{-1}				<0.1
PCB 138	2810	N	35065282	mg kg^{-1}				<0.1
PCB 153	2810	N	35065271	mg kg^{-1}				<0.1
PCB 180	2810	N	35065293	mg kg^{-1}				<0.1
Total PCBs (7 congeners)	2811	N		mg kg^{-1}	1			<1
Naphthalene	2700	M	91203	mg kg^{-1}				0.6
Acenaphthylene	2700	M	208968	mg kg^{-1}				0.1
Acenaphthene	2700	M	83329	mg kg^{-1}				0.2
Fluorene	2700	M	86737	mg kg^{-1}				0.1
Phenanthrene	2700	M	85018	mg kg^{-1}				0.8
Anthracene	2700	M	120127	mg kg^{-1}				0.2
Fluoranthene	2700	M	206440	mg kg^{-1}				1.7
Pyrene	2700	M	129000	mg kg^{-1}				1.4
Benzo[a]anthracene	2700	M	56553	mg kg^{-1}				0.8
Chrysene	2700	M	218019	mg kg^{-1}				1
Benzo[b]fluoranthene	2700	M	205992	mg kg^{-1}				0.5
Benzo[k]fluoranthene	2700	M	207089	mg kg^{-1}				<0.1
Benzo[a]pyrene	2700	M	50328	mg kg^{-1}				0.7
Dibenzo[a,h]anthracene	2700	M	53703	mg kg^{-1}				0.2
Indeno[1,2,3-cd]pyrene	2700	M	193395	mg kg^{-1}				<0.1
Benzo[g,h,i]perylene	2700	M	191242	mg kg^{-1}				<0.1
Coronene	2700	N	191071	mg kg^{-1}				<0.1
Total (of 17) PAHs	2700	N		mg kg^{-1}	100			8.3
pH	2010	M		-		>6		7.5
Acid Neutralisation Capacity	1015	N	ANC	mol kg^{-1}		To evaluate	To evaluate	0.014
TPH Total WAC	2670	N		mg kg^{-1}	500			28

All tests undertaken between 20-Feb-2009 and 3-Mar-2009

* Accreditation status

Column page 1

Report sample ID range AD82367 to AD82368

This report should be interpreted in conjunction with the notes on the accompanying cover page