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DESCRIPTION	LEGEND	DEPTH (m)	WATER STRIKE	TEST RESULTS		SAMPLING		
				TYPE/ DEPTH (m)	RESULT	FROM (m)	TO (m)	TYPE
Brown clayey gravelly SAND. Gravel consists of brick, flint and concrete. MADE GROUND						0.20		D
						0.30		J
						0.30		ES
						0.40		D
		0.50						
Low to medium strength orange brown slightly gravelly sandy CLAY. Gravel consists of flint. RIVER TERRACE				PP 0.60	50			
				PP 0.90	50			
						1.00		D
				PP 1.20	63			
				PP 1.40	50			
		1.60						
Medium dense becoming dense orange brown and grey slightly clayey SAND and GRAVEL. Gravel consists of flint. RIVER TERRACE								
						2.10		D
TRIAL PIT TERMINATED AT 2.90m		2.90						

Notes: Trial pit sides remained upright and stable upon completion.

Ground level (mAOD)

Co-ordinates
456240, 101420

Title
Trial pit record

Surface breaking
No

Groundwater observations
No groundwater encountered.

Dimensions (W x L)
0.60m x 1.50m

Date of excavation (range if applicable)
31/03/2015

Appendix
C

Method of excavation
Tracked excavator

Location plan on drawing number
02

TP20

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Key to legends

Composite materials, Soils and Lithology

Topsoil	Made Ground	Boulders
Chalk	Clay	Coal
Cobbles	Cobbles & Boulders	Concrete
Gravel	Limestone	Mudstone
Peat	Sand	Sand and Gravel
Sandstone	Silt	Silt / Clay
Siltstone		

Note: Composite soil types are signified by combined symbols.

Key to 'test result' and 'sampling' columns

Test result	
Depth	Records depth that the test was carried out *(ie at 2.1m or between 2.1 and 2.55m)* [1]
Result	PP – Pocket penetrometer result (kN/m^2) HVP – Hand held shear vane result (kN/m^2) *PP result converted to an equivalent undrained shear strength by applying a factor of 50. Where at least 3 results obtained at same depth then an average value may be reported.*
	SPT – Standard penetration test result (uncorrected) *CPT - Cone penetration test result (uncorrected)*

Sampling		
From (m) To (m)	Records depth of sampling	
Type	D	Disturbed sample
	B	Bulk disturbed sample
	J	Disturbed sample placed in sealed amber jar
	W	Water sample
	U (32)	Undisturbed sample 100mm diameter sampler with number of blows of driving equipment required to obtain sample

Note [1]: Carried out on undisturbed samples.

Water observations

Described at foot of log and shown in the 'water strike' column.

▼ = water level observed after specified delay in drilling

▽ = water strike

Standpipe details

Gravel filter

Arisings

Bentonite

Slotted pipe

Unslotted pipe

Density

Density recorded in brackets inferred from density testing and soil descriptions from across the site (e.g. [Medium dense]).

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WELL	DESCRIPTION	LEGEND	DEPTH (m)	WATER STRIKE	TEST RESULTS		SAMPLING		
					TYPE/ DEPTH (m)	RESULT	FROM (m)	TO (m)	TYPE
	Grass onto dark brown sandy very silty CLAY with many rootlets. MADE GROUND						0.20		ES
	Medium strength brown slightly sandy very silty CLAY with occasional rootlets and occasional gravel sized pockets of ash. MADE GROUND		0.30		PP 0.50	63	0.50		D
	. . from 0.8m depth, becoming mottled orange brown in colour.				PP 0.80	79			
	High strength grey brown mottled orange brown slightly gravelly sandy CLAY. Gravel consists of sub-angular to sub-rounded flint. RIVER TERRACE		1.10		PP 1.20	92	1.30		D
					PP 1.50	100			
	Very dense brown very clayey SAND and GRAVEL. Sand is coarse. Gravel consists of angular flint and sub-angular to angular quartzite. RIVER TERRACE		1.80				1.80	2.00	B
	BOREHOLE TERMINATED AT 2.15m		2.15						

Notes: Borehole sides remained upright and stable upon completion. Standpipe installed to 2m depth. For Dynamic Cone Penetration testing, refer to DCP01.

Ground level (mAOD)

Co-ordinates
456130, 101535

Title
Driven tube sampler borehole record

Surface breaking
No

Groundwater observations
No groundwater encountered.

Date of excavation (range if applicable)
30/03/2015

Appendix
D

Location plan on drawing number
02

DTS01

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WELL	DESCRIPTION	LEGEND	DEPTH (m)	WATER STRIKE	TEST RESULTS		SAMPLING		
					TYPE/ DEPTH (m)	RESULT	FROM (m)	TO (m)	TYPE
	Vegetation onto low strength dark brown gravelly very silty CLAY with many rootlets. Gravel consists of flint, brick and crushed concrete. MADE GROUND						0.20		ES
	Dense red brown slightly sandy very clayey GRAVEL. Gravel consists of angular flint. RIVER TERRACE		0.25				0.50		D
	High strength grey brown mottled orange brown slightly gravelly sandy CLAY. Gravel consists of sub-angular to sub-rounded flint. RIVER TERRACE		0.65		PP 0.70	88	0.80		D
					PP 0.90	88			
					PP 1.10	92			
	High strength orange brown slightly gravelly very sandy CLAY. Gravel consists of sub-angular to sub-rounded quartzite. RIVER TERRACE		1.30		PP 1.40	100	1.40		D
	Medium dense orange brown slightly clayey SAND and GRAVEL. Sand is medium to coarse. Gravel consists of angular flint and quartzite. RIVER TERRACE		1.50				1.50	2.00	B
	BOREHOLE TERMINATED AT 2.00m		2.00						

Notes: Borehole sides remained upright and stable upon completion. Standpipe installed to 2m depth. For Dynamic Cone Penetration testing, refer to DCP02.

Ground level (mAOD)

Co-ordinates
456191, 101437

Title
Driven tube sampler borehole record

Surface breaking
No

Groundwater observations
No groundwater encountered.

Date of excavation (range if applicable)
30/03/2015

Appendix
D

Location plan on drawing number
02

DTS02

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WELL	DESCRIPTION	LEGEND	DEPTH (m)	WATER STRIKE	TEST RESULTS		SAMPLING		
					TYPE/ DEPTH (m)	RESULT	FROM (m)	TO (m)	TYPE
	Grass onto low strength dark brown slightly sandy slightly gravelly very silty CLAY with many rootlets. Gravel consists of sub-angular flint and brick fragments MADE GROUND		0.20				0.20		ES
	Medium strength light brown slightly gravelly very silty CLAY with occasional gravels of charcoal and many rootlets. Gravel consists of angular flint. RIVER TERRACE				PP 0.40	38	0.50		D
					PP 0.60	67			
	High strength grey mottled orange brown slightly sandy silty gravelly CLAY with occasional rootlets. Gravel consists of sub-angular flint and quartzite. RIVER TERRACE		0.70		PP 0.80	92	0.90		D
					PP 1.10	113	1.20		D
					PP 1.30	125			
	Medium dense becoming dense and very dense orange brown slightly clayey SAND and GRAVEL. Sand is medium to coarse. Gravel consists of sub-angular to angular flint and quartzite. RIVER TERRACE		1.50				1.50	2.00	B
	BOREHOLE TERMINATED AT 2.00m		2.00						

Notes: Borehole sides remained upright and stable upon completion. Standpipe installed to 2m depth. For Dynamic Cone Penetration testing, refer to DCP03.

Ground level (mAOD)

Co-ordinates
456234, 101524

Title
Driven tube sampler borehole record

Surface breaking
No

Groundwater observations
No groundwater encountered.

Date of excavation (range if applicable)
30/03/2015

Appendix
D

Location plan on drawing number
02

DTS03

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WELL	DESCRIPTION	LEGEND	DEPTH (m)	WATER STRIKE	TEST RESULTS		SAMPLING		
					TYPE/ DEPTH (m)	RESULT	FROM (m)	TO (m)	TYPE
	Grass onto medium dense dark brown clayey very gravelly SAND with many rootlets. Gravel consists of angular flint, igneous rock and brick fragments.						0.10		ES
	MADE GROUND		0.25						
	Chaotic mix of medium dense light brown slightly clayey coarse SAND, Dark grey very gravelly SAND and orange brown GRAVEL. Gravel consists of igneous rock, brick fragments and charcoal.						0.50		D
	MADE GROUND		0.60						
	Uncompacted grey brown mottled light orange brown slightly sandy very clayey SILT with many relic rootbeds. RIVER TERRACE						0.80		D
	Loose becoming medium dense brown very clayey SAND and GRAVEL. Sand is medium to coarse. Gravel consists of angular flint and quartzite. RIVER TERRACE		1.00				1.20		D
	Medium dense becoming dense and very dense light yellow brown slightly clayey SAND and GRAVEL. Sand is coarse. Gravel consists of angular flint and sub-angular to angular quartzite. RIVER TERRACE		1.30				1.30	1.90	B
	BOREHOLE TERMINATED AT 1.90m		1.90						

Notes: Borehole sides remained upright and stable upon completion. Standpipe installed to 1.9m depth. For Dynamic Cone Penetration testing, refer to DCP04.

Ground level (mAOD)

Co-ordinates
456364, 101524

Title
Driven tube sampler borehole record

Surface breaking
No

Groundwater observations
No groundwater encountered.

Date of excavation (range if applicable)
30/03/2015

Appendix
D

Location plan on drawing number
02

DTS04

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WELL	DESCRIPTION	LEGEND	DEPTH (m)	WATER STRIKE	TEST RESULTS		SAMPLING		
					TYPE/ DEPTH (m)	RESULT	FROM (m)	TO (m)	TYPE
	Light grey very sandy GRAVEL. Gravel consists of angular flint, crushed igneous rock, sandstone and brick fragments. MADE GROUND						0.10		ES
	Medium strength brown silty very gravelly CLAY. Gravel consists of sub-angular to sub-rounded flint, brick and coal. MADE GROUND		0.40		PP 0.40	63	0.50		D
					PP 0.60	63			
	Light yellow grey SAND and GRAVEL. Sand is coarse. Gravel consists of sub-rounded to rounded flint and quartzite. MADE GROUND		0.70						
	Medium strength brown slightly gravelly silty CLAY. Gravel consists of sub-rounded to rounded flint. MADE GROUND		0.85		PP 0.90	71			
	BOREHOLE TERMINATED AT 1.00m		1.00						

Notes: Borehole sides remained upright and stable upon completion. Borehole repositioned to avoid suspected pipe.

Ground level (mAOD)

Co-ordinates
456295, 101414

Title
Driven tube sampler borehole record

Surface breaking
No

Groundwater observations
No groundwater encountered.

Date of excavation (range if applicable)
30/03/2015

Appendix
D

Location plan on drawing number
02

DTS05a

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WELL	DESCRIPTION	LEGEND	DEPTH (m)	WATER STRIKE	TEST RESULTS		SAMPLING		
					TYPE/ DEPTH (m)	RESULT	FROM (m)	TO (m)	TYPE
	Light grey very sandy GRAVEL. Gravel consists of angular flint, crushed igneous rock, sandstone and brick fragments. MADE GROUND								
	Medium strength brown silty very gravelly CLAY Gravel consists of sub-angular to sub-rounded flint, brick and coal. MADE GROUND		0.40		PP 0.40	63			
					PP 0.60	67			
					PP 0.80	75			
	BOREHOLE TERMINATED AT 1.00m		1.00						

Notes: Borehole sides remained upright and stable upon completion. Borehole terminated due to presence of metal pipe.

Ground level (mAOD)

Co-ordinates
456295, 101415

Title
Driven tube sampler borehole record

Surface breaking
No

Groundwater observations
No groundwater encountered.

Date of excavation (range if applicable)
30/03/2015

Appendix
D

Location plan on drawing number
02

DTS05b

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WELL	DESCRIPTION	LEGEND	DEPTH (m)	WATER STRIKE	TEST RESULTS		SAMPLING		
					TYPE/ DEPTH (m)	RESULT	FROM (m)	TO (m)	TYPE
	Grass onto medium strength dark brown slightly silty slightly sandy gravelly CLAY with gravel sized pockets of ash. Gravel consists of sandstone, brick and angular flint. MADE GROUND				PP 0.20	25	0.20		ES
					PP 0.50	25	0.50		D
	Medium strength orange brown gravelly very sandy CLAY. Gravel consists of angular flint. RIVER TERRACE		1.00		PP 1.00	88			
							1.20		D
					PP 1.50	96			
	Very dense orange brown very clayey SAND and GRAVEL. Sand is coarse. Gravel consists of angular flint and sub-rounded quartzite. RIVER TERRACE		1.80				1.80		D
	BOREHOLE TERMINATED AT 2.00m		2.00						

Notes: Borehole sides remained upright and stable upon completion. Standpipe installed to 2m depth. For Dynamic Cone Penetration testing, refer to DCP05.

Ground level (mAOD)

Co-ordinates
456293, 101452

Title
Driven tube sampler borehole record

Surface breaking
No

Groundwater observations
No groundwater encountered.

Date of excavation (range if applicable)
30/03/2015

Appendix
D

Location plan on drawing number
02

DTS06

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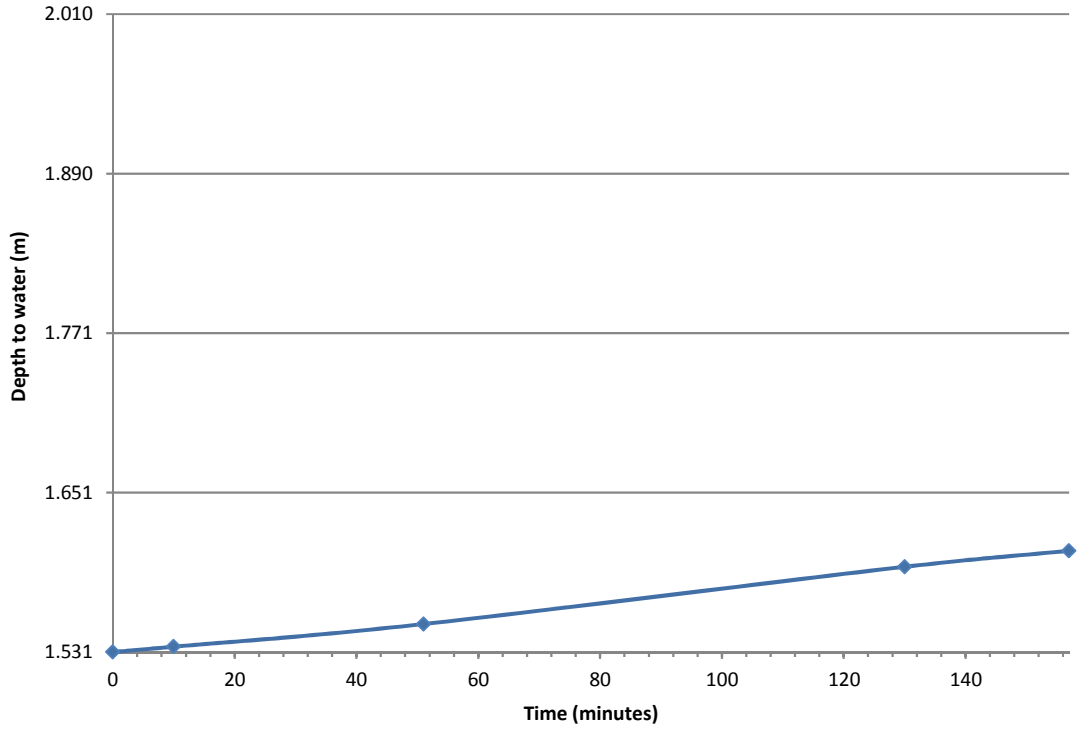
Plot showing time against depth to water:



Test observations:

TIME (mins)	DEPTH TO WATER (m)	TIME (mins)	DEPTH TO WATER (m)
0	1.531		
10	1.535		
51	1.552		
130	1.595		
157	1.607		

Calculations:

Insufficient infiltration over 157 minutes of monitoring therefore unable to calculate soil infiltration rate.

Groundwater observations

Title
Soil infiltation test (following principles of the Building Research Establishment Digest 365 2007)

Trial pit dimensions (width x length)
0.3m x 0.3m

Ground level
N/A

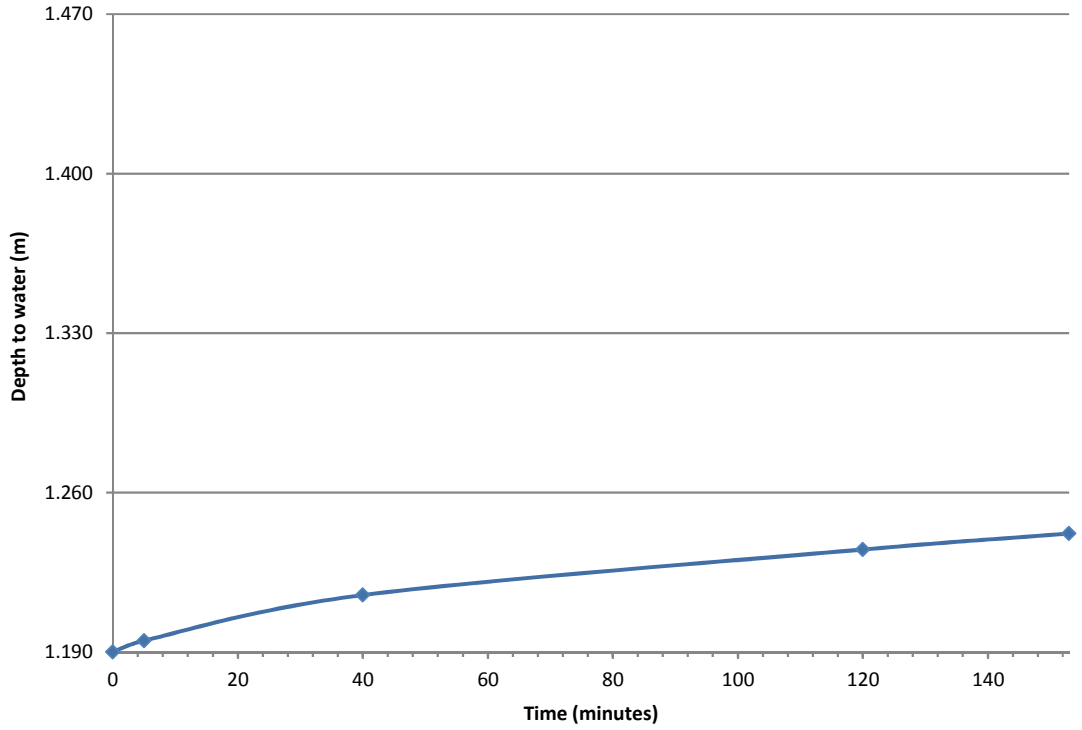
Location plan on drawing number
02

Depth of trial pit at start of test (m)
2.01

Co-ordinates
456208,101488

Trial pit number	Cycle number	Date of excavation
TP04a	1	31/03/2015

Plot showing time against depth to water:



Test observations:

TIME (mins)	DEPTH TO WATER (m)	TIME (mins)	DEPTH TO WATER (m)
0	1.19		
5	1.195		
40	1.215		
120	1.235		
153	1.242		

Calculations:

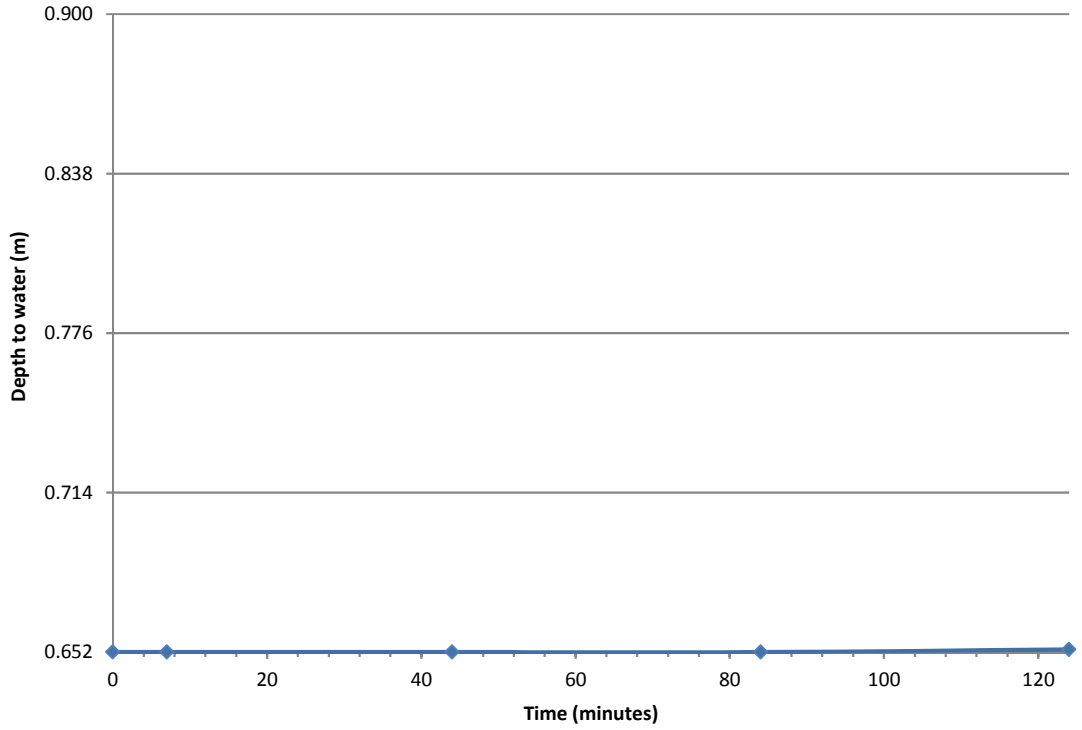
Insufficient infiltration over 153 minutes of monitoring therefore unable to calculate soil infiltration rate.

Groundwater observations

Title
Soil infiltation test (following principles of the Building Research Establishment Digest 365 2007)

Trial pit dimensions (width x length)	Ground level	Location plan on drawing number		
0.3m x 0.3m	N/A	02		
Depth of trial pit at start of test (m)	**Co-ordinates**	**Trial pit number**	**Cycle number**	**Date of excavation**
1.47	456126,101496	TP06a	1	31/03/2015

Plot showing time against depth to water:



Test observations:

TIME (mins)	DEPTH TO WATER (m)	TIME (mins)	DEPTH TO WATER (m)
0	0.652		
7	0.652		
44	0.652		
84	0.652		
124	0.653		

Calculations:

Insufficient infiltration over 124 minutes of monitoring therefore unable to calculate soil infiltration rate.

Groundwater observations

Title
Soil infiltation test (following principles of the Building Research Establishment Digest 365 2007)

Trial pit dimensions (width x length)	Ground level	Location plan on drawing number		
0.3m x 0.3m	N/A	02		
Depth of trial pit at start of test (m)	**Co-ordinates**	**Trial pit number**	**Cycle number**	**Date of excavation**
0.9	456364,101505	TP13a	1	31/03/2015

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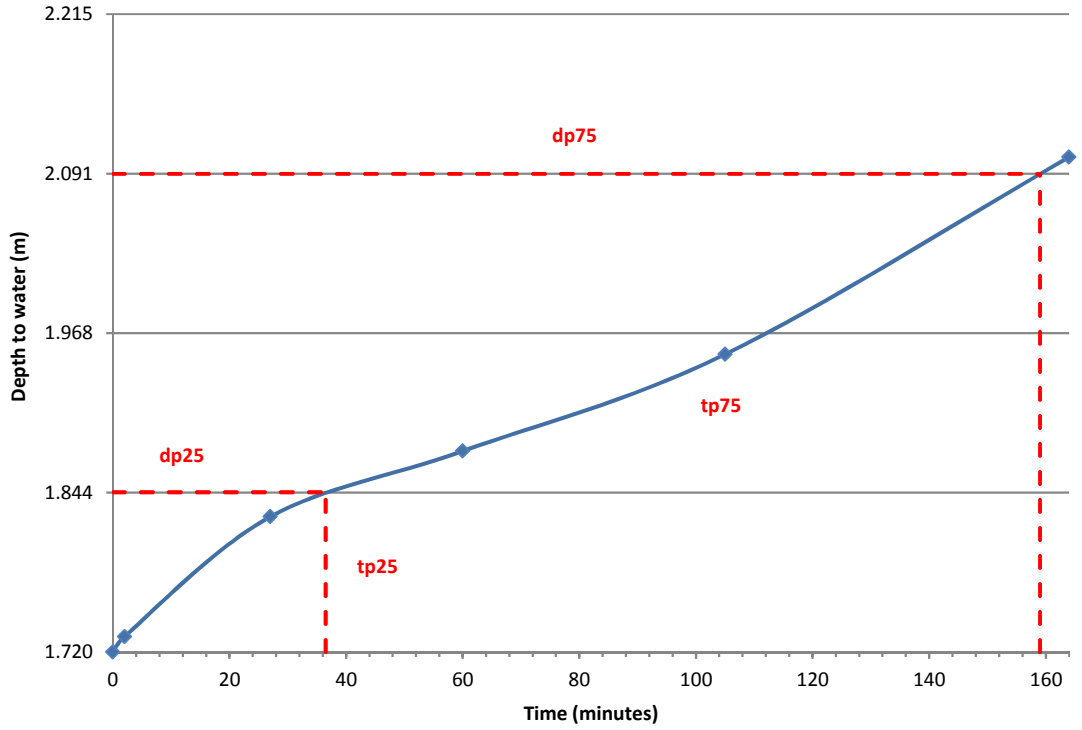
Plot showing time against depth to water:



Test observations:

TIME (mins)	DEPTH TO WATER (m)	TIME (mins)	DEPTH TO WATER (m)
0	1.72		
2	1.732		
27	1.825		
60	1.876		
105	1.951		
164	2.104		

Calculations:

Soil infiltration rate (SIR), $f = \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}}$

V_{p75-25} = *effective storage volume of water in the trial pit between 75% (d_{p75}) and 25% (d_{p25}) effective depth*
= ***0.20748m³***

a_{p50} = *the internal surface area of the trial pit up to 50% effective depth and including the base*
= ***1.828m²***

$t_{p75} - t_{p25}$ = *the time for the water level to fall from 75% to 25% effective depth*
= ***122.5 (minutes)***
= ***7350 (seconds)***

***f* = 1.54E-05 m/s**

Groundwater observations
No groundwater encountered.

Title
Soil infiltation test (following principles of the Building Research Establishment Digest 365 2007)

Trial pit dimensions (width x length)
0.6m x 1.4m

Ground level
N/A

Location plan on drawing number
02

Depth of trial pit at start of test (m)
2.215

Co-ordinates
456316,101496

Trial pit number
TP17

Cycle number
1

Date of excavation
31/03/2015

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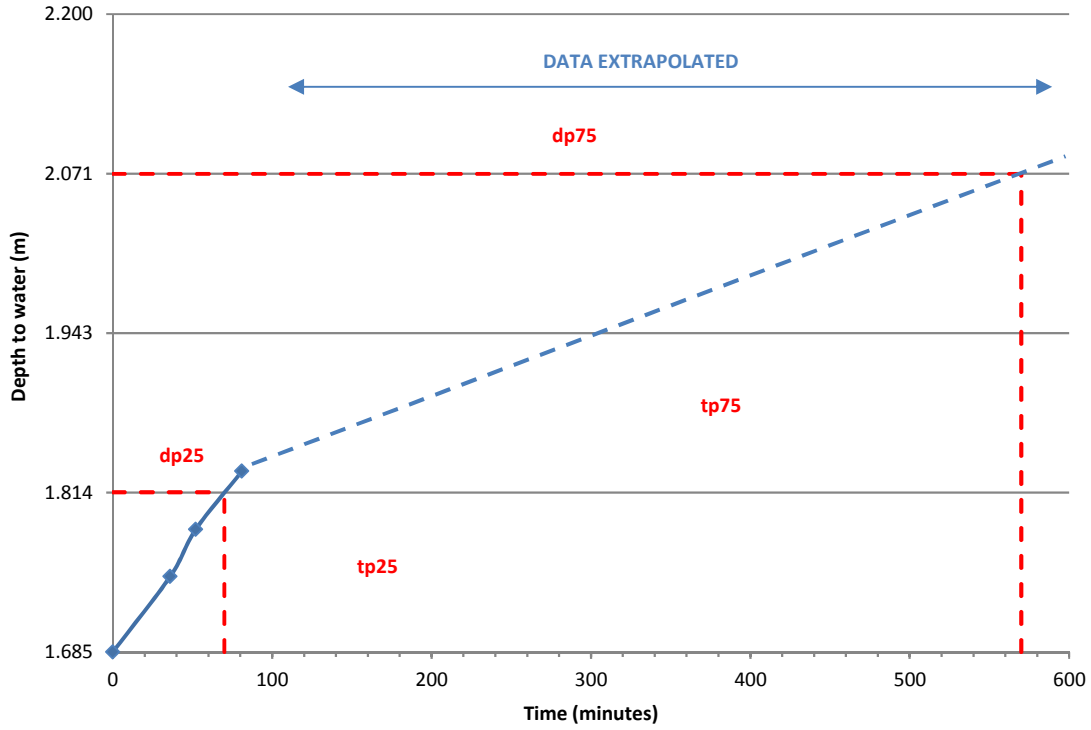
Plot showing time against depth to water:



Test observations:

TIME (mins)	DEPTH TO WATER (m)	TIME (mins)	DEPTH TO WATER (m)
0	1.685		
36	1.746		
52	1.784		
81	1.831		

Calculations:

Soil infiltration rate (SIR), $f = \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}}$

V_{p75-25} = *effective storage volume of water in the trial pit between 75% (d_{p75}) and 25% (d_{p25}) effective depth*
= ***0.21588m³***

a_{p50} = *the internal surface area of the trial pit up to 50% effective depth and including the base*
= ***1.868m²***

$t_{p75} - t_{p25}$ = *the time for the water level to fall from 75% to 25% effective depth*
= ***500 (minutes)***
= ***30000 (seconds)***

***f* = 3.85E-06 m/s**

Groundwater observations
No groundwater encountered.

Title
Soil infiltation test (following principles of the Building Research Establishment Digest 365 2007)

Trial pit dimensions (width x length)
0.6m x 1.4m

Ground level
N/A

Location plan on drawing number
02

Depth of trial pit at start of test (m)
2.2

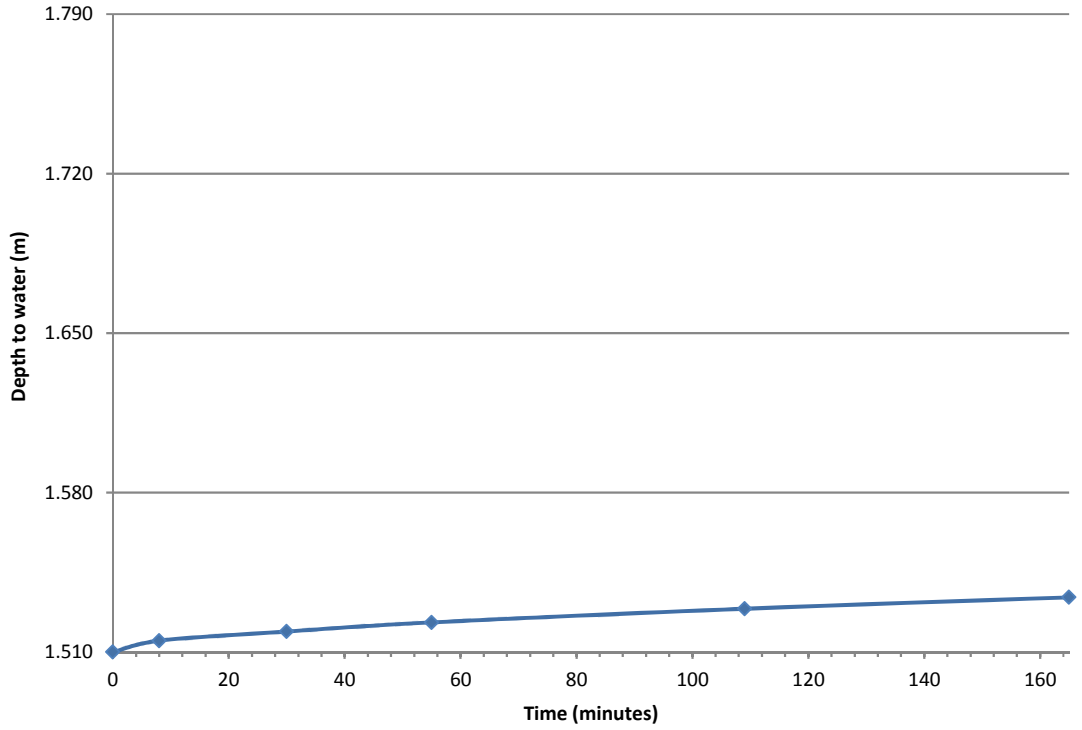
Co-ordinates
456316,101496

Trial pit number
TP17

Cycle number
2

Date of excavation
31/03/2015

Plot showing time against depth to water:



Test observations:

TIME (mins)	DEPTH TO WATER (m)	TIME (mins)	DEPTH TO WATER (m)
0	1.51		
8	1.515		
30	1.519		
55	1.523		
109	1.529		
165	1.534		

Calculations:

Insufficient infiltration over 165 minutes of monitoring therefore unable to calculate soil infiltration rate.

Groundwater observations
No groundwater encountered.

Title
Soil infiltation test (following principles of the Building Research Establishment Digest 365 2007)

Trial pit dimensions (width x length)
0.6m x 1.5m

Ground level
N/A

Location plan on drawing number
02

Depth of trial pit at start of test (m)
1.79

Co-ordinates
456249,101497

Trial pit number
TP18

Cycle number
1

Date of excavation
31/03/2015

Photographic record of the core

Top Bottom



Depth (m)	Description
0.0 – 0.175	Grey reinforced CONCRETE with aggregates of flint up to 20mm in size. ~6mm diameter reinforcement bar located at 0.14m depth. ~5% air voids.
0.175 – 0.3	Dark grey slightly clayey SAND and GRAVEL. Gravel consists of flint. (SUBBASE)
	CORE TERMINATED AT 0.175m DEPTH

Method of excavation
Diamond tipped core barrel

Diameter
100mm

Total core thickness
175mm

Title
Core record

Location plan on drawing number
02

Co-ordinates
N/A

Ground level
N/A

Date of excavation
30.03.2015

Core reference
CH01

Photographic record of the core

Top Bottom



Depth (m)	Description
0.0 – 0.145	Grey reinforced CONCRETE with aggregates of flint up to 20mm in size. ~6mm diameter reinforcement bar located at 0.095m depth. ~5% air voids.
0.145 – 0.25	Dark grey slightly clayey SAND and GRAVEL. Gravel consists of flint. (SUBBASE)
	CORE TERMINATED AT 0.145m DEPTH

Method of excavation
Diamond tipped core barrel

Diameter
100mm

Total core thickness
145mm

Title
Core record

Location plan on drawing number
02

Co-ordinates
N/A

Ground level
N/A

Date of excavation
30.03.2015

Core reference
CH02

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TEST REPORT

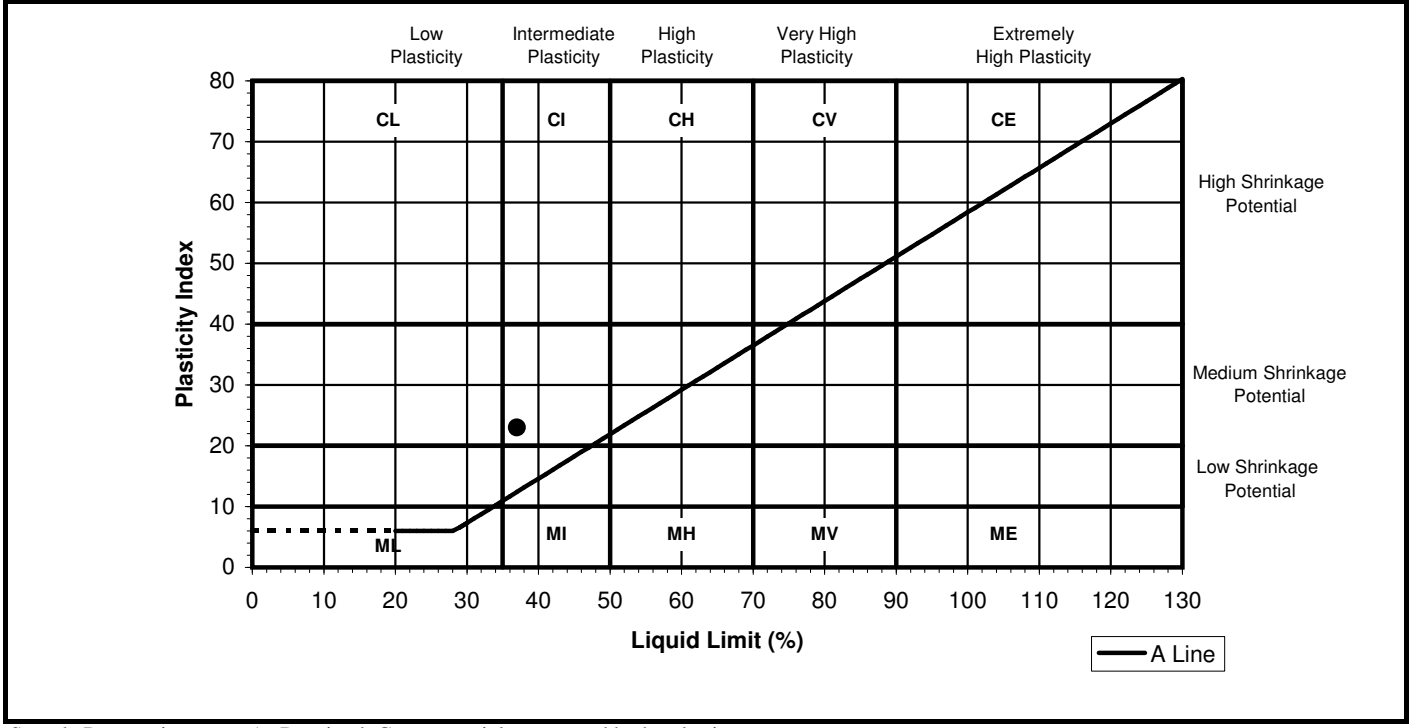
Determination of Moisture Content and Atterberg Limits

Client:	Soiltechnics Limited	Report No:	51013024/15/01
Client Address:	Cedar Barn,	Batch Number:	DAM0052815
	White Lodge		
	Walgrave	Client Reference:	STM3093A
Postcode:	NN6 9PY	Sampled by:	Client
Contact:	Andy Keeler	Date Sampled:	Not Advised
		Date Received:	02.04.15
Site:	Daedalus Park, Gosport	Tested From:	13.04.14 to 14.04.15
		Sample Type:	Bulk

Test Results:

Description: Brown slightly sandy gravelly CLAY

Laboratory Reference	Location	Depth (m)	As Received Moisture Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	% Passing 425µm
45241089	TP07	1.00	N/A	37	14	23	66



Sample Preparation: As Received, Coarse particles removed by hand prior to test
Estimated % passing 425µm BS Test Sieve

Certified that the laboratory testing was carried out in accordance with BS 1377-2: 1990: Method 3.2, 4.4 and 5

Page: 1 of 1
Date: 15.04.15

Signed M. Carr

[✓] M. Carr - Section Manager
[ ] D. Berrill - Laboratory Manager

For and on behalf of Environmental Scientifics Group

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TEST REPORT

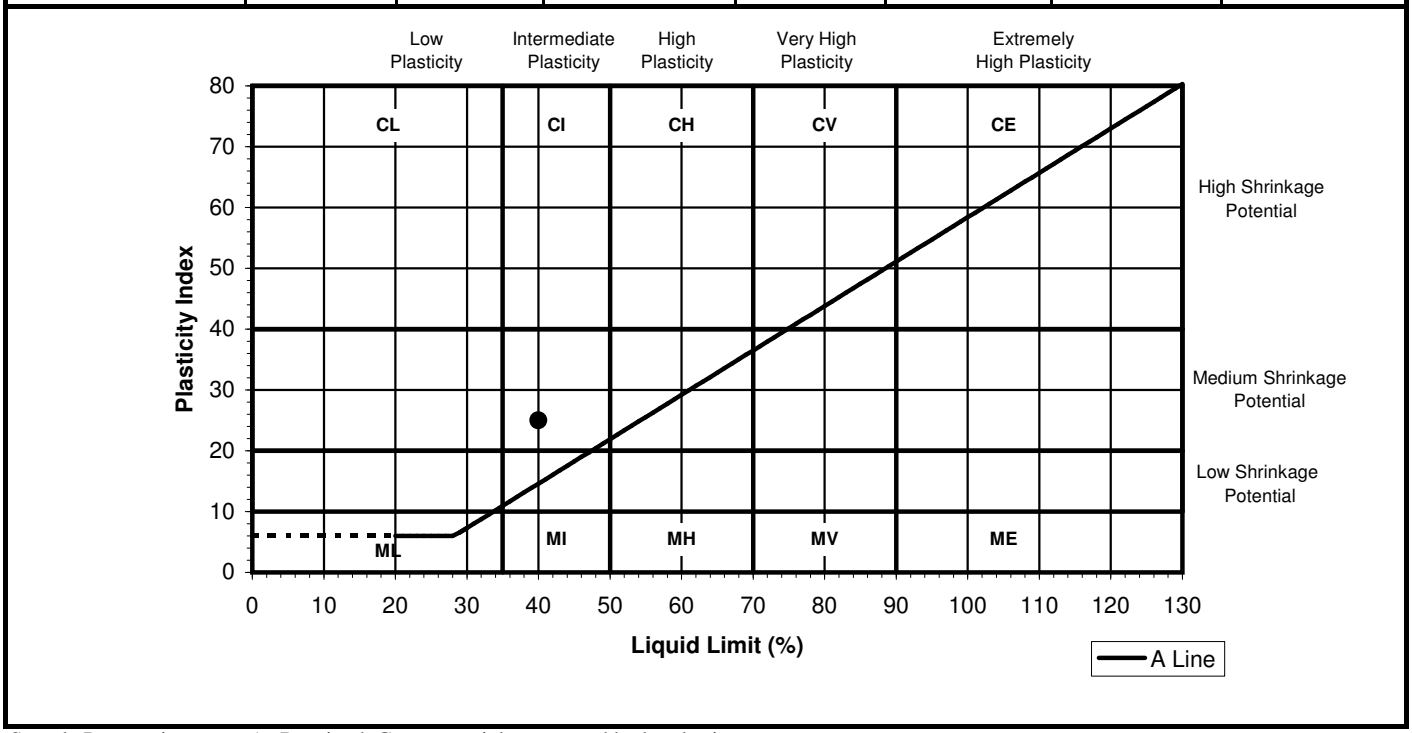
Determination of Moisture Content and Atterberg Limits

Client:	Soiltechnics Limited	Report No:	51013024/15/02
Client Address:	Cedar Barn,	Batch Number:	DAM0052815
	White Lodge		
	Walgrave	Client Reference:	STM3093A
Postcode:	NN6 9PY	Sampled by:	Client
Contact:	Andy Keeler	Date Sampled:	Not Advised
		Date Received:	02.04.15
Site:	Daedalus Park, Gosport	Tested From:	13.04.14 to 14.04.15
		Sample Type:	Bulk

Test Results:

Description: Orange brown sandy gravelly CLAY

Laboratory Reference	Location	Depth (m)	As Received Moisture Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	% Passing 425µm
45241090	TP09	1.50	N/A	40	15	25	86



Sample Preparation: As Received, Coarse particles removed by hand prior to test
Estimated % passing 425µm BS Test Sieve

Certified that the laboratory testing was carried out in accordance with BS 1377-2: 1990: Method 3.2, 4.4 and 5

Page: 1 of 1
Date: 15.04.15

Signed M. Carr

[✓] M. Carr - Section Manager
[ ] D. Berrill - Laboratory Manager

For and on behalf of Environmental Scientifics Group

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Facsimile: +44 (0) 1327 300154

0001

TEST REPORT

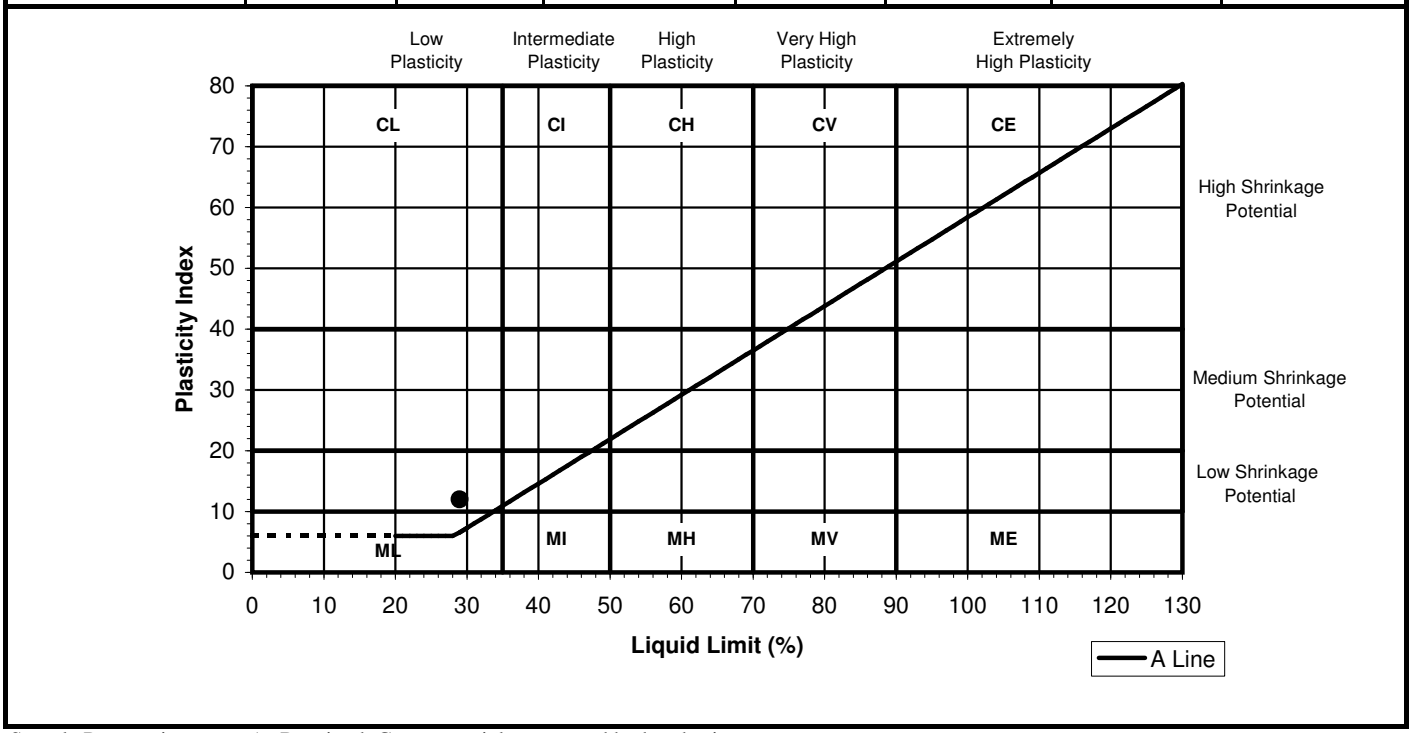
Determination of Moisture Content and Atterberg Limits

Client:	Soiltechnics Limited	Report No:	51013024/15/03
Client Address:	Cedar Barn,	Batch Number:	DAM0052815
	White Lodge		
	Walgrave	Client Reference:	STM3093A
Postcode:	NN6 9PY	Sampled by:	Client
Contact:	Andy Keeler	Date Sampled:	Not Advised
		Date Received:	02.04.15
Site:	Daedalus Park, Gosport	Tested From:	13.04.14 to 14.04.15
		Sample Type:	Bulk

Test Results:

Description: Brown slightly sandy gravelly CLAY

Laboratory Reference	Location	Depth (m)	As Received Moisture Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	% Passing 425µm
45241091	TP13	0.90	N/A	29	17	12	89



Sample Preparation: As Received, Coarse particles removed by hand prior to test
Estimated % passing 425µm BS Test Sieve

Certified that the laboratory testing was carried out in accordance with BS 1377-2: 1990: Method 3.2, 4.4 and 5

Page: 1 of 1
Date: 15.04.15

Signed M. Carr

[✓] M. Carr - Section Manager
[ ] D. Berrill - Laboratory Manager

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0001

TEST REPORT

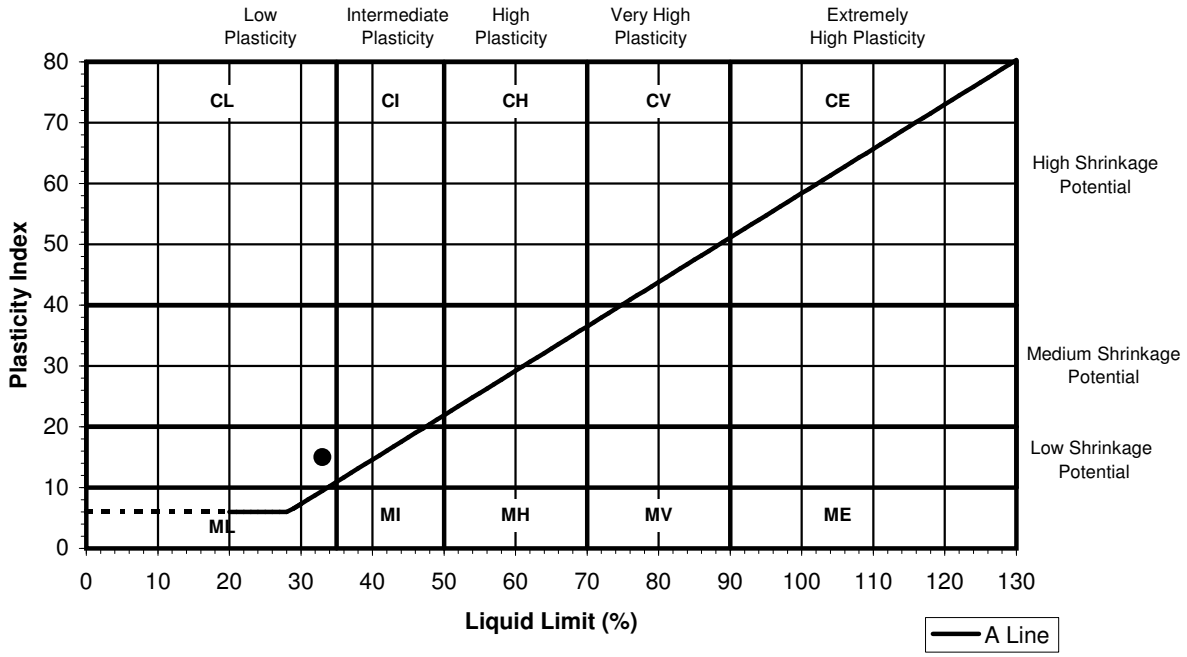
Determination of Moisture Content and Atterberg Limits

Client:	Soiltechnics Limited	Report No:	51013024/15/04
Client Address:	Cedar Barn,	Batch Number:	DAM0052815
	White Lodge		
	Walgrave	Client Reference:	STM3093A
Postcode:	NN6 9PY	Sampled by:	Client
Contact:	Andy Keeler	Date Sampled:	Not Advised
		Date Received:	02.04.15
Site:	Daedalus Park, Gosport	Tested From:	13.04.14 to 14.04.15
		Sample Type:	Bulk

Test Results:

Description: Brown slightly sandy gravelly CLAY

Laboratory Reference	Location	Depth (m)	As Received Moisture Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	% Passing 425µm
45241092	TP15	0.70	N/A	33	18	15	76



Sample Preparation: As Received, Coarse particles removed by hand prior to test
Estimated % passing 425µm BS Test Sieve

Certified that the laboratory testing was carried out in accordance with BS 1377-2: 1990: Method 3.2, 4.4 and 5

Page: 1 of 1
Date: 15.04.15

Signed M. Carr

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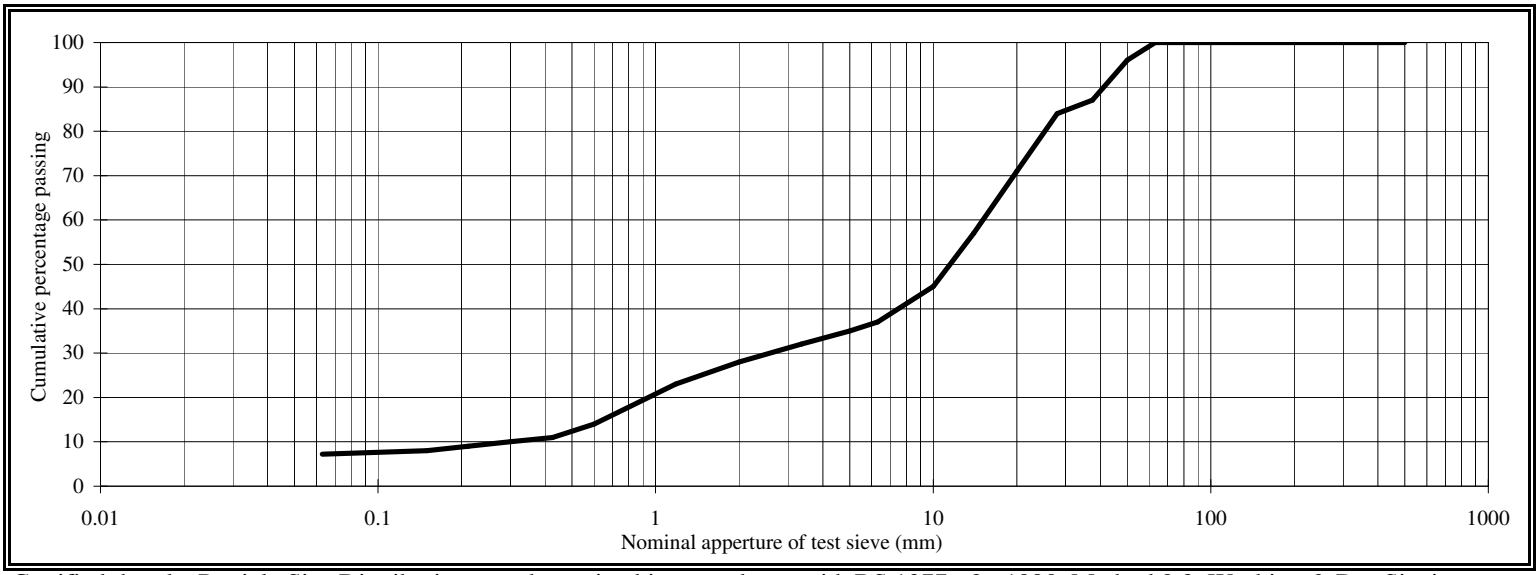
0001

TEST REPORT

Determination of Particle Size Distribution

Client:	Soiltechnics Limited	Report No:	51013024/15/05
Client Address:	Cedar Barn, White Lodge Walgrave	Batch Number: Lab Ref:	DAM0052815 45241093
Postcode:	NN6 9PY	Client Ref:	STM3093A
Contact:	Andy Keeler	Location:	TP06
		Depth (m):	1.50-1.90
Site:	Daedalus Park, Gosport		
		Date Sampled:	Not Advised
Sampled by:	Client	Date Received:	02.04.15
Sampled from:	Site	Date Tested:	14.04.15
Supplier:	Client	Sample Type:	Bulk
Source:	Site	Sample Mass (kg):	5.9
Description:	Brown sandy Gravel		
Specification:	Not Required		
Comments:			

SIEVE ANALYSIS		
BS Sieve (mm)	Passing (%)	Material Specification
500	100	
300	100	
125	100	
100	100	
90	100	
75	100	
63	100	
50	96	
37.5	87	
28	84	
20	71	
14	57	
10	45	
6.3	37	
5	35	
3.35	32	
2	28	
1.18	23	
0.600	14	
0.425	11	
0.300	10	
0.212	9	
0.150	8	
0.063	7.2	



Certified that the Particle Size Distribution was determined in accordance with BS 1377 - 2 : 1990, Method 9.2. Washing & Dry Sieving
Method of Preparation: BS 1377 - 1 & 2 : 1990

Page: 1 of 1
Date: 15.04.15

Signed: M. Carr

[✓] M. Carr - Section Manager
[ ] D. Berrill - Laboratory Manager

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UKAS TESTING
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TEST REPORT

Determination of Particle Size Distribution

Client:	Soiltechnics Limited	Report No:	51013024/15/06
Client Address:	Cedar Barn, White Lodge Walgrave	Batch Number: Lab Ref:	DAM0052815 45241094
Postcode:	NN6 9PY	Client Ref:	STM3093A
Contact:	Andy Keeler	Location:	TP15
		Depth (m):	1.80
Site:	Daedalus Park, Gosport		
		Date Sampled:	Not Advised
Sampled by:	Client	Date Received:	02.04.15
Sampled from:	Site	Date Tested:	15.04.15
Supplier:	Client	Sample Type:	Bulk
Source:	Site	Sample Mass (kg):	6.6

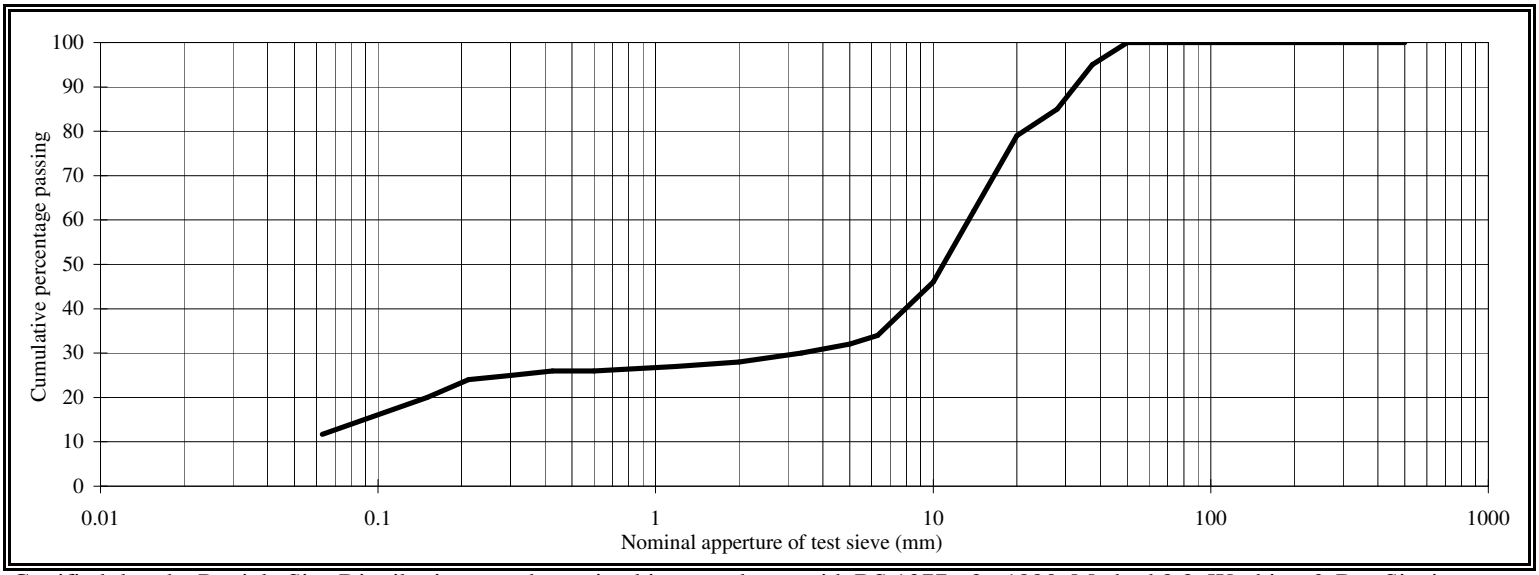
Description: Brown grey slightly clayey sandy Gravel

Specification: Not Required

Comments:

SIEVE ANALYSIS

BS Sieve (mm)	Passing (%)	Material Specification
500	100	
300	100	
125	100	
100	100	
90	100	
75	100	
63	100	
50	100	
37.5	95	
28	85	
20	79	
14	62	
10	46	
6.3	34	
5	32	
3.35	30	
2	28	
1.18	27	
0.600	26	
0.425	26	
0.300	25	
0.212	24	
0.150	20	
0.063	11.7	



Certified that the Particle Size Distribution was determined in accordance with BS 1377 - 2 : 1990, Method 9.2. Washing & Dry Sieving
Method of Preparation: BS 1377 - 1 & 2 : 1990

Page: 1 of 1
Date: 15.04.15

Signed: M. Carr

[✓] M. Carr - Section Manager
[ ] D. Berrill - Laboratory Manager

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Chemtest Ltd.
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.co.uk

Final Report

Report Number:	15-07750 Issue-0
Initial Date of Issue:	09-Apr-2015
Client:	Soiltechnics Limited
Client Address:	Cedar Barn White Lodge Walgrave Northampton Northamptonshire NN6 9PY
Contact(s):	Rachel Brown Sara Bertholdson
Project:	STM3093A- Daedaws Park, Gosport

Quotation No.:		**Date Received:**	07-Apr-2015
Order No.:	18672	**Date Instructed:**	07-Apr-2015
No. of Samples:	20		
Turnaround: (Wkdays)	3	**Results Due Date:**	09-Apr-2015
Date Approved:	09-Apr-2015		

Approved By:



Details: Keith Jones, Technical Manager

Chemtest
The right chemistry to deliver results

Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited					Chemtest Job No.:	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Quotation No.:					Chemtest Sample ID.:	124400	124401	124402	124403	124404	124407	124408	124409	124410
Order No.: 18672					Client Sample Ref.:									
					Client Sample ID.:	Composite Madeground	TP10	TP13	TP08	TP06	CH01	TP12	TP19	TP01
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):		1.8	1.4	1.0	0.3	0.2	0.3	0.2	0.2
					Bottom Depth(m):									
					Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**										
ACM Type	U	2192								-		-		-
Asbestos Identification	U	2192	%	0.001						No Asbestos Detected		No Asbestos Detected		No Asbestos Detected
Moisture	N	2030	%	0.02	15	6.0	15	15	15	9.5	57	12		
Soil Colour	N				brown	yellow	brown	brown	brown	black	brown	brown		
Glycols	N		mg/kg	1						< 1.0	< 1.0	< 1.0		
Other Material	N				roots	stones	none	none	stones	clinker	stones roots	stones roots		
Soil Texture	N				loam	sand	clay	clay	loam	clinker	loam	loam		
pH	M	2010			6.8	8.0	7.8	7.9	8.1		8.2			
Boron (Hot Water Soluble)	M	2120	mg/kg	0.4					0.74		0.71			
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.01	< 0.010	< 0.010	< 0.010	< 0.010						
Total Sulphur	M	2175	%	0.01	0.030	0.010	0.010	0.010						
Cyanide (Total)	M	2300	mg/kg	0.5					< 0.50		< 0.50			
Cyanide (Free)	M	2300	mg/kg	0.5					< 0.50		< 0.50			
Cyanide (Complex)	M	2300	mg/kg	0.5					< 0.50		< 0.50			
Sulphate (Acid Soluble)	M	2430	%	0.01	0.043	< 0.010	0.011	0.017						
Arsenic	M	2450	mg/kg	1					5.7		2.0			
Beryllium	U	2450	mg/kg	1					< 1.0		< 1.0			
Cadmium	M	2450	mg/kg	0.1					0.84		0.24			
Chromium	M	2450	mg/kg	1					24		20			
Copper	M	2450	mg/kg	0.5					52		31			
Mercury	M	2450	mg/kg	0.1					0.19		0.55			
Nickel	M	2450	mg/kg	0.5					15		20			
Lead	M	2450	mg/kg	0.5					180		99			
Selenium	M	2450	mg/kg	0.2					< 0.20		< 0.20			
Vanadium	U	2450	mg/kg	5					34		35			
Zinc	M	2450	mg/kg	0.5					160		120			
Chromium (Hexavalent)	N	2490	mg/kg	0.5					< 0.50		< 0.50			
Organic Matter	M	2625	%	0.4					4.7	3.6	4.7	2.9		
Total Organic Carbon	M	2625	%	0.2						2.1	2.7	1.7		
Aliphatic TPH >C5-C6	N	2675	mg/kg	0.01						< 0.010	< 0.010	< 0.010		
Aliphatic TPH >C6-C8	N	2675	mg/kg	0.01						< 0.010	< 0.010	< 0.010		

Chemtest
The right chemistry to deliver results

Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited					Chemtest Job No.:	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Quotation No.:					Chemtest Sample ID.:	124400	124401	124402	124403	124404	124407	124408	124409	124410
Order No.: 18672					Client Sample Ref.:									
					Client Sample ID.:	Composite Madeground	TP10	TP13	TP08	TP06	CH01	TP12	TP19	TP01
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):		1.8	1.4	1.0	0.3	0.2	0.3	0.2	0.2
					Bottom Depth(m):									
					Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**										
Aliphatic TPH >C8-C10	N	2675	mg/kg	0.1							< 0.10	< 0.10	< 0.10	
Aliphatic TPH >C10-C12	N	2675	mg/kg	0.1							< 0.10	< 0.10	< 0.10	
Aliphatic TPH >C12-C16	N	2675	mg/kg	0.1							< 0.10	< 0.10	< 0.10	
Aliphatic TPH >C16-C21	N	2675	mg/kg	0.1							< 0.10	< 0.10	< 0.10	
Aliphatic TPH >C21-C35	N	2675	mg/kg	0.1							< 0.10	< 0.10	< 0.10	
Aliphatic TPH >C35-C44	N	2675	mg/kg	0.1							< 0.10	< 0.10	< 0.10	
Total Aliphatic Hydrocarbons	N	2675	mg/kg	1							< 1.0	< 1.0	< 1.0	
Aromatic TPH >C5-C7	N	2675	mg/kg	0.01							< 0.010	< 0.010	< 0.010	
Aromatic TPH >C7-C8	N	2675	mg/kg	0.01							< 0.010	< 0.010	< 0.010	
Aromatic TPH >C8-C10	N	2675	mg/kg	0.1							< 0.10	< 0.10	< 0.10	
Aromatic TPH >C10-C12	N	2675	mg/kg	0.1							0.37	3.8	< 0.10	
Aromatic TPH >C12-C16	N	2675	mg/kg	0.1							11	30	8.5	
Aromatic TPH >C16-C21	N	2675	mg/kg	0.1							26	48	13	
Aromatic TPH >C21-C35	N	2675	mg/kg	0.1							40	110	25	
Aromatic TPH >C35-C44	N	2675	mg/kg	0.1							1.1	6.4	< 0.10	
Total Aromatic Hydrocarbons	N	2675	mg/kg	1							79	200	46	
Total Petroleum Hydrocarbons	N	2675	mg/kg	2							79	200	46	
Dichlorodifluoromethane	U	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Chloromethane	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Vinyl Chloride	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Bromomethane	M	2760	µg/kg	20							< 20	< 20	< 20	
Chloroethane	U	2760	µg/kg	2							< 2.0	< 2.0	< 2.0	
Trichlorofluoromethane	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,1-Dichloroethene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Trans 1,2-Dichloroethene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,1-Dichloroethane	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
cis 1,2-Dichloroethene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Bromochloromethane	U	2760	µg/kg	5							< 5.0	< 5.0	< 5.0	
Trichloromethane	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,1,1-Trichloroethane	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Tetrachloromethane	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,1-Dichloropropene	U	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	

Chemtest
The right chemistry to deliver results

Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited					Chemtest Job No.:	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Quotation No.:					Chemtest Sample ID.:	124400	124401	124402	124403	124404	124407	124408	124409	124410
Order No.: 18672					Client Sample Ref.:									
					Client Sample ID.:	Composite Madeground	TP10	TP13	TP08	TP06	CH01	TP12	TP19	TP01
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):		1.8	1.4	1.0	0.3	0.2	0.3	0.2	0.2
					Bottom Depth(m):									
					Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**										
Benzene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,2-Dichloroethane	M	2760	µg/kg	2							< 2.0	< 2.0	< 2.0	
Trichloroethene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,2-Dichloropropane	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Dibromomethane	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Bromodichloromethane	M	2760	µg/kg	5							< 5.0	< 5.0	< 5.0	
cis-1,3-Dichloropropene	N	2760	µg/kg	10							< 10	< 10	< 10	
Toluene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Trans-1,3-Dichloropropene	N	2760	µg/kg	10							< 10	< 10	< 10	
1,1,2-Trichloroethane	M	2760	µg/kg	10							< 10	< 10	< 10	
Tetrachloroethene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,3-Dichloropropane	U	2760	µg/kg	2							< 2.0	< 2.0	< 2.0	
Dibromochloromethane	U	2760	µg/kg	10							< 10	< 10	< 10	
1,2-Dibromoethane	M	2760	µg/kg	5							< 5.0	< 5.0	< 5.0	
Chlorobenzene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,1,1,2-Tetrachloroethane	M	2760	µg/kg	2							< 2.0	< 2.0	< 2.0	
Ethylbenzene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
m & p-Xylene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
o-Xylene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Styrene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Tribromomethane	U	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Isopropylbenzene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Bromobenzene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,2,3-Trichloropropane	N	2760	µg/kg	50							< 50	< 50	< 50	
N-Propylbenzene	U	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
2-Chlorotoluene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,3,5-Trimethylbenzene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
4-Chlorotoluene	U	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Tert-Butylbenzene	U	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,2,4-Trimethylbenzene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Sec-Butylbenzene	U	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,3-Dichlorobenzene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	

Chemtest
The right chemistry to deliver results

Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited					Chemtest Job No.:	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Quotation No.:					Chemtest Sample ID.:	124400	124401	124402	124403	124404	124407	124408	124409	124410
Order No.: 18672					Client Sample Ref.:									
					Client Sample ID.:	Composite Madeground	TP10	TP13	TP08	TP06	CH01	TP12	TP19	TP01
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):		1.8	1.4	1.0	0.3	0.2	0.3	0.2	0.2
					Bottom Depth(m):									
					Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**										
4-Isopropyltoluene	U	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,4-Dichlorobenzene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
N-Butylbenzene	U	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,2-Dichlorobenzene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,2-Dibromo-3-Chloropropane	U	2760	µg/kg	50							< 50	< 50	< 50	
1,2,4-Trichlorobenzene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Hexachlorobutadiene	U	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,2,3-Trichlorobenzene	U	2760	µg/kg	2							< 2.0	< 2.0	< 2.0	
Carbon Disulphide	N	2760	µg/kg	50							< 50	< 50	< 50	
Methyl Tert-Butyl Ether	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
N-Nitrosodimethylamine	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Phenol	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
2-Chlorophenol	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Bis-(2-Chloroethyl)Ether	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
1,3-Dichlorobenzene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
1,4-Dichlorobenzene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
1,2-Dichlorobenzene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
2-Methylphenol	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Bis(2-Chloroisopropyl)Ether	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Hexachloroethane	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
N-Nitrosodi-n-propylamine	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
4-Methylphenol	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Nitrobenzene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Isophorone	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
2-Nitrophenol	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
2,4-Dimethylphenol	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Bis(2-Chloroethoxy)Methane	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
2,4-Dichlorophenol	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
1,2,4-Trichlorobenzene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Naphthalene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
4-Chloroaniline	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Hexachlorobutadiene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	

Chemtest
The right chemistry to deliver results

Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited					Chemtest Job No.:	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Quotation No.:					Chemtest Sample ID.:	124400	124401	124402	124403	124404	124407	124408	124409	124410
Order No.: 18672					Client Sample Ref.:									
					Client Sample ID.:	Composite Madeground	TP10	TP13	TP08	TP06	CH01	TP12	TP19	TP01
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):		1.8	1.4	1.0	0.3	0.2	0.3	0.2	0.2
					Bottom Depth(m):									
					Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**										
4-Chloro-3-Methylphenol	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
2-Methylnaphthalene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Hexachlorocyclopentadiene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
2,4,6-Trichlorophenol	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
2,4,5-Trichlorophenol	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
2-Chloronaphthalene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
2-Nitroaniline	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Acenaphthylene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Dimethylphthalate	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
2,6-Dinitrotoluene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Acenaphthene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Dibenzofuran	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
4-Chlorophenylphenylether	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
2,4-Dinitrotoluene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Fluorene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Diethyl Phthalate	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
4-Nitroaniline	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
2-Methyl-4,6-Dinitrophenol	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Azobenzene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
4-Bromophenylphenyl Ether	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Hexachlorobenzene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Pentachlorophenol	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Phenanthrene	N	2790	mg/kg	0.5							< 0.50	1.4	< 0.50	
Anthracene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Carbazole	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Di-N-Butyl Phthalate	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Fluoranthene	N	2790	mg/kg	0.5							< 0.50	5.1	< 0.50	
Pyrene	N	2790	mg/kg	0.5							< 0.50	4.2	< 0.50	
Butylbenzyl Phthalate	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Benzo[a]anthracene	N	2790	mg/kg	0.5							< 0.50	2.8	< 0.50	
Chrysene	N	2790	mg/kg	0.5							< 0.50	2.6	< 0.50	
Bis(2-Ethylhexyl)Phthalate	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	

Chemtest
The right chemistry to deliver results

Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited					Chemtest Job No.:	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Quotation No.:					Chemtest Sample ID.:	124400	124401	124402	124403	124404	124407	124408	124409	124410
Order No.: 18672					Client Sample Ref.:									
					Client Sample ID.:	Composite Madeground	TP10	TP13	TP08	TP06	CH01	TP12	TP19	TP01
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):		1.8	1.4	1.0	0.3	0.2	0.3	0.2	0.2
					Bottom Depth(m):									
					Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**										
Di-N-Octyl Phthalate	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Benzo[b]fluoranthene	N	2790	mg/kg	0.5							< 0.50	4.2	< 0.50	
Benzo[k]fluoranthene	N	2790	mg/kg	0.5							< 0.50	1.3	< 0.50	
Benzo[a]pyrene	N	2790	mg/kg	0.5							< 0.50	2.8	< 0.50	
Indeno(1,2,3-c,d)Pyrene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Dibenz(a,h)Anthracene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Benzo[g,h,i]perylene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Naphthalene	M	2800	mg/kg	0.1						0.18		< 0.10		
Acenaphthylene	N	2800	mg/kg	0.1						0.17		< 0.10		
Acenaphthene	M	2800	mg/kg	0.1						0.70		0.21		
Fluorene	M	2800	mg/kg	0.1						0.78		0.17		
Phenanthrene	M	2800	mg/kg	0.1						14		3.7		
Anthracene	M	2800	mg/kg	0.1						4.4		1.3		
Fluoranthene	M	2800	mg/kg	0.1						27		8.8		
Pyrene	M	2800	mg/kg	0.1						22		7.5		
Benzo[a]anthracene	M	2800	mg/kg	0.1						12		5.0		
Chrysene	M	2800	mg/kg	0.1						11		4.5		
Benzo[b]fluoranthene	M	2800	mg/kg	0.1						13		5.8		
Benzo[k]fluoranthene	M	2800	mg/kg	0.1						5.5		2.5		
Benzo[a]pyrene	M	2800	mg/kg	0.1						11		5.0		
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.1						7.3		3.7		
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.1						1.5		0.68		
Benzo[g,h,i]perylene	M	2800	mg/kg	0.1						6.5		3.0		
Total Of 16 PAH's	N	2800	mg/kg	2						140		52		
PCB 28	M	2810	mg/kg	0.01							< 0.010	< 0.010	< 0.010	
PCB 52	M	2815	mg/kg	0.01							< 0.010	< 0.010	< 0.010	
PCB 101	M	2815	mg/kg	0.01							< 0.010	< 0.010	< 0.010	
PCB 118	M	2815	mg/kg	0.01							< 0.010	< 0.010	< 0.010	
PCB 153	M	2815	mg/kg	0.01							< 0.010	< 0.010	< 0.010	
PCB 138	M	2815	mg/kg	0.01							< 0.010	< 0.010	< 0.010	
PCB 180	M	2810	mg/kg	0.01							< 0.010	< 0.010	< 0.010	
Total PCBs (7 Congeners)	N	2815	mg/kg	0.1							< 0.10	< 0.10	< 0.10	

Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited					Chemtest Job No.:	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Quotation No.:					Chemtest Sample ID.:	124400	124401	124402	124403	124404	124407	124408	124409	124410
Order No.: 18672					Client Sample Ref.:									
					Client Sample ID.:	Composite Madeground	TP10	TP13	TP08	TP06	CH01	TP12	TP19	TP01
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):		1.8	1.4	1.0	0.3	0.2	0.3	0.2	0.2
					Bottom Depth(m):									
					Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**										
Total Phenols	M	2920	mg/kg	0.3						< 0.30		< 0.30		

Chemtest
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Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited					15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Quotation No.:					124411	124412	124413	124414	124415	124416	124417	124418	124419
Order No.: 18672													
					TP11	TP15	TP17	TP10	TP03	TP09	TP14	TP18	TP20
					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					0.4	0.1	0.1	0.4	0.2	0.3	0.2	0.2	0.3
					31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
ACM Type	U	2192			-	-	-	-	-	-	-	-	-
Asbestos Identification	U	2192	%	0.001	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture	N	2030	%	0.02				16	11	23	9.4	12	15
Soil Colour	N							brown	brown	brown	brown	brown	brown
Glycols	N		mg/kg	1									
Other Material	N							stones roots	stones roots	stones roots	stones roots	stones roots	clinker
Soil Texture	N							loam	loam	loam	loam	loam	loam
pH	M	2010						6.1	8.7	8.1	8.2	6.4	7.8
Boron (Hot Water Soluble)	M	2120	mg/kg	0.4				0.51	0.66	1.0	0.56	0.77	0.89
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.01									
Total Sulphur	M	2175	%	0.01									
Cyanide (Total)	M	2300	mg/kg	0.5				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cyanide (Free)	M	2300	mg/kg	0.5				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cyanide (Complex)	M	2300	mg/kg	0.5				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Sulphate (Acid Soluble)	M	2430	%	0.01									
Arsenic	M	2450	mg/kg	1				< 1.0	16	3.9	18	< 1.0	5.0
Beryllium	U	2450	mg/kg	1				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.0
Cadmium	M	2450	mg/kg	0.1				0.10	0.38	0.29	0.36	0.16	0.30
Chromium	M	2450	mg/kg	1				26	21	23	24	24	28
Copper	M	2450	mg/kg	0.5				22	28	38	21	32	43
Mercury	M	2450	mg/kg	0.1				< 0.10	0.14	0.13	0.26	0.23	0.19
Nickel	M	2450	mg/kg	0.5				14	15	17	17	16	21
Lead	M	2450	mg/kg	0.5				49	72	300	71	93	120
Selenium	M	2450	mg/kg	0.2				0.29	< 0.20	< 0.20	< 0.20	0.35	0.31
Vanadium	U	2450	mg/kg	5				35	31	41	34	33	39
Zinc	M	2450	mg/kg	0.5				100	72	120	87	77	160
Chromium (Hexavalent)	N	2490	mg/kg	0.5				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Organic Matter	M	2625	%	0.4				1.4	5.5	5.3	6.0	2.9	14
Total Organic Carbon	M	2625	%	0.2									
Aliphatic TPH >C5-C6	N	2675	mg/kg	0.01									
Aliphatic TPH >C6-C8	N	2675	mg/kg	0.01									

Chemtest
The right chemistry to deliver results

Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited													
Quotation No.:				**Chemtest Job No.:**	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Order No.: 18672				**Chemtest Sample ID.:**	124411	124412	124413	124414	124415	124416	124417	124418	124419
				Client Sample Ref.:									
				Client Sample ID.:	TP11	TP15	TP17	TP10	TP03	TP09	TP14	TP18	TP20
				Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):	0.4	0.1	0.1	0.4	0.2	0.3	0.2	0.2	0.3
				Bottom Depth(m):									
				Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Aliphatic TPH >C8-C10	N	2675	mg/kg	0.1									
Aliphatic TPH >C10-C12	N	2675	mg/kg	0.1									
Aliphatic TPH >C12-C16	N	2675	mg/kg	0.1									
Aliphatic TPH >C16-C21	N	2675	mg/kg	0.1									
Aliphatic TPH >C21-C35	N	2675	mg/kg	0.1									
Aliphatic TPH >C35-C44	N	2675	mg/kg	0.1									
Total Aliphatic Hydrocarbons	N	2675	mg/kg	1									
Aromatic TPH >C5-C7	N	2675	mg/kg	0.01									
Aromatic TPH >C7-C8	N	2675	mg/kg	0.01									
Aromatic TPH >C8-C10	N	2675	mg/kg	0.1									
Aromatic TPH >C10-C12	N	2675	mg/kg	0.1									
Aromatic TPH >C12-C16	N	2675	mg/kg	0.1									
Aromatic TPH >C16-C21	N	2675	mg/kg	0.1									
Aromatic TPH >C21-C35	N	2675	mg/kg	0.1									
Aromatic TPH >C35-C44	N	2675	mg/kg	0.1									
Total Aromatic Hydrocarbons	N	2675	mg/kg	1									
Total Petroleum Hydrocarbons	N	2675	mg/kg	2									
Dichlorodifluoromethane	U	2760	µg/kg	1									
Chloromethane	M	2760	µg/kg	1									
Vinyl Chloride	M	2760	µg/kg	1									
Bromomethane	M	2760	µg/kg	20									
Chloroethane	U	2760	µg/kg	2									
Trichlorofluoromethane	M	2760	µg/kg	1									
1,1-Dichloroethene	M	2760	µg/kg	1									
Trans 1,2-Dichloroethene	M	2760	µg/kg	1									
1,1-Dichloroethane	M	2760	µg/kg	1									
cis 1,2-Dichloroethene	M	2760	µg/kg	1									
Bromochloromethane	U	2760	µg/kg	5									
Trichloromethane	M	2760	µg/kg	1									
1,1,1-Trichloroethane	M	2760	µg/kg	1									
Tetrachloromethane	M	2760	µg/kg	1									
1,1-Dichloropropene	U	2760	µg/kg	1									

Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited														
Quotation No.:				**Chemtest Job No.:**	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Order No.: 18672				**Chemtest Sample ID.:**	124411	124412	124413	124414	124415	124416	124417	124418	124419
				Client Sample Ref.:									
				Client Sample ID.:	TP11	TP15	TP17	TP10	TP03	TP09	TP14	TP18	TP20
				Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):	0.4	0.1	0.1	0.4	0.2	0.3	0.2	0.2	0.3
				Bottom Depth(m):									
				Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Benzene	M	2760	µg/kg	1									
1,2-Dichloroethane	M	2760	µg/kg	2									
Trichloroethene	M	2760	µg/kg	1									
1,2-Dichloropropane	M	2760	µg/kg	1									
Dibromomethane	M	2760	µg/kg	1									
Bromodichloromethane	M	2760	µg/kg	5									
cis-1,3-Dichloropropene	N	2760	µg/kg	10									
Toluene	M	2760	µg/kg	1									
Trans-1,3-Dichloropropene	N	2760	µg/kg	10									
1,1,2-Trichloroethane	M	2760	µg/kg	10									
Tetrachloroethene	M	2760	µg/kg	1									
1,3-Dichloropropane	U	2760	µg/kg	2									
Dibromochloromethane	U	2760	µg/kg	10									
1,2-Dibromoethane	M	2760	µg/kg	5									
Chlorobenzene	M	2760	µg/kg	1									
1,1,1,2-Tetrachloroethane	M	2760	µg/kg	2									
Ethylbenzene	M	2760	µg/kg	1									
m & p-Xylene	M	2760	µg/kg	1									
o-Xylene	M	2760	µg/kg	1									
Styrene	M	2760	µg/kg	1									
Tribromomethane	U	2760	µg/kg	1									
Isopropylbenzene	M	2760	µg/kg	1									
Bromobenzene	M	2760	µg/kg	1									
1,2,3-Trichloropropane	N	2760	µg/kg	50									
N-Propylbenzene	U	2760	µg/kg	1									
2-Chlorotoluene	M	2760	µg/kg	1									
1,3,5-Trimethylbenzene	M	2760	µg/kg	1									
4-Chlorotoluene	U	2760	µg/kg	1									
Tert-Butylbenzene	U	2760	µg/kg	1									
1,2,4-Trimethylbenzene	M	2760	µg/kg	1									
Sec-Butylbenzene	U	2760	µg/kg	1									
1,3-Dichlorobenzene	M	2760	µg/kg	1									

Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited													
Quotation No.:				**Chemtest Job No.:**	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Order No.: 18672				**Chemtest Sample ID.:**	124411	124412	124413	124414	124415	124416	124417	124418	124419
				Client Sample Ref.:									
				Client Sample ID.:	TP11	TP15	TP17	TP10	TP03	TP09	TP14	TP18	TP20
				Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):	0.4	0.1	0.1	0.4	0.2	0.3	0.2	0.2	0.3
				Bottom Depth(m):									
				Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
4-Isopropyltoluene	U	2760	µg/kg	1									
1,4-Dichlorobenzene	M	2760	µg/kg	1									
N-Butylbenzene	U	2760	µg/kg	1									
1,2-Dichlorobenzene	M	2760	µg/kg	1									
1,2-Dibromo-3-Chloropropane	U	2760	µg/kg	50									
1,2,4-Trichlorobenzene	M	2760	µg/kg	1									
Hexachlorobutadiene	U	2760	µg/kg	1									
1,2,3-Trichlorobenzene	U	2760	µg/kg	2									
Carbon Disulphide	N	2760	µg/kg	50									
Methyl Tert-Butyl Ether	M	2760	µg/kg	1									
N-Nitrosodimethylamine	N	2790	mg/kg	0.5									
Phenol	N	2790	mg/kg	0.5									
2-Chlorophenol	N	2790	mg/kg	0.5									
Bis-(2-Chloroethyl)Ether	N	2790	mg/kg	0.5									
1,3-Dichlorobenzene	N	2790	mg/kg	0.5									
1,4-Dichlorobenzene	N	2790	mg/kg	0.5									
1,2-Dichlorobenzene	N	2790	mg/kg	0.5									
2-Methylphenol	N	2790	mg/kg	0.5									
Bis(2-Chloroisopropyl)Ether	N	2790	mg/kg	0.5									
Hexachloroethane	N	2790	mg/kg	0.5									
N-Nitrosodi-n-propylamine	N	2790	mg/kg	0.5									
4-Methylphenol	N	2790	mg/kg	0.5									
Nitrobenzene	N	2790	mg/kg	0.5									
Isophorone	N	2790	mg/kg	0.5									
2-Nitrophenol	N	2790	mg/kg	0.5									
2,4-Dimethylphenol	N	2790	mg/kg	0.5									
Bis(2-Chloroethoxy)Methane	N	2790	mg/kg	0.5									
2,4-Dichlorophenol	N	2790	mg/kg	0.5									
1,2,4-Trichlorobenzene	N	2790	mg/kg	0.5									
Naphthalene	N	2790	mg/kg	0.5									
4-Chloroaniline	N	2790	mg/kg	0.5									
Hexachlorobutadiene	N	2790	mg/kg	0.5									

Chemtest
The right chemistry to deliver results

Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited													
Quotation No.:				**Chemtest Job No.:**	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Order No.: 18672				**Chemtest Sample ID.:**	124411	124412	124413	124414	124415	124416	124417	124418	124419
				Client Sample Ref.:									
				Client Sample ID.:	TP11	TP15	TP17	TP10	TP03	TP09	TP14	TP18	TP20
				Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):	0.4	0.1	0.1	0.4	0.2	0.3	0.2	0.2	0.3
				Bottom Depth(m):									
				Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
4-Chloro-3-Methylphenol	N	2790	mg/kg	0.5									
2-Methylnaphthalene	N	2790	mg/kg	0.5									
Hexachlorocyclopentadiene	N	2790	mg/kg	0.5									
2,4,6-Trichlorophenol	N	2790	mg/kg	0.5									
2,4,5-Trichlorophenol	N	2790	mg/kg	0.5									
2-Chloronaphthalene	N	2790	mg/kg	0.5									
2-Nitroaniline	N	2790	mg/kg	0.5									
Acenaphthylene	N	2790	mg/kg	0.5									
Dimethylphthalate	N	2790	mg/kg	0.5									
2,6-Dinitrotoluene	N	2790	mg/kg	0.5									
Acenaphthene	N	2790	mg/kg	0.5									
Dibenzofuran	N	2790	mg/kg	0.5									
4-Chlorophenylphenylether	N	2790	mg/kg	0.5									
2,4-Dinitrotoluene	N	2790	mg/kg	0.5									
Fluorene	N	2790	mg/kg	0.5									
Diethyl Phthalate	N	2790	mg/kg	0.5									
4-Nitroaniline	N	2790	mg/kg	0.5									
2-Methyl-4,6-Dinitrophenol	N	2790	mg/kg	0.5									
Azobenzene	N	2790	mg/kg	0.5									
4-Bromophenylphenyl Ether	N	2790	mg/kg	0.5									
Hexachlorobenzene	N	2790	mg/kg	0.5									
Pentachlorophenol	N	2790	mg/kg	0.5									
Phenanthrene	N	2790	mg/kg	0.5									
Anthracene	N	2790	mg/kg	0.5									
Carbazole	N	2790	mg/kg	0.5									
Di-N-Butyl Phthalate	N	2790	mg/kg	0.5									
Fluoranthene	N	2790	mg/kg	0.5									
Pyrene	N	2790	mg/kg	0.5									
Butylbenzyl Phthalate	N	2790	mg/kg	0.5									
Benzo[a]anthracene	N	2790	mg/kg	0.5									
Chrysene	N	2790	mg/kg	0.5									
Bis(2-Ethylhexyl)Phthalate	N	2790	mg/kg	0.5									

Chemtest
The right chemistry to deliver results

Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited												
Quotation No.:				**Chemtest Job No.:**	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Order No.: 18672				**Chemtest Sample ID.:**	124411	124412	124413	124414	124415	124416	124417	124418	124419
				Client Sample Ref.:									
				Client Sample ID.:	TP11	TP15	TP17	TP10	TP03	TP09	TP14	TP18	TP20
				Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):	0.4	0.1	0.1	0.4	0.2	0.3	0.2	0.2	0.3
				Bottom Depth(m):									
				Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Di-N-Octyl Phthalate	N	2790	mg/kg	0.5									
Benzo[b]fluoranthene	N	2790	mg/kg	0.5									
Benzo[k]fluoranthene	N	2790	mg/kg	0.5									
Benzo[a]pyrene	N	2790	mg/kg	0.5									
Indeno(1,2,3-c,d)Pyrene	N	2790	mg/kg	0.5									
Dibenz(a,h)Anthracene	N	2790	mg/kg	0.5									
Benzo[g,h,i]perylene	N	2790	mg/kg	0.5									
Naphthalene	M	2800	mg/kg	0.1				< 0.10	0.12	0.11	4.4	0.29	1.5
Acenaphthylene	N	2800	mg/kg	0.1				< 0.10	0.76	< 0.10	2.0	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.1				< 0.10	2.4	0.24	16	0.77	0.15
Fluorene	M	2800	mg/kg	0.1				< 0.10	2.0	0.16	16	0.67	0.14
Phenanthrene	M	2800	mg/kg	0.1				0.11	23	2.8	130	4.9	2.4
Anthracene	M	2800	mg/kg	0.1				< 0.10	7.9	0.91	40	1.4	0.52
Fluoranthene	M	2800	mg/kg	0.1				0.26	52	5.9	150	5.4	3.6
Pyrene	M	2800	mg/kg	0.1				0.21	44	5.1	120	3.9	2.7
Benzo[a]anthracene	M	2800	mg/kg	0.1				< 0.10	25	3.2	65	2.1	1.5
Chrysene	M	2800	mg/kg	0.1				< 0.10	24	2.6	63	2.0	1.5
Benzo[b]fluoranthene	M	2800	mg/kg	0.1				0.10	32	3.6	72	2.3	2.0
Benzo[k]fluoranthene	M	2800	mg/kg	0.1				< 0.10	13	1.3	29	0.81	0.67
Benzo[a]pyrene	M	2800	mg/kg	0.1				< 0.10	27	2.8	57	1.5	1.4
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.1				< 0.10	19	2.1	40	1.3	1.2
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.1				< 0.10	4.1	0.34	9.3	0.28	0.22
Benzo[g,h,i]perylene	M	2800	mg/kg	0.1				< 0.10	15	1.8	34	0.95	1.0
Total Of 16 PAH's	N	2800	mg/kg	2				< 2.0	290	33	850	29	21
PCB 28	M	2810	mg/kg	0.01									
PCB 52	M	2815	mg/kg	0.01									
PCB 101	M	2815	mg/kg	0.01									
PCB 118	M	2815	mg/kg	0.01									
PCB 153	M	2815	mg/kg	0.01									
PCB 138	M	2815	mg/kg	0.01									
PCB 180	M	2810	mg/kg	0.01									
Total PCBs (7 Congeners)	N	2815	mg/kg	0.1									

Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited												
				Chemtest Job No.:	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Quotation No.:				**Chemtest Sample ID.:**	124411	124412	124413	124414	124415	124416	124417	124418	124419
Order No.: 18672				Client Sample Ref.:									
				Client Sample ID.:	TP11	TP15	TP17	TP10	TP03	TP09	TP14	TP18	TP20
				Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):	0.4	0.1	0.1	0.4	0.2	0.3	0.2	0.2	0.3
				Bottom Depth(m):									
				Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Total Phenols	M	2920	mg/kg	0.3				< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30

Results Summary - Leachate

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited					Chemtest Job No.:	15-07750	15-07750	15-07750
Quotation No.:					Chemtest Sample ID.:	124404	124405	124406
Order No.: 18672					Client Sample Ref.:			
					Client Sample ID.:	TP06	TP11	TP15
					Sample Type:	SOIL	SOIL	SOIL
					Top Depth (m):	0.3	0.3	0.4
					Bottom Depth(m):			
					Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**				
Glycols	N		mg/l	0.1	< 0.1000	< 0.1000	< 0.1000
pH	U	1010			9.3	9.2	9.2
Nitrate	U	1220	mg/l	0.5	0.70	0.61	0.57
Sulphate	U	1220	mg/l	1	< 1.0	< 1.0	5.0
Cyanide (Total)	U	1300	mg/l	0.05	< 0.050	< 0.050	< 0.050
Cyanide (Free)	U	1300	mg/l	0.05	< 0.050	< 0.050	< 0.050
Cyanide (Complex)	U	1300	mg/l	0.05	< 0.050	< 0.050	< 0.050
Sulphide	U	1325	mg/l	0.05	< 0.050	< 0.050	< 0.050
Arsenic (Dissolved)	U	1450	µg/l	1	< 1.0	5.6	6.5
Beryllium (Dissolved)	U	1450	µg/l	1	< 1.0	< 1.0	< 1.0
Boron (Dissolved)	U	1450	µg/l	20	54	< 20	< 20
Cadmium (Dissolved)	U	1450	µg/l	0.08	< 0.080	< 0.080	< 0.080
Chromium (Dissolved)	U	1450	µg/l	1	< 1.0	< 1.0	1.2
Copper (Dissolved)	U	1450	µg/l	1	3.1	3.0	1.8
Mercury (Dissolved)	U	1450	µg/l	0.5	< 0.50	< 0.50	< 0.50
Nickel (Dissolved)	U	1450	µg/l	1	< 1.0	< 1.0	< 1.0
Lead (Dissolved)	U	1450	µg/l	1	12	12	7.2
Selenium (Dissolved)	U	1450	µg/l	1	1.3	1.8	2.1
Vanadium (Dissolved)	U	1450	µg/l	1	< 1.0	5.0	11
Zinc (Dissolved)	U	1450	µg/l	1	18	23	8.4
Aliphatic TPH >C5-C6	N	1675	µg/l	0.01	< 0.010	< 0.010	< 0.010
Aliphatic TPH >C6-C8	N	1675	µg/l	0.01	< 0.010	< 0.010	< 0.010
Aliphatic TPH >C8-C10	N	1675	µg/l	0.1	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C10-C12	N	1675	µg/l	0.1	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C12-C16	N	1675	µg/l	0.1	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C16-C21	N	1675	µg/l	0.1	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C21-C35	N	1675	µg/l	0.1	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C35-C44	N	1675	µg/l	0.1	< 0.10	< 0.10	< 0.10
Total Aliphatic Hydrocarbons	N	1675	µg/l	1	< 1.0	< 1.0	< 1.0
Aromatic TPH >C5-C7	N	1675	µg/l	0.01	< 0.010	< 0.010	< 0.010
Aromatic TPH >C7-C8	N	1675	µg/l	0.01	< 0.010	< 0.010	< 0.010
Aromatic TPH >C8-C10	N	1675	µg/l	0.1	< 0.10	< 0.10	< 0.10
Aromatic TPH >C10-C12	M	1675	µg/l	0.1	2.2	< 0.10	< 0.10

Results Summary - Leachate

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited					Chemtest Job No.:	15-07750	15-07750	15-07750
Quotation No.:					Chemtest Sample ID.:	124404	124405	124406
Order No.: 18672					Client Sample Ref.:			
					Client Sample ID.:	TP06	TP11	TP15
					Sample Type:	SOIL	SOIL	SOIL
					Top Depth (m):	0.3	0.3	0.4
					Bottom Depth(m):			
					Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**				
Aromatic TPH >C12-C16	N	1675	µg/l	0.1		31	2.7	2.7
Aromatic TPH >C16-C21	N	1675	µg/l	0.1		93	16	23
Aromatic TPH >C21-C35	M	1675	µg/l	0.1		66	13	20
Aromatic TPH >C35-C44	N	1675	µg/l	0.1		< 0.10	< 0.10	< 0.10
Total Aromatic Hydrocarbons	N	1675	µg/l	1		190	32	46
Total Petroleum Hydrocarbons	N	1675	µg/l	2		190	32	46
Naphthalene	U	1700	µg/l	0.1		< 0.10	< 0.10	< 0.10
Acenaphthylene	U	1700	µg/l	0.1		< 0.10	< 0.10	< 0.10
Acenaphthene	U	1700	µg/l	0.1		< 0.10	< 0.10	< 0.10
Fluorene	U	1700	µg/l	0.1		< 0.10	< 0.10	< 0.10
Phenanthrene	U	1700	µg/l	0.1		5.6	< 0.10	< 0.10
Anthracene	U	1700	µg/l	0.1		2.0	< 0.10	< 0.10
Fluoranthene	U	1700	µg/l	0.1		4.6	2.2	2.5
Pyrene	U	1700	µg/l	0.1		5.2	1.6	2.3
Benzo[a]anthracene	U	1700	µg/l	0.1		< 0.10	< 0.10	< 0.10
Chrysene	U	1700	µg/l	0.1		< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	1700	µg/l	0.1		< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	1700	µg/l	0.1		< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	1700	µg/l	0.1		< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	1700	µg/l	0.1		< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	1700	µg/l	0.1		< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	1700	µg/l	0.1		< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	U	1700	µg/l	2		18	3.8	4.8
Dichlorodifluoromethane	U	1760	µg/l	1		< 1.0	< 1.0	< 1.0
Chloromethane	U	1760	µg/l	1		< 1.0	< 1.0	< 1.0
Vinyl Chloride	N	1760	µg/l	1		< 1.0	< 1.0	< 1.0
Bromomethane	U	1760	µg/l	5		< 5	< 5	< 5
Chloroethane	U	1760	µg/l	2		< 2.0	< 2.0	< 2.0
Trichlorofluoromethane	U	1760	µg/l	1		< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	U	1760	µg/l	1		< 1.0	< 1.0	< 1.0
Trans 1,2-Dichloroethene	U	1760	µg/l	1		< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	U	1760	µg/l	1		< 1.0	< 1.0	< 1.0
cis 1,2-Dichloroethene	U	1760	µg/l	1		< 1.0	< 1.0	< 1.0

Results Summary - Leachate

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited							
Quotation No.:				**Chemtest Sample ID.:**	124404	124405	124406
Order No.: 18672				Client Sample Ref.:			
				Client Sample ID.:	TP06	TP11	TP15
				Sample Type:	SOIL	SOIL	SOIL
				Top Depth (m):	0.3	0.3	0.4
				Bottom Depth(m):			
				Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**			
Bromochloromethane	U	1760	µg/l	5	< 5.0	< 5.0	< 5.0
Trichloromethane	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
Tetrachloromethane	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
Benzene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	U	1760	µg/l	2	< 2.0	< 2.0	< 2.0
Trichloroethene	N	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
Dibromomethane	U	1760	µg/l	10	< 10	< 10	< 10
Bromodichloromethane	U	1760	µg/l	5	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene	N	1760	µg/l	10	< 10	< 10	< 10
Toluene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
Trans-1,3-Dichloropropene	N	1760	µg/l	10	< 10	< 10	< 10
1,1,2-Trichloroethane	U	1760	µg/l	10	< 10	< 10	< 10
Tetrachloroethene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	U	1760	µg/l	2	< 2.0	< 2.0	< 2.0
Dibromochloromethane	U	1760	µg/l	10	< 10	< 10	< 10
1,2-Dibromoethane	U	1760	µg/l	5	< 5.0	< 5.0	< 5.0
Chlorobenzene	N	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	U	1760	µg/l	2	< 2.0	< 2.0	< 2.0
Ethylbenzene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
m & p-Xylene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
o-Xylene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
Styrene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
Tribromomethane	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
Isopropylbenzene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
Bromobenzene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane	N	1760	µg/l	50	< 50	< 50	< 50
N-Propylbenzene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0

Results Summary - Leachate

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited							
Quotation No.:				**Chemtest Job No.:**	15-07750	15-07750	15-07750
Order No.: 18672				**Chemtest Sample ID.:**	124404	124405	124406
				Client Sample Ref.:			
				Client Sample ID.:	TP06	TP11	TP15
				Sample Type:	SOIL	SOIL	SOIL
				Top Depth (m):	0.3	0.3	0.4
				Bottom Depth(m):			
				Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**			
Tert-Butylbenzene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
Sec-Butylbenzene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	N	1760	µg/l	1	< 1.0	< 1.0	< 1.0
4-Isopropyltoluene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
N-Butylbenzene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-Chloropropane	U	1760	µg/l	50	< 50	< 50	< 50
1,2,4-Trichlorobenzene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,2,3-Trichlorobenzene	U	1760	µg/l	2	< 2.0	< 2.0	< 2.0
Carbon Disulphide	N	1760	µg/l	2	< 2	< 2	< 2
Methyl Tert-Butyl Ether	N	1760	µg/l	1	< 1.0	< 1.0	< 1.0
N-Nitrosodimethylamine	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Phenol	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
2-Chlorophenol	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Bis-(2-Chloroethyl)Ether	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
1,3-Dichlorobenzene	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
1,4-Dichlorobenzene	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
1,2-Dichlorobenzene	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
2-Methylphenol (o-Cresol)	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Bis(2-Chloroisopropyl)Ether	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Hexachloroethane	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
N-Nitrosodi-n-propylamine	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
4-Methylphenol	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Nitrobenzene	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Isophorone	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
2-Nitrophenol	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
2,4-Dimethylphenol	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Bis(2-Chloroethoxy)Methane	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
2,4-Dichlorophenol	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
1,2,4-Trichlorobenzene	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50

Results Summary - Leachate

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited					Chemtest Job No.:	15-07750	15-07750	15-07750
Quotation No.:					Chemtest Sample ID.:	124404	124405	124406
Order No.: 18672					Client Sample Ref.:			
					Client Sample ID.:	TP06	TP11	TP15
					Sample Type:	SOIL	SOIL	SOIL
					Top Depth (m):	0.3	0.3	0.4
					Bottom Depth(m):			
					Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**				
Naphthalene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
4-Chloroaniline	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Hexachlorobutadiene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
4-Chloro-3-Methylphenol	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
2-Methylnaphthalene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Hexachlorocyclopentadiene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
2,4,6-Trichlorophenol	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
2,4,5-Trichlorophenol	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
2-Chloronaphthalene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
2-Nitroaniline	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Acenaphthylene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Dimethylphthalate	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
2,6-Dinitrotoluene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Acenaphthene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Dibenzofuran	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
4-Chlorophenylphenylether	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
2,4-Dinitrotoluene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Fluorene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Diethyl Phthalate	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
4-Nitroaniline	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
2-Methyl-4,6-Dinitrophenol	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Azobenzene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
4-Bromophenylphenyl Ether	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Hexachlorobenzene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Pentachlorophenol	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Phenanthrene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Anthracene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Carbazole	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Di-N-Butyl Phthalate	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Fluoranthene	N	1790	µg/l	0.5		3.0	< 0.50	< 0.50
Pyrene	N	1790	µg/l	0.5		2.1	< 0.50	< 0.50
Butylbenzyl Phthalate	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Benzo[a]anthracene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50

Results Summary - Leachate

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited							
Quotation No.:				**Chemtest Job No.:**	15-07750	15-07750	15-07750
Order No.: 18672				**Chemtest Sample ID.:**	124404	124405	124406
				Client Sample Ref.:			
				Client Sample ID.:	TP06	TP11	TP15
				Sample Type:	SOIL	SOIL	SOIL
				Top Depth (m):	0.3	0.3	0.4
				Bottom Depth(m):			
				Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**			
Chrysene	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Bis(2-Ethylhexyl)Phthalate	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Di-N-Octyl Phthalate	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Benzo[b]fluoranthene	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Benzo[k]fluoranthene	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Benzo[a]pyrene	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Indeno(1,2,3-c,d)Pyrene	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Dibenz(a,h)Anthracene	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Benzo[g,h,i]perylene	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Naphthalene	U	1800	µg/l	0.1	< 0.10	< 0.10	< 0.10
Acenaphthylene	U	1800	µg/l	0.1	< 0.10	< 0.10	< 0.10
Acenaphthene	U	1800	µg/l	0.1	1.3	< 0.10	< 0.10
Fluorene	U	1800	µg/l	0.1	< 0.10	< 0.10	< 0.10
Phenanthrene	U	1800	µg/l	0.1	6.4	< 0.10	< 0.10
Anthracene	U	1800	µg/l	0.1	1.5	< 0.10	< 0.10
Fluoranthene	U	1800	µg/l	0.1	4.6	1.3	< 0.10
Pyrene	U	1800	µg/l	0.1	2.5	0.94	< 0.10
Benzo[a]anthracene	U	1800	µg/l	0.1	0.67	< 0.10	< 0.10
Chrysene	U	1800	µg/l	0.1	0.92	< 0.10	< 0.10
Benzo[b]fluoranthene	U	1800	µg/l	0.1	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	1800	µg/l	0.1	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	1800	µg/l	0.1	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	1800	µg/l	0.1	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	1800	µg/l	0.1	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	1800	µg/l	0.1	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	U	1800	µg/l	2	18	2.2	< 2.0
Total Phenols	U	1920	mg/l	0.03	< 0.030	< 0.030	< 0.030

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis
The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVCOs, PCBs, Phenols
For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at our Coventry laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container

Sample Retention and Disposal

All soil samples will be retained for a period of 60 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.co.uk

Chemtest Ltd.
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.co.uk

Final Report

Report Number:	15-07750 Issue-1
Initial Date of Issue:	09-Apr-2015
Client:	Soiltechnics Limited
Client Address:	Cedar Barn White Lodge Walgrave Northampton Northamptonshire NN6 9PY
Contact(s):	Rachel Brown Sara Bertholdson
Project:	STM3093A- Daedaws Park, Gosport

Quotation No.:		**Date Received:**	07-Apr-2015
Order No.:	18672	**Date Instructed:**	07-Apr-2015
No. of Samples:	20		
Turnaround: (Wkdays)	3	**Results Due Date:**	09-Apr-2015
Date Approved:	09-Apr-2015		

Approved By:



Details: Keith Jones, Technical Manager

Chemtest
The right chemistry to deliver results

Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited					Chemtest Job No.:	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Quotation No.:					Chemtest Sample ID.:	124400	124401	124402	124403	124404	124407	124408	124409	124410
Order No.: 18672					Client Sample Ref.:									
					Client Sample ID.:	Composite Madeground	TP10	TP13	TP08	TP06	CH01	TP12	TP19	TP01
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):		1.8	1.4	1.0	0.3	0.2	0.3	0.2	0.2
					Bottom Depth(m):									
					Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**										
ACM Type	U	2192								-		-		-
Asbestos Identification	U	2192	%	0.001						No Asbestos Detected		No Asbestos Detected		No Asbestos Detected
Moisture	N	2030	%	0.02	15	6.0	15	15	15	9.5	57	12		
Soil Colour	N				brown	yellow	brown	brown	brown	black	brown	brown		
Glycols	N		mg/kg	1						< 1.0	< 1.0	< 1.0		
Other Material	N				roots	stones	none	none	stones	clinker	stones roots	stones roots		
Soil Texture	N				loam	sand	clay	clay	loam	clinker	loam	loam		
pH	M	2010			6.8	8.0	7.8	7.9	8.1		8.2			
Boron (Hot Water Soluble)	M	2120	mg/kg	0.4					0.74		0.71			
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.01	< 0.010	< 0.010	< 0.010	< 0.010						
Total Sulphur	M	2175	%	0.01	0.030	0.010	0.010	0.010						
Cyanide (Total)	M	2300	mg/kg	0.5					< 0.50		< 0.50			
Cyanide (Free)	M	2300	mg/kg	0.5					< 0.50		< 0.50			
Cyanide (Complex)	M	2300	mg/kg	0.5					< 0.50		< 0.50			
Sulphate (Acid Soluble)	M	2430	%	0.01	0.043	< 0.010	0.011	0.017						
Arsenic	M	2450	mg/kg	1					5.7		2.0			
Beryllium	U	2450	mg/kg	1					< 1.0		< 1.0			
Cadmium	M	2450	mg/kg	0.1					0.84		0.24			
Chromium	M	2450	mg/kg	1					24		20			
Copper	M	2450	mg/kg	0.5					52		31			
Mercury	M	2450	mg/kg	0.1					0.19		0.55			
Nickel	M	2450	mg/kg	0.5					15		20			
Lead	M	2450	mg/kg	0.5					180		99			
Selenium	M	2450	mg/kg	0.2					< 0.20		< 0.20			
Vanadium	U	2450	mg/kg	5					34		35			
Zinc	M	2450	mg/kg	0.5					160		120			
Chromium (Hexavalent)	N	2490	mg/kg	0.5					< 0.50		< 0.50			
Organic Matter	M	2625	%	0.4					4.7	3.6	4.7	2.9		
Total Organic Carbon	M	2625	%	0.2						2.1	2.7	1.7		
Aliphatic TPH >C5-C6	N	2675	mg/kg	0.01						< 0.010	< 0.010	< 0.010		
Aliphatic TPH >C6-C8	N	2675	mg/kg	0.01						< 0.010	< 0.010	< 0.010		

Chemtest
The right chemistry to deliver results

Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited					Chemtest Job No.:	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Quotation No.:					Chemtest Sample ID.:	124400	124401	124402	124403	124404	124407	124408	124409	124410
Order No.: 18672					Client Sample Ref.:									
					Client Sample ID.:	Composite Madeground	TP10	TP13	TP08	TP06	CH01	TP12	TP19	TP01
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):		1.8	1.4	1.0	0.3	0.2	0.3	0.2	0.2
					Bottom Depth(m):									
					Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**										
Aliphatic TPH >C8-C10	N	2675	mg/kg	0.1							< 0.10	< 0.10	< 0.10	
Aliphatic TPH >C10-C12	N	2675	mg/kg	0.1							< 0.10	< 0.10	< 0.10	
Aliphatic TPH >C12-C16	N	2675	mg/kg	0.1							< 0.10	< 0.10	< 0.10	
Aliphatic TPH >C16-C21	N	2675	mg/kg	0.1							< 0.10	< 0.10	< 0.10	
Aliphatic TPH >C21-C35	N	2675	mg/kg	0.1							< 0.10	< 0.10	< 0.10	
Aliphatic TPH >C35-C44	N	2675	mg/kg	0.1							< 0.10	< 0.10	< 0.10	
Total Aliphatic Hydrocarbons	N	2675	mg/kg	1							< 1.0	< 1.0	< 1.0	
Aromatic TPH >C5-C7	N	2675	mg/kg	0.01							< 0.010	< 0.010	< 0.010	
Aromatic TPH >C7-C8	N	2675	mg/kg	0.01							< 0.010	< 0.010	< 0.010	
Aromatic TPH >C8-C10	N	2675	mg/kg	0.1							< 0.10	< 0.10	< 0.10	
Aromatic TPH >C10-C12	N	2675	mg/kg	0.1							0.37	3.8	< 0.10	
Aromatic TPH >C12-C16	N	2675	mg/kg	0.1							11	30	8.5	
Aromatic TPH >C16-C21	N	2675	mg/kg	0.1							26	48	13	
Aromatic TPH >C21-C35	N	2675	mg/kg	0.1							40	110	25	
Aromatic TPH >C35-C44	N	2675	mg/kg	0.1							1.1	6.4	< 0.10	
Total Aromatic Hydrocarbons	N	2675	mg/kg	1							79	200	46	
Total Petroleum Hydrocarbons	N	2675	mg/kg	2							79	200	46	
Dichlorodifluoromethane	U	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Chloromethane	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Vinyl Chloride	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Bromomethane	M	2760	µg/kg	20							< 20	< 20	< 20	
Chloroethane	U	2760	µg/kg	2							< 2.0	< 2.0	< 2.0	
Trichlorofluoromethane	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,1-Dichloroethene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Trans 1,2-Dichloroethene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,1-Dichloroethane	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
cis 1,2-Dichloroethene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Bromochloromethane	U	2760	µg/kg	5							< 5.0	< 5.0	< 5.0	
Trichloromethane	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,1,1-Trichloroethane	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Tetrachloromethane	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,1-Dichloropropene	U	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	

Chemtest
The right chemistry to deliver results

Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited					Chemtest Job No.:	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Quotation No.:					Chemtest Sample ID.:	124400	124401	124402	124403	124404	124407	124408	124409	124410
Order No.: 18672					Client Sample Ref.:									
					Client Sample ID.:	Composite Madeground	TP10	TP13	TP08	TP06	CH01	TP12	TP19	TP01
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):		1.8	1.4	1.0	0.3	0.2	0.3	0.2	0.2
					Bottom Depth(m):									
					Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**										
Benzene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,2-Dichloroethane	M	2760	µg/kg	2							< 2.0	< 2.0	< 2.0	
Trichloroethene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,2-Dichloropropane	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Dibromomethane	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Bromodichloromethane	M	2760	µg/kg	5							< 5.0	< 5.0	< 5.0	
cis-1,3-Dichloropropene	N	2760	µg/kg	10							< 10	< 10	< 10	
Toluene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Trans-1,3-Dichloropropene	N	2760	µg/kg	10							< 10	< 10	< 10	
1,1,2-Trichloroethane	M	2760	µg/kg	10							< 10	< 10	< 10	
Tetrachloroethene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,3-Dichloropropane	U	2760	µg/kg	2							< 2.0	< 2.0	< 2.0	
Dibromochloromethane	U	2760	µg/kg	10							< 10	< 10	< 10	
1,2-Dibromoethane	M	2760	µg/kg	5							< 5.0	< 5.0	< 5.0	
Chlorobenzene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,1,1,2-Tetrachloroethane	M	2760	µg/kg	2							< 2.0	< 2.0	< 2.0	
Ethylbenzene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
m & p-Xylene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
o-Xylene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Styrene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Tribromomethane	U	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Isopropylbenzene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Bromobenzene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,2,3-Trichloropropane	N	2760	µg/kg	50							< 50	< 50	< 50	
N-Propylbenzene	U	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
2-Chlorotoluene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,3,5-Trimethylbenzene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
4-Chlorotoluene	U	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Tert-Butylbenzene	U	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,2,4-Trimethylbenzene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Sec-Butylbenzene	U	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,3-Dichlorobenzene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	

Chemtest
The right chemistry to deliver results

Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited					Chemtest Job No.:	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Quotation No.:					Chemtest Sample ID.:	124400	124401	124402	124403	124404	124407	124408	124409	124410
Order No.: 18672					Client Sample Ref.:									
					Client Sample ID.:	Composite Madeground	TP10	TP13	TP08	TP06	CH01	TP12	TP19	TP01
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):		1.8	1.4	1.0	0.3	0.2	0.3	0.2	0.2
					Bottom Depth(m):									
					Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**										
4-Isopropyltoluene	U	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,4-Dichlorobenzene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
N-Butylbenzene	U	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,2-Dichlorobenzene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,2-Dibromo-3-Chloropropane	U	2760	µg/kg	50							< 50	< 50	< 50	
1,2,4-Trichlorobenzene	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
Hexachlorobutadiene	U	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
1,2,3-Trichlorobenzene	U	2760	µg/kg	2							< 2.0	< 2.0	< 2.0	
Carbon Disulphide	N	2760	µg/kg	50							< 50	< 50	< 50	
Methyl Tert-Butyl Ether	M	2760	µg/kg	1							< 1.0	< 1.0	< 1.0	
N-Nitrosodimethylamine	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Phenol	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
2-Chlorophenol	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Bis-(2-Chloroethyl)Ether	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
1,3-Dichlorobenzene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
1,4-Dichlorobenzene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
1,2-Dichlorobenzene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
2-Methylphenol	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Bis(2-Chloroisopropyl)Ether	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Hexachloroethane	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
N-Nitrosodi-n-propylamine	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
4-Methylphenol	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Nitrobenzene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Isophorone	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
2-Nitrophenol	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
2,4-Dimethylphenol	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Bis(2-Chloroethoxy)Methane	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
2,4-Dichlorophenol	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
1,2,4-Trichlorobenzene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Naphthalene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
4-Chloroaniline	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Hexachlorobutadiene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	

Chemtest
The right chemistry to deliver results

Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited					Chemtest Job No.:	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Quotation No.:					Chemtest Sample ID.:	124400	124401	124402	124403	124404	124407	124408	124409	124410
Order No.: 18672					Client Sample Ref.:									
					Client Sample ID.:	Composite Madeground	TP10	TP13	TP08	TP06	CH01	TP12	TP19	TP01
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):		1.8	1.4	1.0	0.3	0.2	0.3	0.2	0.2
					Bottom Depth(m):									
					Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**										
4-Chloro-3-Methylphenol	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
2-Methylnaphthalene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Hexachlorocyclopentadiene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
2,4,6-Trichlorophenol	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
2,4,5-Trichlorophenol	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
2-Chloronaphthalene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
2-Nitroaniline	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Acenaphthylene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Dimethylphthalate	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
2,6-Dinitrotoluene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Acenaphthene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Dibenzofuran	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
4-Chlorophenylphenylether	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
2,4-Dinitrotoluene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Fluorene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Diethyl Phthalate	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
4-Nitroaniline	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
2-Methyl-4,6-Dinitrophenol	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Azobenzene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
4-Bromophenylphenyl Ether	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Hexachlorobenzene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Pentachlorophenol	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Phenanthrene	N	2790	mg/kg	0.5							< 0.50	1.4	< 0.50	
Anthracene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Carbazole	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Di-N-Butyl Phthalate	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Fluoranthene	N	2790	mg/kg	0.5							< 0.50	5.1	< 0.50	
Pyrene	N	2790	mg/kg	0.5							< 0.50	4.2	< 0.50	
Butylbenzyl Phthalate	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Benzo[a]anthracene	N	2790	mg/kg	0.5							< 0.50	2.8	< 0.50	
Chrysene	N	2790	mg/kg	0.5							< 0.50	2.6	< 0.50	
Bis(2-Ethylhexyl)Phthalate	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	

Chemtest
The right chemistry to deliver results

Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited					Chemtest Job No.:	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Quotation No.:					Chemtest Sample ID.:	124400	124401	124402	124403	124404	124407	124408	124409	124410
Order No.: 18672					Client Sample Ref.:									
					Client Sample ID.:	Composite Madeground	TP10	TP13	TP08	TP06	CH01	TP12	TP19	TP01
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):		1.8	1.4	1.0	0.3	0.2	0.3	0.2	0.2
					Bottom Depth(m):									
					Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**										
Di-N-Octyl Phthalate	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Benzo[b]fluoranthene	N	2790	mg/kg	0.5							< 0.50	4.2	< 0.50	
Benzo[k]fluoranthene	N	2790	mg/kg	0.5							< 0.50	1.3	< 0.50	
Benzo[a]pyrene	N	2790	mg/kg	0.5							< 0.50	2.8	< 0.50	
Indeno(1,2,3-c,d)Pyrene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Dibenz(a,h)Anthracene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Benzo[g,h,i]perylene	N	2790	mg/kg	0.5							< 0.50	< 0.50	< 0.50	
Naphthalene	M	2800	mg/kg	0.1						0.18		< 0.10		
Acenaphthylene	N	2800	mg/kg	0.1						0.17		< 0.10		
Acenaphthene	M	2800	mg/kg	0.1						0.70		0.21		
Fluorene	M	2800	mg/kg	0.1						0.78		0.17		
Phenanthrene	M	2800	mg/kg	0.1						14		3.7		
Anthracene	M	2800	mg/kg	0.1						4.4		1.3		
Fluoranthene	M	2800	mg/kg	0.1						27		8.8		
Pyrene	M	2800	mg/kg	0.1						22		7.5		
Benzo[a]anthracene	M	2800	mg/kg	0.1						12		5.0		
Chrysene	M	2800	mg/kg	0.1						11		4.5		
Benzo[b]fluoranthene	M	2800	mg/kg	0.1						13		5.8		
Benzo[k]fluoranthene	M	2800	mg/kg	0.1						5.5		2.5		
Benzo[a]pyrene	M	2800	mg/kg	0.1						11		5.0		
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.1						7.3		3.7		
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.1						1.5		0.68		
Benzo[g,h,i]perylene	M	2800	mg/kg	0.1						6.5		3.0		
Total Of 16 PAH's	N	2800	mg/kg	2						140		52		
PCB 28	M	2810	mg/kg	0.01							< 0.010	< 0.010	< 0.010	
PCB 52	M	2815	mg/kg	0.01							< 0.010	< 0.010	< 0.010	
PCB 101	M	2815	mg/kg	0.01							< 0.010	< 0.010	< 0.010	
PCB 118	M	2815	mg/kg	0.01							< 0.010	< 0.010	< 0.010	
PCB 153	M	2815	mg/kg	0.01							< 0.010	< 0.010	< 0.010	
PCB 138	M	2815	mg/kg	0.01							< 0.010	< 0.010	< 0.010	
PCB 180	M	2810	mg/kg	0.01							< 0.010	< 0.010	< 0.010	
Total PCBs (7 Congeners)	N	2815	mg/kg	0.1							< 0.10	< 0.10	< 0.10	

Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited					Chemtest Job No.:	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Quotation No.:					Chemtest Sample ID.:	124400	124401	124402	124403	124404	124407	124408	124409	124410
Order No.: 18672					Client Sample Ref.:									
					Client Sample ID.:	Composite Madeground	TP10	TP13	TP08	TP06	CH01	TP12	TP19	TP01
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):		1.8	1.4	1.0	0.3	0.2	0.3	0.2	0.2
					Bottom Depth(m):									
					Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**										
Total Phenols	M	2920	mg/kg	0.3						< 0.30		< 0.30		

Chemtest
The right chemistry to deliver results

Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited					15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Quotation No.:					124411	124412	124413	124414	124415	124416	124417	124418	124419
Order No.: 18672													
					TP11	TP15	TP17	TP10	TP03	TP09	TP14	TP18	TP20
					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					0.4	0.1	0.1	0.4	0.2	0.3	0.2	0.2	0.3
					31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
ACM Type	U	2192			-	-	-	-	-	-	-	-	-
Asbestos Identification	U	2192	%	0.001	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture	N	2030	%	0.02				16	11	23	9.4	12	15
Soil Colour	N							brown	brown	brown	brown	brown	brown
Glycols	N		mg/kg	1									
Other Material	N							stones roots	stones roots	stones roots	stones roots	stones roots	clinker
Soil Texture	N							loam	loam	loam	loam	loam	loam
pH	M	2010						6.1	8.7	8.1	8.2	6.4	7.8
Boron (Hot Water Soluble)	M	2120	mg/kg	0.4				0.51	0.66	1.0	0.56	0.77	0.89
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.01									
Total Sulphur	M	2175	%	0.01									
Cyanide (Total)	M	2300	mg/kg	0.5				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cyanide (Free)	M	2300	mg/kg	0.5				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cyanide (Complex)	M	2300	mg/kg	0.5				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Sulphate (Acid Soluble)	M	2430	%	0.01									
Arsenic	M	2450	mg/kg	1				< 1.0	16	3.9	18	< 1.0	5.0
Beryllium	U	2450	mg/kg	1				< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.0
Cadmium	M	2450	mg/kg	0.1				0.10	0.38	0.29	0.36	0.16	0.30
Chromium	M	2450	mg/kg	1				26	21	23	24	24	28
Copper	M	2450	mg/kg	0.5				22	28	38	21	32	43
Mercury	M	2450	mg/kg	0.1				< 0.10	0.14	0.13	0.26	0.23	0.19
Nickel	M	2450	mg/kg	0.5				14	15	17	17	16	21
Lead	M	2450	mg/kg	0.5				49	72	300	71	93	120
Selenium	M	2450	mg/kg	0.2				0.29	< 0.20	< 0.20	< 0.20	0.35	0.31
Vanadium	U	2450	mg/kg	5				35	31	41	34	33	39
Zinc	M	2450	mg/kg	0.5				100	72	120	87	77	160
Chromium (Hexavalent)	N	2490	mg/kg	0.5				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Organic Matter	M	2625	%	0.4				1.4	5.5	5.3	6.0	2.9	14
Total Organic Carbon	M	2625	%	0.2									
Aliphatic TPH >C5-C6	N	2675	mg/kg	0.01									
Aliphatic TPH >C6-C8	N	2675	mg/kg	0.01									

Chemtest
The right chemistry to deliver results

Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited													
Quotation No.:				**Chemtest Job No.:**	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Order No.: 18672				**Chemtest Sample ID.:**	124411	124412	124413	124414	124415	124416	124417	124418	124419
				Client Sample Ref.:									
				Client Sample ID.:	TP11	TP15	TP17	TP10	TP03	TP09	TP14	TP18	TP20
				Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):	0.4	0.1	0.1	0.4	0.2	0.3	0.2	0.2	0.3
				Bottom Depth(m):									
				Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Aliphatic TPH >C8-C10	N	2675	mg/kg	0.1									
Aliphatic TPH >C10-C12	N	2675	mg/kg	0.1									
Aliphatic TPH >C12-C16	N	2675	mg/kg	0.1									
Aliphatic TPH >C16-C21	N	2675	mg/kg	0.1									
Aliphatic TPH >C21-C35	N	2675	mg/kg	0.1									
Aliphatic TPH >C35-C44	N	2675	mg/kg	0.1									
Total Aliphatic Hydrocarbons	N	2675	mg/kg	1									
Aromatic TPH >C5-C7	N	2675	mg/kg	0.01									
Aromatic TPH >C7-C8	N	2675	mg/kg	0.01									
Aromatic TPH >C8-C10	N	2675	mg/kg	0.1									
Aromatic TPH >C10-C12	N	2675	mg/kg	0.1									
Aromatic TPH >C12-C16	N	2675	mg/kg	0.1									
Aromatic TPH >C16-C21	N	2675	mg/kg	0.1									
Aromatic TPH >C21-C35	N	2675	mg/kg	0.1									
Aromatic TPH >C35-C44	N	2675	mg/kg	0.1									
Total Aromatic Hydrocarbons	N	2675	mg/kg	1									
Total Petroleum Hydrocarbons	N	2675	mg/kg	2									
Dichlorodifluoromethane	U	2760	µg/kg	1									
Chloromethane	M	2760	µg/kg	1									
Vinyl Chloride	M	2760	µg/kg	1									
Bromomethane	M	2760	µg/kg	20									
Chloroethane	U	2760	µg/kg	2									
Trichlorofluoromethane	M	2760	µg/kg	1									
1,1-Dichloroethene	M	2760	µg/kg	1									
Trans 1,2-Dichloroethene	M	2760	µg/kg	1									
1,1-Dichloroethane	M	2760	µg/kg	1									
cis 1,2-Dichloroethene	M	2760	µg/kg	1									
Bromochloromethane	U	2760	µg/kg	5									
Trichloromethane	M	2760	µg/kg	1									
1,1,1-Trichloroethane	M	2760	µg/kg	1									
Tetrachloromethane	M	2760	µg/kg	1									
1,1-Dichloropropene	U	2760	µg/kg	1									

Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited														
Quotation No.:				**Chemtest Job No.:**	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Order No.: 18672				**Chemtest Sample ID.:**	124411	124412	124413	124414	124415	124416	124417	124418	124419
				Client Sample Ref.:									
				Client Sample ID.:	TP11	TP15	TP17	TP10	TP03	TP09	TP14	TP18	TP20
				Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):	0.4	0.1	0.1	0.4	0.2	0.3	0.2	0.2	0.3
				Bottom Depth(m):									
				Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Benzene	M	2760	µg/kg	1									
1,2-Dichloroethane	M	2760	µg/kg	2									
Trichloroethene	M	2760	µg/kg	1									
1,2-Dichloropropane	M	2760	µg/kg	1									
Dibromomethane	M	2760	µg/kg	1									
Bromodichloromethane	M	2760	µg/kg	5									
cis-1,3-Dichloropropene	N	2760	µg/kg	10									
Toluene	M	2760	µg/kg	1									
Trans-1,3-Dichloropropene	N	2760	µg/kg	10									
1,1,2-Trichloroethane	M	2760	µg/kg	10									
Tetrachloroethene	M	2760	µg/kg	1									
1,3-Dichloropropane	U	2760	µg/kg	2									
Dibromochloromethane	U	2760	µg/kg	10									
1,2-Dibromoethane	M	2760	µg/kg	5									
Chlorobenzene	M	2760	µg/kg	1									
1,1,1,2-Tetrachloroethane	M	2760	µg/kg	2									
Ethylbenzene	M	2760	µg/kg	1									
m & p-Xylene	M	2760	µg/kg	1									
o-Xylene	M	2760	µg/kg	1									
Styrene	M	2760	µg/kg	1									
Tribromomethane	U	2760	µg/kg	1									
Isopropylbenzene	M	2760	µg/kg	1									
Bromobenzene	M	2760	µg/kg	1									
1,2,3-Trichloropropane	N	2760	µg/kg	50									
N-Propylbenzene	U	2760	µg/kg	1									
2-Chlorotoluene	M	2760	µg/kg	1									
1,3,5-Trimethylbenzene	M	2760	µg/kg	1									
4-Chlorotoluene	U	2760	µg/kg	1									
Tert-Butylbenzene	U	2760	µg/kg	1									
1,2,4-Trimethylbenzene	M	2760	µg/kg	1									
Sec-Butylbenzene	U	2760	µg/kg	1									
1,3-Dichlorobenzene	M	2760	µg/kg	1									

Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited													
Quotation No.:				**Chemtest Job No.:**	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Order No.: 18672				**Chemtest Sample ID.:**	124411	124412	124413	124414	124415	124416	124417	124418	124419
				Client Sample Ref.:									
				Client Sample ID.:	TP11	TP15	TP17	TP10	TP03	TP09	TP14	TP18	TP20
				Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):	0.4	0.1	0.1	0.4	0.2	0.3	0.2	0.2	0.3
				Bottom Depth(m):									
				Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
4-Isopropyltoluene	U	2760	µg/kg	1									
1,4-Dichlorobenzene	M	2760	µg/kg	1									
N-Butylbenzene	U	2760	µg/kg	1									
1,2-Dichlorobenzene	M	2760	µg/kg	1									
1,2-Dibromo-3-Chloropropane	U	2760	µg/kg	50									
1,2,4-Trichlorobenzene	M	2760	µg/kg	1									
Hexachlorobutadiene	U	2760	µg/kg	1									
1,2,3-Trichlorobenzene	U	2760	µg/kg	2									
Carbon Disulphide	N	2760	µg/kg	50									
Methyl Tert-Butyl Ether	M	2760	µg/kg	1									
N-Nitrosodimethylamine	N	2790	mg/kg	0.5									
Phenol	N	2790	mg/kg	0.5									
2-Chlorophenol	N	2790	mg/kg	0.5									
Bis-(2-Chloroethyl)Ether	N	2790	mg/kg	0.5									
1,3-Dichlorobenzene	N	2790	mg/kg	0.5									
1,4-Dichlorobenzene	N	2790	mg/kg	0.5									
1,2-Dichlorobenzene	N	2790	mg/kg	0.5									
2-Methylphenol	N	2790	mg/kg	0.5									
Bis(2-Chloroisopropyl)Ether	N	2790	mg/kg	0.5									
Hexachloroethane	N	2790	mg/kg	0.5									
N-Nitrosodi-n-propylamine	N	2790	mg/kg	0.5									
4-Methylphenol	N	2790	mg/kg	0.5									
Nitrobenzene	N	2790	mg/kg	0.5									
Isophorone	N	2790	mg/kg	0.5									
2-Nitrophenol	N	2790	mg/kg	0.5									
2,4-Dimethylphenol	N	2790	mg/kg	0.5									
Bis(2-Chloroethoxy)Methane	N	2790	mg/kg	0.5									
2,4-Dichlorophenol	N	2790	mg/kg	0.5									
1,2,4-Trichlorobenzene	N	2790	mg/kg	0.5									
Naphthalene	N	2790	mg/kg	0.5									
4-Chloroaniline	N	2790	mg/kg	0.5									
Hexachlorobutadiene	N	2790	mg/kg	0.5									

Chemtest
The right chemistry to deliver results

Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited													
Quotation No.:				**Chemtest Job No.:**	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Order No.: 18672				**Chemtest Sample ID.:**	124411	124412	124413	124414	124415	124416	124417	124418	124419
				Client Sample Ref.:									
				Client Sample ID.:	TP11	TP15	TP17	TP10	TP03	TP09	TP14	TP18	TP20
				Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):	0.4	0.1	0.1	0.4	0.2	0.3	0.2	0.2	0.3
				Bottom Depth(m):									
				Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
4-Chloro-3-Methylphenol	N	2790	mg/kg	0.5									
2-Methylnaphthalene	N	2790	mg/kg	0.5									
Hexachlorocyclopentadiene	N	2790	mg/kg	0.5									
2,4,6-Trichlorophenol	N	2790	mg/kg	0.5									
2,4,5-Trichlorophenol	N	2790	mg/kg	0.5									
2-Chloronaphthalene	N	2790	mg/kg	0.5									
2-Nitroaniline	N	2790	mg/kg	0.5									
Acenaphthylene	N	2790	mg/kg	0.5									
Dimethylphthalate	N	2790	mg/kg	0.5									
2,6-Dinitrotoluene	N	2790	mg/kg	0.5									
Acenaphthene	N	2790	mg/kg	0.5									
Dibenzofuran	N	2790	mg/kg	0.5									
4-Chlorophenylphenylether	N	2790	mg/kg	0.5									
2,4-Dinitrotoluene	N	2790	mg/kg	0.5									
Fluorene	N	2790	mg/kg	0.5									
Diethyl Phthalate	N	2790	mg/kg	0.5									
4-Nitroaniline	N	2790	mg/kg	0.5									
2-Methyl-4,6-Dinitrophenol	N	2790	mg/kg	0.5									
Azobenzene	N	2790	mg/kg	0.5									
4-Bromophenylphenyl Ether	N	2790	mg/kg	0.5									
Hexachlorobenzene	N	2790	mg/kg	0.5									
Pentachlorophenol	N	2790	mg/kg	0.5									
Phenanthrene	N	2790	mg/kg	0.5									
Anthracene	N	2790	mg/kg	0.5									
Carbazole	N	2790	mg/kg	0.5									
Di-N-Butyl Phthalate	N	2790	mg/kg	0.5									
Fluoranthene	N	2790	mg/kg	0.5									
Pyrene	N	2790	mg/kg	0.5									
Butylbenzyl Phthalate	N	2790	mg/kg	0.5									
Benzo[a]anthracene	N	2790	mg/kg	0.5									
Chrysene	N	2790	mg/kg	0.5									
Bis(2-Ethylhexyl)Phthalate	N	2790	mg/kg	0.5									

Chemtest
The right chemistry to deliver results

Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited												
Quotation No.:				**Chemtest Job No.:**	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Order No.: 18672				**Chemtest Sample ID.:**	124411	124412	124413	124414	124415	124416	124417	124418	124419
				Client Sample Ref.:									
				Client Sample ID.:	TP11	TP15	TP17	TP10	TP03	TP09	TP14	TP18	TP20
				Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):	0.4	0.1	0.1	0.4	0.2	0.3	0.2	0.2	0.3
				Bottom Depth(m):									
				Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Di-N-Octyl Phthalate	N	2790	mg/kg	0.5									
Benzo[b]fluoranthene	N	2790	mg/kg	0.5									
Benzo[k]fluoranthene	N	2790	mg/kg	0.5									
Benzo[a]pyrene	N	2790	mg/kg	0.5									
Indeno(1,2,3-c,d)Pyrene	N	2790	mg/kg	0.5									
Dibenz(a,h)Anthracene	N	2790	mg/kg	0.5									
Benzo[g,h,i]perylene	N	2790	mg/kg	0.5									
Naphthalene	M	2800	mg/kg	0.1				< 0.10	0.12	0.11	4.4	0.29	1.5
Acenaphthylene	N	2800	mg/kg	0.1				< 0.10	0.76	< 0.10	2.0	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.1				< 0.10	2.4	0.24	16	0.77	0.15
Fluorene	M	2800	mg/kg	0.1				< 0.10	2.0	0.16	16	0.67	0.14
Phenanthrene	M	2800	mg/kg	0.1				0.11	23	2.8	130	4.9	2.4
Anthracene	M	2800	mg/kg	0.1				< 0.10	7.9	0.91	40	1.4	0.52
Fluoranthene	M	2800	mg/kg	0.1				0.26	52	5.9	150	5.4	3.6
Pyrene	M	2800	mg/kg	0.1				0.21	44	5.1	120	3.9	2.7
Benzo[a]anthracene	M	2800	mg/kg	0.1				< 0.10	25	3.2	65	2.1	1.5
Chrysene	M	2800	mg/kg	0.1				< 0.10	24	2.6	63	2.0	1.5
Benzo[b]fluoranthene	M	2800	mg/kg	0.1				0.10	32	3.6	72	2.3	2.0
Benzo[k]fluoranthene	M	2800	mg/kg	0.1				< 0.10	13	1.3	29	0.81	0.67
Benzo[a]pyrene	M	2800	mg/kg	0.1				< 0.10	27	2.8	57	1.5	1.4
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.1				< 0.10	19	2.1	40	1.3	1.2
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.1				< 0.10	4.1	0.34	9.3	0.28	0.22
Benzo[g,h,i]perylene	M	2800	mg/kg	0.1				< 0.10	15	1.8	34	0.95	1.0
Total Of 16 PAH's	N	2800	mg/kg	2				< 2.0	290	33	850	29	21
PCB 28	M	2810	mg/kg	0.01									
PCB 52	M	2815	mg/kg	0.01									
PCB 101	M	2815	mg/kg	0.01									
PCB 118	M	2815	mg/kg	0.01									
PCB 153	M	2815	mg/kg	0.01									
PCB 138	M	2815	mg/kg	0.01									
PCB 180	M	2810	mg/kg	0.01									
Total PCBs (7 Congeners)	N	2815	mg/kg	0.1									

Results Summary - Soil

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited												
				Chemtest Job No.:	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750	15-07750
Quotation No.:				**Chemtest Sample ID.:**	124411	124412	124413	124414	124415	124416	124417	124418	124419
Order No.: 18672				Client Sample Ref.:									
				Client Sample ID.:	TP11	TP15	TP17	TP10	TP03	TP09	TP14	TP18	TP20
				Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):	0.4	0.1	0.1	0.4	0.2	0.3	0.2	0.2	0.3
				Bottom Depth(m):									
				Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Total Phenols	M	2920	mg/kg	0.3				< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30

Results Summary - Leachate

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited					Chemtest Job No.:	15-07750	15-07750	15-07750
Quotation No.:					Chemtest Sample ID.:	124404	124405	124406
Order No.: 18672					Client Sample Ref.:			
					Client Sample ID.:	TP06	TP11	TP15
					Sample Type:	SOIL	SOIL	SOIL
					Top Depth (m):	0.3	0.3	0.4
					Bottom Depth(m):			
					Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**				
Glycols	N		mg/l	0.1	< 0.1000	< 0.1000	< 0.1000
pH	U	1010			9.3	9.2	9.2
Nitrate	U	1220	mg/l	0.5	0.70	0.61	0.57
Sulphate	U	1220	mg/l	1	< 1.0	< 1.0	5.0
Cyanide (Total)	U	1300	mg/l	0.05	< 0.050	< 0.050	< 0.050
Cyanide (Free)	U	1300	mg/l	0.05	< 0.050	< 0.050	< 0.050
Cyanide (Complex)	U	1300	mg/l	0.05	< 0.050	< 0.050	< 0.050
Sulphide	U	1325	mg/l	0.05	< 0.050	< 0.050	< 0.050
Arsenic (Dissolved)	U	1450	µg/l	1	< 1.0	5.6	6.5
Beryllium (Dissolved)	U	1450	µg/l	1	< 1.0	< 1.0	< 1.0
Boron (Dissolved)	U	1450	µg/l	20	54	< 20	< 20
Cadmium (Dissolved)	U	1450	µg/l	0.08	< 0.080	< 0.080	< 0.080
Chromium (Dissolved)	U	1450	µg/l	1	< 1.0	< 1.0	1.2
Copper (Dissolved)	U	1450	µg/l	1	3.1	3.0	1.8
Mercury (Dissolved)	U	1450	µg/l	0.5	< 0.50	< 0.50	< 0.50
Nickel (Dissolved)	U	1450	µg/l	1	< 1.0	< 1.0	< 1.0
Lead (Dissolved)	U	1450	µg/l	1	12	12	7.2
Selenium (Dissolved)	U	1450	µg/l	1	1.3	1.8	2.1
Vanadium (Dissolved)	U	1450	µg/l	1	< 1.0	5.0	11
Zinc (Dissolved)	U	1450	µg/l	1	18	23	8.4
Aliphatic TPH >C5-C6	N	1675	µg/l	0.01	< 0.010	< 0.010	< 0.010
Aliphatic TPH >C6-C8	N	1675	µg/l	0.01	< 0.010	< 0.010	< 0.010
Aliphatic TPH >C8-C10	N	1675	µg/l	0.1	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C10-C12	N	1675	µg/l	0.1	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C12-C16	N	1675	µg/l	0.1	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C16-C21	N	1675	µg/l	0.1	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C21-C35	N	1675	µg/l	0.1	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C35-C44	N	1675	µg/l	0.1	< 0.10	< 0.10	< 0.10
Total Aliphatic Hydrocarbons	N	1675	µg/l	1	< 1.0	< 1.0	< 1.0
Aromatic TPH >C5-C7	N	1675	µg/l	0.01	< 0.010	< 0.010	< 0.010
Aromatic TPH >C7-C8	N	1675	µg/l	0.01	< 0.010	< 0.010	< 0.010
Aromatic TPH >C8-C10	N	1675	µg/l	0.1	< 0.10	< 0.10	< 0.10
Aromatic TPH >C10-C12	M	1675	µg/l	0.1	2.2	< 0.10	< 0.10

Results Summary - Leachate

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited					Chemtest Job No.:	15-07750	15-07750	15-07750
Quotation No.:					Chemtest Sample ID.:	124404	124405	124406
Order No.: 18672					Client Sample Ref.:			
					Client Sample ID.:	TP06	TP11	TP15
					Sample Type:	SOIL	SOIL	SOIL
					Top Depth (m):	0.3	0.3	0.4
					Bottom Depth(m):			
					Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**				
Aromatic TPH >C12-C16	N	1675	µg/l	0.1		31	2.7	2.7
Aromatic TPH >C16-C21	N	1675	µg/l	0.1		93	16	23
Aromatic TPH >C21-C35	M	1675	µg/l	0.1		66	13	20
Aromatic TPH >C35-C44	N	1675	µg/l	0.1		< 0.10	< 0.10	< 0.10
Total Aromatic Hydrocarbons	N	1675	µg/l	1		190	32	46
Total Petroleum Hydrocarbons	N	1675	µg/l	2		190	32	46
Naphthalene	U	1700	µg/l	0.1		< 0.10	< 0.10	< 0.10
Acenaphthylene	U	1700	µg/l	0.1		< 0.10	< 0.10	< 0.10
Acenaphthene	U	1700	µg/l	0.1		< 0.10	< 0.10	< 0.10
Fluorene	U	1700	µg/l	0.1		< 0.10	< 0.10	< 0.10
Phenanthrene	U	1700	µg/l	0.1		5.6	< 0.10	< 0.10
Anthracene	U	1700	µg/l	0.1		2.0	< 0.10	< 0.10
Fluoranthene	U	1700	µg/l	0.1		4.6	2.2	2.5
Pyrene	U	1700	µg/l	0.1		5.2	1.6	2.3
Benzo[a]anthracene	U	1700	µg/l	0.1		< 0.10	< 0.10	< 0.10
Chrysene	U	1700	µg/l	0.1		< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	1700	µg/l	0.1		< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	1700	µg/l	0.1		< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	1700	µg/l	0.1		< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	1700	µg/l	0.1		< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	1700	µg/l	0.1		< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	1700	µg/l	0.1		< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	U	1700	µg/l	2		18	3.8	4.8
Dichlorodifluoromethane	U	1760	µg/l	1		< 1.0	< 1.0	< 1.0
Chloromethane	U	1760	µg/l	1		< 1.0	< 1.0	< 1.0
Vinyl Chloride	N	1760	µg/l	1		< 1.0	< 1.0	< 1.0
Bromomethane	U	1760	µg/l	5		< 5	< 5	< 5
Chloroethane	U	1760	µg/l	2		< 2.0	< 2.0	< 2.0
Trichlorofluoromethane	U	1760	µg/l	1		< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	U	1760	µg/l	1		< 1.0	< 1.0	< 1.0
Trans 1,2-Dichloroethene	U	1760	µg/l	1		< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	U	1760	µg/l	1		< 1.0	< 1.0	< 1.0
cis 1,2-Dichloroethene	U	1760	µg/l	1		< 1.0	< 1.0	< 1.0

Results Summary - Leachate

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited							
Quotation No.:				**Chemtest Sample ID.:**	124404	124405	124406
Order No.: 18672				Client Sample Ref.:			
				Client Sample ID.:	TP06	TP11	TP15
				Sample Type:	SOIL	SOIL	SOIL
				Top Depth (m):	0.3	0.3	0.4
				Bottom Depth(m):			
				Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**			
Bromochloromethane	U	1760	µg/l	5	< 5.0	< 5.0	< 5.0
Trichloromethane	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
Tetrachloromethane	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
Benzene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	U	1760	µg/l	2	< 2.0	< 2.0	< 2.0
Trichloroethene	N	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
Dibromomethane	U	1760	µg/l	10	< 10	< 10	< 10
Bromodichloromethane	U	1760	µg/l	5	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene	N	1760	µg/l	10	< 10	< 10	< 10
Toluene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
Trans-1,3-Dichloropropene	N	1760	µg/l	10	< 10	< 10	< 10
1,1,2-Trichloroethane	U	1760	µg/l	10	< 10	< 10	< 10
Tetrachloroethene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	U	1760	µg/l	2	< 2.0	< 2.0	< 2.0
Dibromochloromethane	U	1760	µg/l	10	< 10	< 10	< 10
1,2-Dibromoethane	U	1760	µg/l	5	< 5.0	< 5.0	< 5.0
Chlorobenzene	N	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	U	1760	µg/l	2	< 2.0	< 2.0	< 2.0
Ethylbenzene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
m & p-Xylene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
o-Xylene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
Styrene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
Tribromomethane	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
Isopropylbenzene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
Bromobenzene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane	N	1760	µg/l	50	< 50	< 50	< 50
N-Propylbenzene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0

Results Summary - Leachate

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited							
Quotation No.:				**Chemtest Job No.:**	15-07750	15-07750	15-07750
Order No.: 18672				**Chemtest Sample ID.:**	124404	124405	124406
				Client Sample Ref.:			
				Client Sample ID.:	TP06	TP11	TP15
				Sample Type:	SOIL	SOIL	SOIL
				Top Depth (m):	0.3	0.3	0.4
				Bottom Depth(m):			
				Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**			
Tert-Butylbenzene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
Sec-Butylbenzene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	N	1760	µg/l	1	< 1.0	< 1.0	< 1.0
4-Isopropyltoluene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
N-Butylbenzene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-Chloropropane	U	1760	µg/l	50	< 50	< 50	< 50
1,2,4-Trichlorobenzene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	U	1760	µg/l	1	< 1.0	< 1.0	< 1.0
1,2,3-Trichlorobenzene	U	1760	µg/l	2	< 2.0	< 2.0	< 2.0
Carbon Disulphide	N	1760	µg/l	2	< 2	< 2	< 2
Methyl Tert-Butyl Ether	N	1760	µg/l	1	< 1.0	< 1.0	< 1.0
N-Nitrosodimethylamine	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Phenol	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
2-Chlorophenol	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Bis-(2-Chloroethyl)Ether	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
1,3-Dichlorobenzene	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
1,4-Dichlorobenzene	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
1,2-Dichlorobenzene	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
2-Methylphenol (o-Cresol)	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Bis(2-Chloroisopropyl)Ether	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Hexachloroethane	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
N-Nitrosodi-n-propylamine	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
4-Methylphenol	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Nitrobenzene	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Isophorone	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
2-Nitrophenol	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
2,4-Dimethylphenol	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Bis(2-Chloroethoxy)Methane	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
2,4-Dichlorophenol	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
1,2,4-Trichlorobenzene	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50

Results Summary - Leachate

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited					Chemtest Job No.:	15-07750	15-07750	15-07750
Quotation No.:					Chemtest Sample ID.:	124404	124405	124406
Order No.: 18672					Client Sample Ref.:			
					Client Sample ID.:	TP06	TP11	TP15
					Sample Type:	SOIL	SOIL	SOIL
					Top Depth (m):	0.3	0.3	0.4
					Bottom Depth(m):			
					Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**				
Naphthalene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
4-Chloroaniline	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Hexachlorobutadiene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
4-Chloro-3-Methylphenol	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
2-Methylnaphthalene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Hexachlorocyclopentadiene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
2,4,6-Trichlorophenol	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
2,4,5-Trichlorophenol	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
2-Chloronaphthalene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
2-Nitroaniline	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Acenaphthylene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Dimethylphthalate	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
2,6-Dinitrotoluene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Acenaphthene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Dibenzofuran	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
4-Chlorophenylphenylether	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
2,4-Dinitrotoluene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Fluorene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Diethyl Phthalate	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
4-Nitroaniline	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
2-Methyl-4,6-Dinitrophenol	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Azobenzene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
4-Bromophenylphenyl Ether	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Hexachlorobenzene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Pentachlorophenol	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Phenanthrene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Anthracene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Carbazole	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Di-N-Butyl Phthalate	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Fluoranthene	N	1790	µg/l	0.5		3.0	< 0.50	< 0.50
Pyrene	N	1790	µg/l	0.5		2.1	< 0.50	< 0.50
Butylbenzyl Phthalate	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50
Benzo[a]anthracene	N	1790	µg/l	0.5		< 0.50	< 0.50	< 0.50

Results Summary - Leachate

Project: STM3093A- Daedaws Park, Gosport

Client: Soiltechnics Limited							
Quotation No.:				**Chemtest Job No.:**	15-07750	15-07750	15-07750
Order No.: 18672				**Chemtest Sample ID.:**	124404	124405	124406
				Client Sample Ref.:			
				Client Sample ID.:	TP06	TP11	TP15
				Sample Type:	SOIL	SOIL	SOIL
				Top Depth (m):	0.3	0.3	0.4
				Bottom Depth(m):			
				Date Sampled:	31-Mar-15	31-Mar-15	31-Mar-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**			
Chrysene	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Bis(2-Ethylhexyl)Phthalate	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Di-N-Octyl Phthalate	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Benzo[b]fluoranthene	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Benzo[k]fluoranthene	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Benzo[a]pyrene	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Indeno(1,2,3-c,d)Pyrene	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Dibenz(a,h)Anthracene	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Benzo[g,h,i]perylene	N	1790	µg/l	0.5	< 0.50	< 0.50	< 0.50
Naphthalene	U	1800	µg/l	0.1	< 0.10	< 0.10	< 0.10
Acenaphthylene	U	1800	µg/l	0.1	< 0.10	< 0.10	< 0.10
Acenaphthene	U	1800	µg/l	0.1	1.3	< 0.10	< 0.10
Fluorene	U	1800	µg/l	0.1	< 0.10	< 0.10	< 0.10
Phenanthrene	U	1800	µg/l	0.1	6.4	< 0.10	< 0.10
Anthracene	U	1800	µg/l	0.1	1.5	< 0.10	< 0.10
Fluoranthene	U	1800	µg/l	0.1	4.6	1.3	< 0.10
Pyrene	U	1800	µg/l	0.1	2.5	0.94	< 0.10
Benzo[a]anthracene	U	1800	µg/l	0.1	0.67	< 0.10	< 0.10
Chrysene	U	1800	µg/l	0.1	0.92	< 0.10	< 0.10
Benzo[b]fluoranthene	U	1800	µg/l	0.1	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	1800	µg/l	0.1	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	1800	µg/l	0.1	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	1800	µg/l	0.1	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	1800	µg/l	0.1	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	1800	µg/l	0.1	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	U	1800	µg/l	2	18	2.2	< 2.0
Total Phenols	U	1920	mg/l	0.03	< 0.030	< 0.030	< 0.030

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis
The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVCOs, PCBs, Phenols
For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at our Coventry laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container

Sample Retention and Disposal

All soil samples will be retained for a period of 60 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.co.uk

Chemtest Ltd.
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.co.uk

Final Report

Report Number:	15-07834 Issue-1
Initial Date of Issue:	16-Apr-2015
Client:	Soiltechnics Limited
Client Address:	Cedar Barn White Lodge Walgrave Northampton Northamptonshire NN6 9PY
Contact(s):	Rachel Brown
Project:	STM3093A Daedalus Park, Gosport

Quotation No.:		**Date Received:**	07-Apr-2015
Order No.:	18671	**Date Instructed:**	07-Apr-2015
No. of Samples:	1		
Turnaround: (Wkdays)	7	**Results Due Date:**	15-Apr-2015
Date Approved:	16-Apr-2015		

Approved By:



Details: Darrell Hall, Laboratory Director

Results Summary - 2 Stage WAC

Project: STM3093A Daedalus Park, Gosport

Chemtest Job No: 15-07834 Chemtest Sample ID: 125053 Sample Ref: Composite Sample ID: Made ground Top Depth(m): Bottom Depth(m): Sampling Date: 31-Mar-2015							Landfill Waste Acceptance Criteria Limits		
Determinand	**SOP**	**Accred.**	**Units**				**Inert Waste Landfill**	**Stable Non-reactive Hazardous waste in non-hazardous**	**Hazardous Waste Landfill**
Total Organic Carbon	2625	U	%			2	3	5	6
Loss on Ignition	2610	U	%			5.2	--	--	10
Total BTEX	2760	U	mg/kg			< 0.01	6	--	--
Total PCBs (7 congeners)	2815	U	mg/kg			< 0.10	1	--	--
TPH Total WAC (Mineral Oil)	2670	U	mg/kg			44	500	--	--
Total (of 17) PAHs	2700	N	mg/kg			27	100	--	--
pH	2010	U				8.2	--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg			0.3	--	To evaluate	To evaluate
Eluate Analysis			**2:1 mg/l**	**8:1 mg/l**	**2:1 mg/kg**	**Cumulative 10:1 mg/kg**	**Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg**		
Arsenic	1450	U	< 0.001	< 0.001	< 0.050	< 0.050	0.5	2	25
Barium	1450	U	0.006	0.003	< 0.50	< 0.50	20	100	300
Cadmium	1450	U	< 0.00010	< 0.00010	< 0.010	< 0.010	0.04	1	5
Chromium	1450	U	< 0.001	< 0.001	< 0.050	< 0.050	0.5	10	70
Copper	1450	U	0.003	< 0.001	< 0.050	< 0.050	2	50	100
Mercury	1450	U	< 0.0005	< 0.0005	< 0.001	< 0.005	0.01	0.2	2
Molybdenum	1450	U	< 0.001	< 0.001	< 0.050	< 0.050	0.5	10	30
Nickel	1450	U	0.001	0.001	< 0.050	< 0.050	0.4	10	40
Lead	1450	U	0.002	0.001	< 0.010	0.012	0.5	10	50
Antimony	1450	U	< 0.001	< 0.001	< 0.010	< 0.010	0.06	0.7	5
Selenium	1450	U	< 0.001	< 0.001	< 0.010	< 0.010	0.1	0.5	7
Zinc	1450	U	0.006	0.005	< 0.50	< 0.50	4	50	200
Chloride	1220	U	2.9	1.4	< 10	16	800	15000	25000
Fluoride	1220	U	0.1	0.092	< 1.0	< 1.0	10	150	500
Sulphate	1220	U	8.9	< 1.0	17	12	1000	20000	50000
Total Dissolved Solids	1020	N	43	13	84	170	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.030	< 0.30	< 0.50	1	-	-
Dissolved Organic Carbon	1610	U	3.2	< 2.5	< 50	< 50	500	800	1000

Soild Information	
Dry mass of test portion/kg	0.175
Moisture (%)	17

Leachate Test Information	
Leachant volume 1st extract/l	0.314
Leachant volume 2nd extract/l	1.4
Eluant recovered from 1st extract/l	0.234

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis
The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVCOs, PCBs, Phenols
For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at our Coventry laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container

Sample Retention and Disposal

All soil samples will be retained for a period of 60 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.co.uk

soiltechnics
environmental and geotechnical consultants

Analysis of test data in relation to concentrations of inorganic chemical contaminants

Adopted Model: Industrial/Commercial
Receptor: Proposed site user and construction operatives

Test procedure			Summary of test data					Initial comparison	Outlier test					Normality test			UCL	
Contaminant	Guideline source	Guideline value mg/kg	No. of tests	Min. mg/kg	Max. mg/kg	Mean mg/kg	No. of tests above guideline value	Initial screening	Pass outlier test?	Number of outliers	Location of outlier	Depth	Concentration mg/kg	Shapiro-Wilk Normality test	Probability plot test	Data normally distributed?	95% UCL of mean mg/kg	Contaminant
Arsenic	SGV	640	8	1.0	18.0	6.6	0	Mean value below guideline	y					not normal	not normal	n	16.9	**Arsenic**
Beryllium	GAC	420	8	1.0	1.0	1.0	0	Mean value below guideline	y					not normal	not normal	n	1.0	**Beryllium**
Boron	GAC	192000	8	0.5	1.0	0.7	0	Mean value below guideline	y					normal	normal	y	0.8	**Boron**
Cadmium	SGV	230	8	0.1	0.8	0.3	0	Mean value below guideline	n					not normal	not normal	n	0.7	**Cadmium**
Chromium	GAC	30400	8	20.0	28.0	23.8	0	Mean value below guideline	y					normal	normal	y	25.5	**Chromium**
Copper	GAC	71700	8	21.0	52.0	33.4	0	Mean value below guideline	y					normal	normal	y	40.4	**Copper**
Cyanide (total)	ATK	34	8	0.5	0.5	0.5	0	Mean value below guideline	y					not normal	not normal	n	0.5	**Cyanide (total)**
Lead	ATK	6490	8	49.0	300.0	123.0	0	Mean value below guideline	n					not normal	normal	y	177.8	**Lead**
Mercury#	SGV	26	8	0.1	0.6	0.2	0	Mean value below guideline	n					not normal	not normal	n	0.4	**Mercury#**
Nickel	SGV	1800	8	14.0	21.0	16.9	0	Mean value below guideline	y					normal	normal	y	18.5	**Nickel**
Selenium	SGV	13000	8	0.2	0.4	0.2	0	Mean value below guideline	y					not normal	not normal	n	0.3	**Selenium**
Vanadium	GAC	3160	8	31.0	41.0	35.3	0	Mean value below guideline	y					normal	not normal	n	40.2	**Vanadium**
Zinc	GAC	665000	8	72.0	160.0	112.0	0	Mean value below guideline	y					normal	normal	y	135.1	**Zinc**

SGV	Soil Guideline Value as published by the Environment Agency 2009
GAC	Generic Assessment Criterion as published by LQM and CIEH
SSV	Soil Screening Value as derived by Soiltechnics
ATK	Soil Screening Value derived by Atkins
NGV	No Guideline Value
BPG5	Guideline from BPG Note 5 as published by Forest Research
#	Assumed to be elemental mercury as initial screening value

Title	Table number
Analysis of test data in relation to concentrations of inorganic chemical contaminants.	1

soiltechnics
environmental and geotechnical consultants

Analysis of test data in relation to concentrations of organic chemical contaminants

Adopted model: Industrial/Commercial
Receptor: Proposed site users, construction operatives and vegetation

Test procedure			Summary of test data					Initial Screening	Outlier test				Normality test			UCL	
Contaminant	Guideline source	Guideline value mg/kg	No. of tests	Min. mg/kg	Max. mg/kg	Mean mg/kg	No. of tests above guideline value	Initial screening	Pass outlier test?	Number of outliers	Location of outlier	Depth / Concentration mg/kg	Shapiro-Wilk Normality test	Probability plot test	Data normally distributed?	95% UCL of mean mg/kg	Contaminant
Acenaphthene	GAC	85000	8	0.1	16.0	2.6	0	Mean value below guideline	n				not normal	not normal	n	11.0	**Acenaphthene**
Acenaphthylene	GAC	84000	8	0.1	2.0	0.4	0	Mean value below guideline	n				not normal	not normal	n	1.5	**Acenaphthylene**
Anthracene	GAC	530000	8	0.1	40.0	7.1	0	Mean value below guideline	n				not normal	not normal	n	28.0	**Anthracene**
Benzo(a)anthracene	GAC	90	8	0.1	65.0	14.2	0	Mean value below guideline	n				not normal	not normal	n	48.3	**Benzo(a)anthracene**
Benzo(a)pyrene	GAC	14	8	0.1	57.0	13.2	2	Mean value below guideline	n				not normal	not normal	n	43.7	**Benzo(a)pyrene**
Benzo(b)fluoranthene	GAC	100	8	0.1	72.0	16.4	0	Mean value below guideline	n				not normal	not normal	n	54.5	**Benzo(b)fluoranthene**
Benzo(g,h,i)perylene	GAC	650	8	0.1	34.0	7.8	0	Mean value below guideline	n				not normal	not normal	n	25.8	**Benzo(g,h,i)perylene**
Benzo(k)fluoranthene	GAC	140	8	0.1	29.0	6.6	0	Mean value below guideline	n				not normal	not normal	n	22.0	**Benzo(k)fluoranthene**
Chrysene	GAC	140	8	0.1	63.0	13.6	0	Mean value below guideline	n				not normal	not normal	n	46.7	**Chrysene**
Dibenzo(a,h)anthracene	GAC	13	8	0.1	40.0	9.3	2	Mean value below guideline	n				not normal	not normal	n	30.6	**Dibenzo(a,h)anthracene**
Fluoranthene	GAC	23000	8	0.3	150.0	31.6	0	Mean value below guideline	n				not normal	not normal	n	110.0	**Fluoranthene**
Fluorene	GAC	64000	8	0.1	16.0	2.5	0	Mean value below guideline	n				not normal	not normal	n	11.0	**Fluorene**
Indeno(1,2,3-cd)pyrene	GAC	60	8	0.1	9.3	2.1	0	Mean value below guideline	n				not normal	not normal	n	7.0	**Indeno(1,2,3-cd)pyrene**
Naphthalene	GAC	200	8	0.1	4.4	0.9	0	Mean value below guideline	n				not normal	not normal	n	3.2	**Naphthalene**
Phenanthrene	GAC	22000	8	0.1	130.0	22.6	0	Mean value below guideline	n				not normal	not normal	n	90.5	**Phenanthrene**
Phenols	SGV	3200	8	0.3	0.3	0.3	0	Mean value below guideline	y				not normal	not normal	n	0.3	**Phenols**
Pyrene	GAC	54000	8	0.2	120.0	25.7	0	Mean value below guideline	n				not normal	not normal	n	88.6	**Pyrene**

Notes

SGV	Soil Guideline Value as published by the Environment Agency
GAC	Generic Assessment Criterion as published by LQM and CIEH
SSV	Soil Screening Value as derived by Soiltechnics
NGV	No Guideline Value

Title
Analysis of test data in relation to concentrations of organic chemical contaminants.

Table number
2

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Analysis of test data in relation to concentrations of inorganic chemical contaminants

Adopted Model: Industrial/Commercial and BPG5
Receptor: Vegetation

Test procedure			Summary of test data					Initial comparison	Outlier test				Normality test			UCL	
Contaminant	Guideline source	Guideline value mg/kg	No. of tests	Min. mg/kg	Max. mg/kg	Mean mg/kg	No. of tests above guideline value	Initial screening	Pass outlier test?	Number of outliers	Location of outlier	Depth	Concentration mg/kg	Shapiro-Wilk Normality test	Probability plot test	Data normally distributed?	95% UCL of mean mg/kg	Contaminant
Arsenic	SGV	640	8	1.0	18.0	6.6	0	Mean value below guideline	y					not normal	not normal	n	16.9	**Arsenic**
Beryllium	GAC	420	8	1.0	1.0	1.0	0	Mean value below guideline	y					not normal	not normal	n	1.0	**Beryllium**
Boron	GAC	192000	8	0.5	1.0	0.7	0	Mean value below guideline	y					normal	normal	y	0.8	**Boron**
Cadmium	SGV	230	8	0.1	0.8	0.3	0	Mean value below guideline	n					not normal	not normal	n	0.7	**Cadmium**
Chromium	GAC	30400	8	20.0	28.0	23.8	0	Mean value below guideline	y					normal	normal	y	25.5	**Chromium**
Copper	BPG5	130	8	21.0	52.0	33.4	0	Mean value below guideline	y					normal	normal	y	40.4	**Copper**
Cyanide (total)	ATK	34	8	0.5	0.5	0.5	0	Mean value below guideline	y					not normal	not normal	n	0.5	**Cyanide (total)**
Lead	ATK	6490	8	49.0	300.0	123.0	0	Mean value below guideline	n					not normal	normal	y	177.8	**Lead**
Mercury#	SGV	26	8	0.1	0.6	0.2	0	Mean value below guideline	n					not normal	not normal	n	0.4	**Mercury#**
Nickel	SGV	1800	8	14.0	21.0	16.9	0	Mean value below guideline	y					normal	normal	y	18.5	**Nickel**
Selenium	SGV	13000	8	0.2	0.4	0.2	0	Mean value below guideline	y					not normal	not normal	n	0.3	**Selenium**
Vanadium	GAC	3160	8	31.0	41.0	35.3	0	Mean value below guideline	y					normal	not normal	n	40.2	**Vanadium**
Zinc	BPG5	300	8	72.0	160.0	112.0	0	Mean value below guideline	y					normal	normal	y	135.1	**Zinc**

SGV	Soil Guideline Value as published by the Environment Agency 2009
GAC	Generic Assessment Criterion as published by LQM and CIEH
SSV	Soil Screening Value as derived by Soiltechnics
ATK	Soil Screening Value derived by Atkins
NGV	No Guideline Value
BPG5	Guideline from BPG Note 5 as published by Forest Research
#	Assumed to be elemental mercury as initial screening value

Title	Table number
Analysis of test data in relation to concentrations of inorganic chemical contaminants.	1

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Summary of petroleum hydrocarbon test results

BTEX (Red highlights indicate exceedance of guideline value)

Indicator	unit	Guideline value	Concentration		
			CH01	TP12	TP19
			0.20	0.3	0.2
Benzene	mg/kg	95	< 1.0	< 1.0	< 1.0
Toluene	mg/kg	4400	< 1.0	< 1.0	< 1.0
Ethylbenzene	mg/kg	2800	< 1.0	< 1.0	< 1.0
o-Xylene	mg/kg	2600	< 1.0	< 1.0	< 1.0
m,p-Xylene	mg/kg	3200	< 1.0	< 1.0	< 1.0

Hydrocarbon banding (Red highlights indicate exceedance of GAC value)

Fraction	unit	GAC	Concentration		
			CH01	TP12	TP19
			0.20	0.3	0.2
Aliphatic					
EC 5 - 6	mg/kg	6200	< 0.010	< 0.010	< 0.010
EC >6 - 8	mg/kg	18000	< 0.010	< 0.010	< 0.010
EC >8 - 10	mg/kg	5100	< 0.10	< 0.10	< 0.10
EC >10 - 12	mg/kg	24000	< 0.10	< 0.10	< 0.10
EC >12 - 16	mg/kg	83000	< 0.10	< 0.10	< 0.10
EC >16 - 35	mg/kg	1800000	< 0.10	< 0.10	< 0.10
EC >35 - 44	mg/kg	1800000	< 0.10	< 0.10	< 0.10
Aromatic					
EC 5 - 7 (benzene)	mg/kg	49000	< 0.010	< 0.010	< 0.010
EC >7 - 8 (toluene)	mg/kg	110000	< 0.010	< 0.010	< 0.010
EC >8 - 10	mg/kg	8600	< 0.10	< 0.10	< 0.10
EC >10 - 12	mg/kg	29000	0.37	3.8	< 0.1
EC >12 - 16	mg/kg	37000	11	30	8.5
EC >16 - 21	mg/kg	28000	26	48	13
EC >21 - 35	mg/kg	28000	40	110	25
EC >35 - 44	mg/kg	28000	1.1	6.4	< 0.1

Notes

1. Generic Assessment Criteria (GAC) as presented in "Generic Assessment Criteria for Human Health Risk Assessment" published by Land Quality Management (LQM) and the Chartered Institute of Environmental Health (CIEH).

Title	Table number
Comparison of measured concentrations of petroleum hydrocarbons with guideline values.	04

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Summary of leachate test results

Receptor	**Groundwater**		
Water type	**Freshwater**		
Fish type	**Salmonid**		
Water hardness	**>250**	**mg/l**	**(recorded at a concentration of 308mg/l by Portsmouth Water)[$]**

Contaminant	Guideline value (µg/l)	Guideline source	Location	TP06	TP11	TP15
			Depth (m)	0.3	0.3	0.4
Inorganics (µg/l)						
Arsenic	50	EQS (f)		< 1.0	6	7
Boron	2000	EQS (f)		54	<20	<20
Cadmium	5	EQS (f)		< 0.080	< 0.080	< 0.080
Chromium	50	EQS (f)		< 1.0	< 1.0	1
Copper	28	EQS (f)		3	3	2
Lead	20	EQS (f)		12	12	7
Mercury	1	EQS (f)		< 0.50	< 0.50	< 0.50
Nickel	200	EQS (f)		< 1.0	< 1.0	< 1.0
Selenium[1]	10	UKDWS		1	2	2
Vanadium[2]	60	EQS (f)		< 1.0	5	11
Zinc	125	EQS (f)		18	23	8
Free Cyanide[1]	50	UKDWS		<50	<50	<50
Nitrate as N	50000	UKDWS		700	610	570
Sulphate as SO4	400000	EQS(f)		<10000	<10000	5000
PAH (µg/l)						
Benzo(a)pyrene[1,4]	0.01	UKDWS		< 0.10	< 0.10	< 0.10
Naphthalene[2]	10	EQS (f)		< 0.10	< 0.10	< 0.10
Sum of 4 PAH[1]	0.1	UKDWS		<0.1*	<0.1*	<0.1*
TPH (µg/l)						
Hydrocarbons[1]	10	UKDWS		190	32	46
Benzene	30	EQS (f)		< 1.0	< 1.0	< 1.0
Toluene[2]	50	EQS (f)		< 1.0	< 1.0	< 1.0
Ethyl benzene[3]	300	WHO		< 1.0	< 1.0	< 1.0
Xylene[2]	30	EQS (f)		< 1.0	< 1.0	< 1.0

Notes

1 EQS values not available
2 UKDWS not available
3 Lower detectable limit above UKDWS. Concentrations below detectable limits are not considered further.
* Taken as lower detection limit
# Taken as lower detection limit of a single compound
$ Hardness data presented on Portsmouth Water website for the Gosport area

UKDWS UK Drinking Water Standard Guideline taken from "The Water Supply (Water Quality) Regulations 2000"
EQS (f) Environmental Quality Standard for freshwater published by the Environment Agency
EQS (s) Environmental Quality Standard for saltwater published by the Environment Agency

Title	Table number
Comparison of measured concentrations with guideline values for water receptors.	05

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Updated Conceptual Model

Current site use commercial/industrial
Proposed site use commercial/industrial

Source	Pathway										Receptor		Risk assessment to CIRIA C552	
	Humans						Vegetation	Water					Consequence of risk occurring via most likely pathway	Risk
	Ingestion of air-borne dusts	Ingestion of soil	Ingestion of vegetables and soil attached to vegetables	Inhalation of air-borne dusts	Inhalation of vapours	Dermal contact with soil and dust	Root uptake, deposition to shoots and foliage contact	Percolation of water through contaminated soils	Near-surface water run-off through contaminated	Saturation of contaminated soils by flood waters				
Soils														
Historical site use - part of HMS Daedalus	Likely	Low likelihood	Unlikely	Likely	Likely	Likely	-	-	-	-	Proposed site users	Adult	Minor	Low
	Likely	Likely	Unlikely	Likely	Likely	Likely	-	-	-	-	Construction operatives	Adult	Medium	Moderate
	-	-	-	-	-	-	Low likelihood	-	-	-	Vegetation (proposed)	-	Minor	Very low
Made Ground	Likely	Low likelihood	Unlikely	Likely	Likely	Likely	-	-	-	-	Proposed site users	Adult	Mild	Low/moderate
	Likely	Likely	Unlikely	Likely	Likely	Likely	-	-	-	-	Construction operatives	Adult	Medium	Moderate
	-	-	-	-	-	-	Low likelihood	-	-	-	Vegetation (proposed)	-	Mild	Low
Adjacent site uses	Likely	Low likelihood	Unlikely	Likely	Likely	Likely	-	-	-	-	Proposed site users	Adult	Minor	Low
	Likely	Likely	Unlikely	Likely	Likely	Likely	-	-	-	-	Construction operatives	Adult	Minor	Low
	-	-	-	-	-	-	Low likelihood	-	-	-	Vegetation (proposed)	-	Mild	Low
Leachate														
Historical site use - part of HMS	-	-	-	-	-	-	-	Likely	Unlikely	Unlikely	Water (current)	-	Medium	Moderate
	-	-	-	-	-	-	-	Low likelihood	Unlikely	Unlikely	Water (proposed)	-	Medium	Low/moderate
Made Ground	-	-	-	-	-	-	-	Likely	Unlikely	Unlikely	Water (current)	-	Medium	Moderate
	-	-	-	-	-	-	-	Low likelihood	Unlikely	Unlikely	Water (proposed)	-	Medium	Low/moderate

Title
Updated Conceptual Site Model

Table number
2

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Record of in-situ gas and water level monitoring results

Date/Time	Location	Atmospheric pressure (mB)	Temperature (°C)	Methane, CH_4 (%v/v) *Chg*		Carbon Dioxide, CO_2 (%v/v) *Chg*		Oxygen, O_2 (%v/v)		Balance	Lower Explosive Limit	Gas Flow (q)	Peak hazardous gas flow rate *Qhgs*		Steady hazardous gas flow rate *Qhgs*		NHBC Guideline	NHBC Guideline	Characteristic gas situation	Potentially Explosive	Water Level (m)
				Peak	Steady	Peak	Steady	Minimum	Average	(%v/v)	(% LEL)	(l/Hr)	CH_4	CO_2	CH_4	CO_2	(Peak)	(Steady)			
15/04/2015 09:50	DTS02	1016	16.0	0.0	0.0	2.7	2.6	16.2	16.4	81.0	0.0	0.0	0.0000	0.0027	0.0000	0.0026	GREEN	GREEN	ONE	NO	DRY
13/05/2015 08:46	DTS01	1019	17.0	0.0	0.0	2.8	2.8	17.6	17.6	79.6	0.0	0.0	0.0000	0.0028	0.0000	0.0028	GREEN	GREEN	ONE	NO	DRY
13/05/2015 08:27	DTS02	1019	17.0	0.0	0.0	2.3	2.3	17.0	17.0	80.7	0.0	0.0	0.0000	0.0023	0.0000	0.0023	GREEN	GREEN	ONE	NO	DRY
13/05/2015 08:08	DTS03	1019	17.0	0.0	0.0	2.8	2.8	17.7	17.8	79.4	0.0	0.0	0.0000	0.0028	0.0000	0.0028	GREEN	GREEN	ONE	NO	DRY
13/05/2015 07:46	DTS04	1019	17.0	0.0	0.0	3.5	3.1	15.2	15.9	81.0	0.0	0.0	0.0000	0.0035	0.0000	0.0031	GREEN	GREEN	ONE	NO	DRY
13/05/2015 07:57	DTS06	1019	17.0	0.0	0.0	1.5	1.4	18.9	19.0	79.6	0.0	0.0	0.0000	0.0015	0.0000	0.0014	GREEN	GREEN	ONE	NO	DRY
27/05/2015 08:06	DTS01	1024	15.0	0.0	0.0	2.6	2.6	19.7	19.7	77.7	0.0	0.0	0.0000	0.0026	0.0000	0.0026	GREEN	GREEN	ONE	NO	DRY
27/05/2015 08:14	DTS02	1025	15.0	0.0	0.0	3.5	3.4	18.1	18.1	78.5	0.0	0.0	0.0000	0.0035	0.0000	0.0034	GREEN	GREEN	ONE	NO	DRY
27/05/2015 07:50	DTS03	1024	15.0	0.0	0.0	3.1	3.1	19.4	19.4	77.5	0.0	0.0	0.0000	0.0031	0.0000	0.0031	GREEN	GREEN	ONE	NO	DRY
27/05/2015 07:29	DTS04	1024	15.0	0.0	0.0	3.5	3.3	18.7	18.8	77.9	0.0	0.0	0.0000	0.0035	0.0000	0.0033	GREEN	GREEN	ONE	NO	DRY
27/05/2015 07:40	DTS06	1024	15.0	0.0	0.0	2.7	2.7	19.1	19.1	78.2	0.0	0.0	0.0000	0.0027	0.0000	0.0027	GREEN	GREEN	ONE	NO	DRY
				0.0	0.0	3.5	3.4	15.2	15.9	81.0	0.0	0.10	0.0000	0.0035	0.0000	0.0034	GREEN	GREEN	ONE	Worst case scenario	
				0.0	0.0	2.8	2.7	18.0	18.1	79.2	0.0	0.10	0.0000	0.0028	0.0000	0.0027	GREEN	GREEN	ONE	Average site scenario	

Additonal considerations:

Notes:
Gas Screening Value (GSV) derived by multiplying the peak gas concentration (%) by the peak flow rate (l/h).

The gas analyser is capable of measuring flow to an accuracy of 0.1l/h. Below this value the analyser records zero flow. Adopting a precautionary approach we have used a flow rate of 0.1l/h when the analyser records zero with this flow rate used to determine the gas screening value.

Initial gas monitoring visit terminated after monitoring of DTS02 due to access issues.

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Table comparing cumulative compound concentrations with hazardous waste threshold values

Category of danger		Irritant	Harmful	Toxic		Carcinogenic		Corrosive		Toxic for reproduction		Mutagenic		Ecotoxic		
														∑N : R50-53/0.25	∑N : 50-53	∑N : 50-53
														+∑N : R51-53/2.5	+∑N : R50	+∑N : 51-53
						Carc Cat 1				Repr Cat 1 or				+∑N : R52-53/25		+∑N : 52-53
Risk Phrase		Xi	Xn	T+	T	or 2	Carc Cat 3	C R34	C R35	2	Repr Cat 3	Muta Cat 2	Muta Cat 3			+∑N : R53
Contaminant	Highest concentration	H4 (%)	H5 (%)	H6 (%)	H6 (%)	H7 (%)	H7 (%)	H8 (%)	H8 (%)	H10 (%)	H10 (%)	H11 (%)	H11 (%)	H14	H14	H14
Metals																
Arsenic	18.00			0.0024	0.0028	0.0028								0.8187	0.0028	0.0028
Beryllium	1.00	0.0003		0.0003	0.0003	0.0003										0.0003
Copper	52.00	0.0130	0.0130												0.0130	0.0130
Cadmium	0.84		0.0001		0.0001	0.0001										
Chromium	28.00					0.0045									0.0045	0.0045
Lead	300.00		0.0323							0.0323	0.0323				0.0323	0.0323
Mercury	0.55			0.0001											0.0001	0.0001
Nickel	21.00		0.0027				0.0027				0.0027				0.0027	0.0027
Selenium	0.35				0.0000										0.0000	0.0000
Zinc	160.00	0.1160	0.1160			0.0443		0.0334					0.0752		0.1160	0.1160
Vanadium	41.00	0.0060			0.0060						0.0060		0.0060			0.0060
PAH																
Naphthalene	4.40		0.0004												0.0004	0.0004
Benzo(a)anthracene	65.00				0.0065	0.0065									0.0065	0.0065
Chrysene	63.00				0.0063	0.0063							0.0063		0.0063	0.0063
Benzo(b)fluoranthene	72.00				0.0072	0.0072									0.0072	0.0072
Benzo(k)fluoranthene	29.00				0.0029	0.0029									0.0029	0.0029
Benzo(a)pyrene	57.00					0.0057				0.0057		0.0057			0.0057	0.0057
Dibenzo(a,h)anthracene	40.00				0.0040	0.0040									0.0040	0.0040
TPH																
Benzene	0.10				0.0000	0.0000										
1,2,4-trimethylbenzene	1.00	0.0001	0.0001													0.0001
PRO (C6 - C10)	0.00		0.0000			0.0000										0.0000
DRO (C10 - C35)	191.80		0.0192				0.0192									0.0192
Total (or greatest)		0.1354	0.1838	0.0027	0.0361	(0.0443)	(0.0192)	0.0334	0.0000	(0.0323)	(0.0000)	(0.0057)	(0.0752)	0.8187	0.2044	0.2300
Threshold		20%	25%	0.10%	3%	0.10%	1%	5%	1%	0.50%	5%	0.10%	1%	1	25%	25%
Exceeded Y/N		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Title	Table number
Hazard assessment spreadsheet	1 of 1

soiltechnics
environmental and geotechnical consultants

Landfill Waste Acceptance Criteria				Laboratory test data
Parameter	Inert waste landfill	Stable non-reactive hazardous waste in non-hazardous landfill	Hazardous waste landfill	Composite Sample 1
Parameters determined on the waste				
Total organic carbon (w/w %)	3%	5%	6%*	2
Loss on ignition			10%*	5.2
BTEX (mg kg^{-1})	6			< 0.01
PCBs (7 congeners) (mg kg^{-1})	1			< 0.10
Mineral oil C_{10} - C_{40} (mg kg^{-1})	500			44
PAH (17 congeners)	100			27
pH		>6		8.2
Acid neutralisation capacity pH 6 (mol kg^{-1})		To be evaluated	To be evaluated	0.3
Acid neutralisation capacity pH 4 (mol kg^{-1})		To be evaluated	To be evaluated	
Limit values (mg kg^{-1}) for compliance test using BN 12457-3 at L/S 10 l kg^{-1}				
As (arsenic)	0.5	2	25	< 0.050
Ba (barium)	20	100	300	< 0.50
Cd (cadmium)	0.04	1	5	< 0.010
Cr (chromium (total))	0.5	10	70	< 0.050
Cu (Copper)	2	50	100	< 0.050
Hg (mercury)	0.01	0.2	2	< 0.005
Mo (molybdenum)	0.5	10	30	< 0.050
Ni (nickel)	0.4	10	40	< 0.050
Pb (lead)	0.5	10	50	0.012
Sb (antimony)	0.06	0.7	5	< 0.010
Se (selenium)	0.1	0.5	7	< 0.010
Zn (zinc)	4	50	200	< 0.50
Cl (chloride)	800	15,000	25,000	16
F (fluoride)	10	150	500	< 1.0
SO_4 (sulphate)	1000#	20,000	50,000	12
Total Dissolved Solids (TDS)+	4,000	60,000	100,000	170
Phenol index	1			< 0.50
Dissolved organic carbon at own pH or pH 7.5-8.0@	500	800	1000	< 50

Notes

* Either TOC or LOI must be used for hazardous waste
\# If an inert waste does not meet the SO4 L/S10 limit, alternative limit values of 1500 mg l-1 SO4 at Co (initial eluate from the percolation test (prCEN/TS 14405:2003)) AND 6000 mg kg-1 SO4 at L/S10 (either from the percolation test or batch test BS EN 12457-3), can be used to demonstrate compliance with the acceptable criteria for inert wastes.
\+ The value for TDS can be used instead of the values for Cl and SO4
@ DOC at pH 7.5-8.0 abd L/S10 can be determined or eluate derived from a modified version of the pH dependence Test, prEN 14429, if the limit value at own pH (BS EN 12457 eluate) is not met

PRIMARY CLASSIFICATION	NON-HAZARDOUS
SECONDARY CLASSIFICATION	INERT

Title

Comparison of test data with landfill waste acceptance criteria (table 5.1). (Seconday Assessment)

Appendix

M

Basic categorisation schedule for Made Ground soils

Produced following the requirements of The Landfill (England and Wales) (Amendment) Regulations 2004 Part 2 (5)

(a) *Source and origin of waste*

Proposed redevelopment of Daedalus Park, Gosport

(b) *Process producing the waste*

General site clearance, foundation/service trench excavation and potentially remediation

(c) *Statement on waste treatment*

Refer to pre-treatment confirmation form

(d) *Composition of the waste*

Dark brown and brown silty sandy gravelly clay, brown slightly clayey gravelly sand. The gravel comprised flint, brick, ash, charcoal and concrete.

(e) *Appearance of the waste*

As above

(f) *European waste catalogue code*

17-05-04 (*for non-hazardous waste*)

(g) *Hazardous waste properties*

None

(h) *Is the waste prohibited under regulation 9?*

No

(i) *Landfill class*

Inert based on laboratory testing

(j) *Additional precautions required at landfill*

none

(k) *Can waste be recycled or recovered?*

Refer to pre-treatment confirmation form

(l) *Name and address of waste producer*

To be confirmed

(m) *Name and address of consultant*

Soiltechnics Limited, Cedar Barn, White Lodge, Walgrave, Northampton. NN6 9PY.
Tel: (01604) 781877 **E-mail: mail@soiltechnics.net**
Fax: (01604) 781007 **Website: www.soiltechnics.net**

Schedule Date:
May 2015

Soiltechnics reference
STL3093A-G01

signed



Karen Boothby BSc.(Hons) (Open) MIEnvSci
Senior Geo-environmental Engineer for Soiltechnics Limited

Basic categorisation schedule for River Terrace soils

Produced following the requirements of The Landfill (England and Wales) (Amendment) Regulations 2004 Part 2 (5)

(a) *Source and origin of waste*

Proposed redevelopment at Valentines House, Ilford Hill, Ilford

(b) *Process producing the waste*

Foundation excavations

(c) *Statement on waste treatment*

Refer to pre-treatment confirmation form

(d) *Composition of the waste*

Orange brown sandy gravelly clay and slightly clayey sand and gravel. The gravel comprised flint and quartzite

(e) *Appearance of the waste*

As above

(f) *European waste catalogue code*

17-05-04 (*for non-hazardous waste*)

(g) *Hazardous waste properties*

None

(h) *Is the waste prohibited under regulation 9?*

No

(i) *Landfill class*

Inert based on soils being of natural origin and unlikely to be affected by artificial contamination

(j) *Additional precautions required at landfill*

None

(k) *Can waste be recycled or recovered?*

Refer to pre-treatment confirmation form

(l) *Name and address of waste producer*

To be confirmed

(m) *Name and address of consultant*

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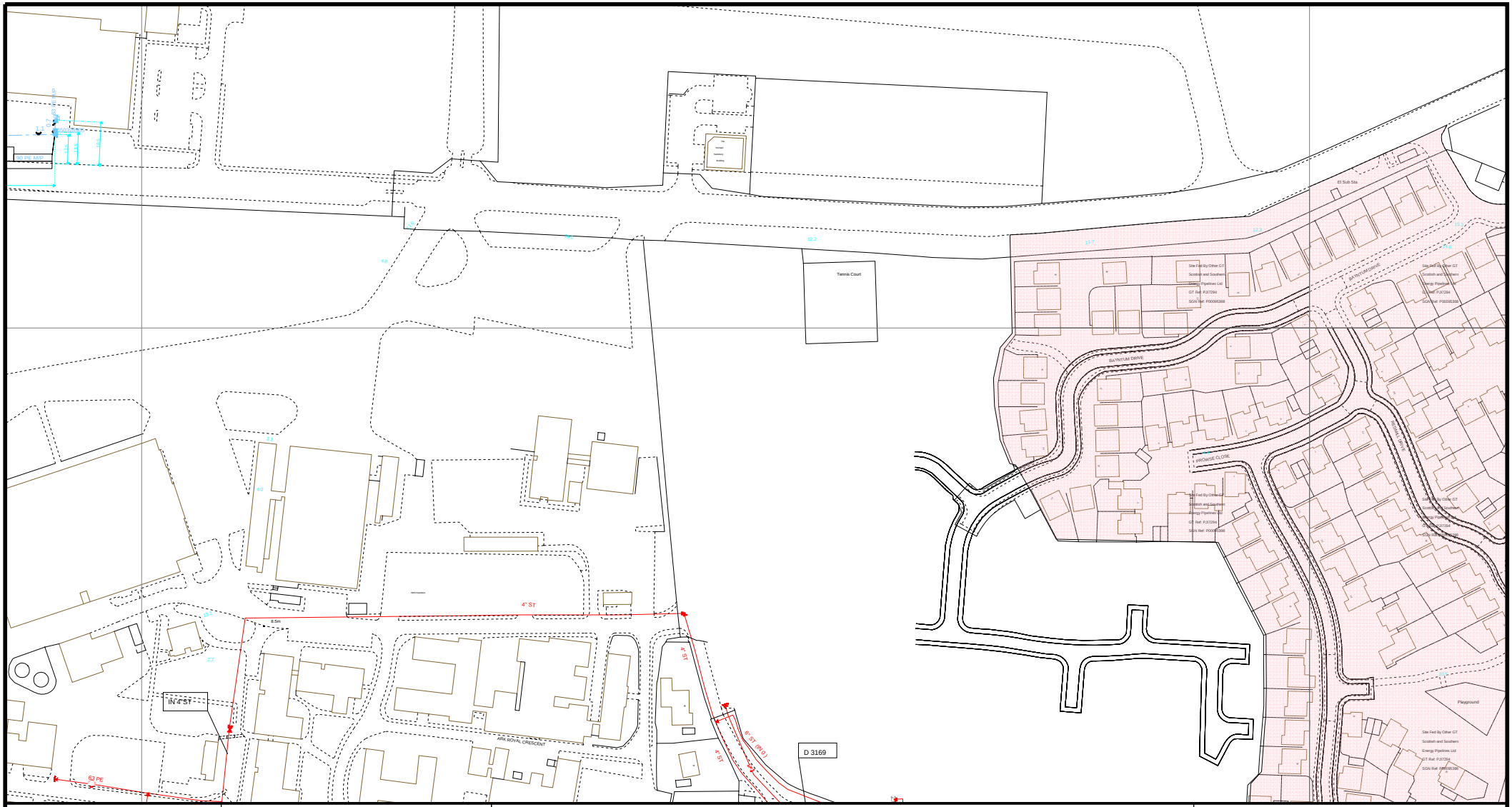
STL3093A-G01

Karen Boothby BSc.(Hons) (Open) MIEnvSci
Senior Geo-environmental Engineer for Soiltechnics Limited



USER ID: SaraB
DATE: 13 Mar 2015
EXTRACT DATE: 23 Dec 2014
MAP REF: SU5601SW
CENTRE: 456263, 101468
SCALE: 1:2,313

- LP Mains
- MP Mains
- IP Mains
- LHP Mains
- NHP Mains

Valve | Depth of Cover | Syphon | Diameter Change | Material Change

This plan shows those pipes owned by Scotia Gas Networks plc in their role as a Licensed Gas Transporter (GT). Gas pipes owned by other GTs, or otherwise privately owned, may be present in this area. Information with regard to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections, etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Scotia Gas Networks plc or their agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

Product: UtilityMaps
Version: 1.6.6.1
Template: 'Scotia Gas Networks (A4 Landscape)'

N

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Delivering gas safely, reliably and efficiently

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WARNING

GAS IN PLOT AREA



Scottish and Southern Energy

N

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PORTSMOUTH

023-9262-4200

GAS

Scale 1:1250

Date: 13/03/2015

Grid Ref: su56260150

SOI

sara.bertholdson

Plot 3 of 3

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NORMAL DEPTH TO THE TOP OF THE GAS PIPE WHEN LAID.

MAINS		SERVICES	
FOOTPATH	0.60m	PRIVATE	0.375m
VERGE	0.75m	PUBLIC	0.45m
ROAD	0.75m		

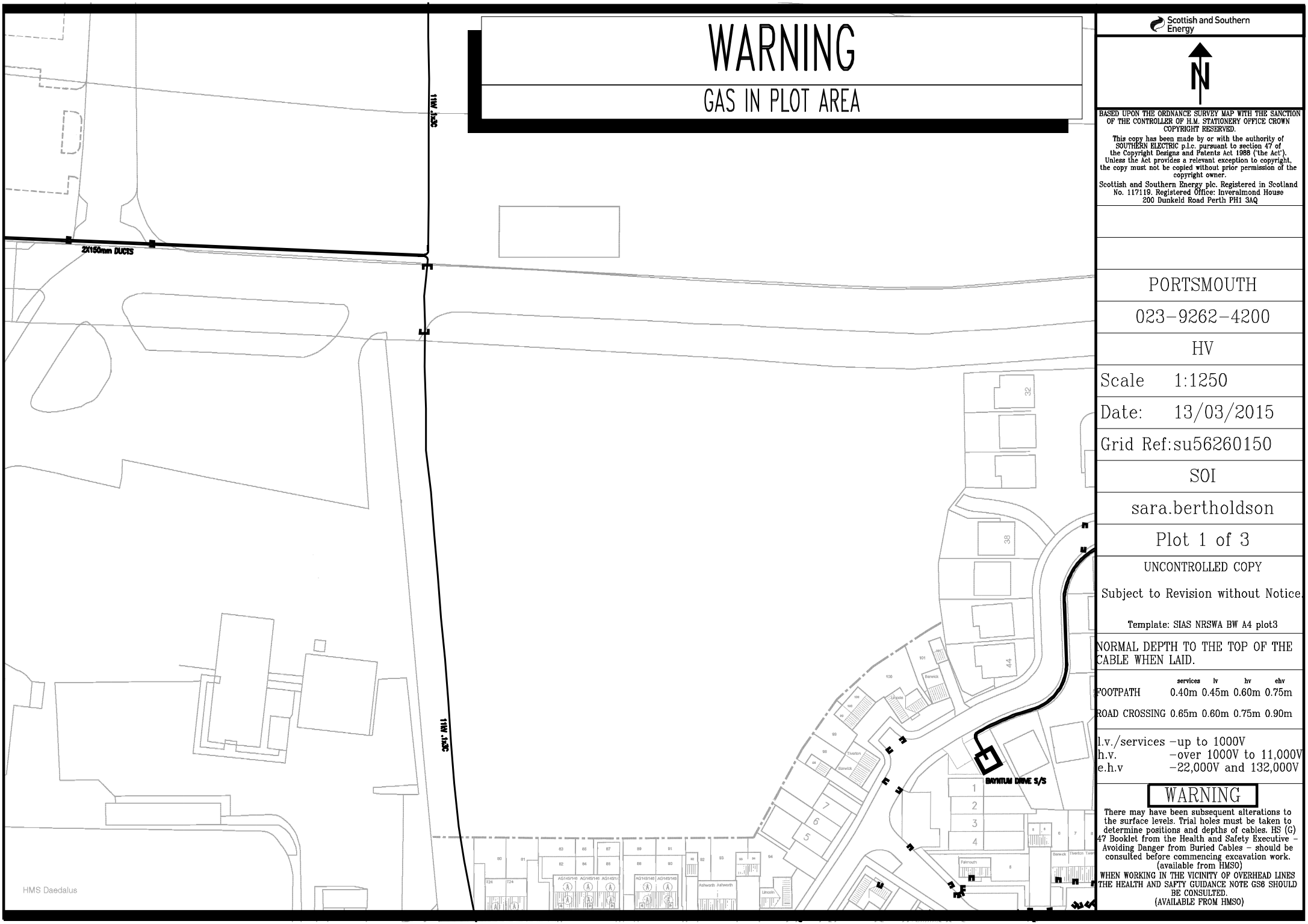
WARNING

There may have been subsequent alterations to the surface levels. Trial holes must be taken to determine positions and depths of cables. HS (G) 47 Booklet from the Health and Safety Executive – Avoiding Danger from Buried Cables – should be consulted before commencing excavation work. (available from HMSO)

WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFTY GUIDANCE NOTE GS6 SHOULD BE CONSULTED. (AVAILABLE FROM HMSO)

WARNING

GAS IN PLOT AREA



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PORTSMOUTH

023-9262-4200

HV

Scale 1:1250

Date: 13/03/2015

Grid Ref:su56260150

SOI

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Plot 1 of 3

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Template: SIAS NRSWA BW A4 plot3

NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID.

	services	lv	hv	ehv
FOOTPATH	0.40m	0.45m	0.60m	0.75m
ROAD CROSSING	0.65m	0.60m	0.75m	0.90m

l.v./services –up to 1000V
h.v. –over 1000V to 11,000V
e.h.v –22,000V and 132,000V

WARNING

There may have been subsequent alterations to the surface levels. Trial holes must be taken to determine positions and depths of cables. HS (G) 47 Booklet from the Health and Safety Executive – Avoiding Danger from Buried Cables – should be consulted before commencing excavation work. (available from HMSO)

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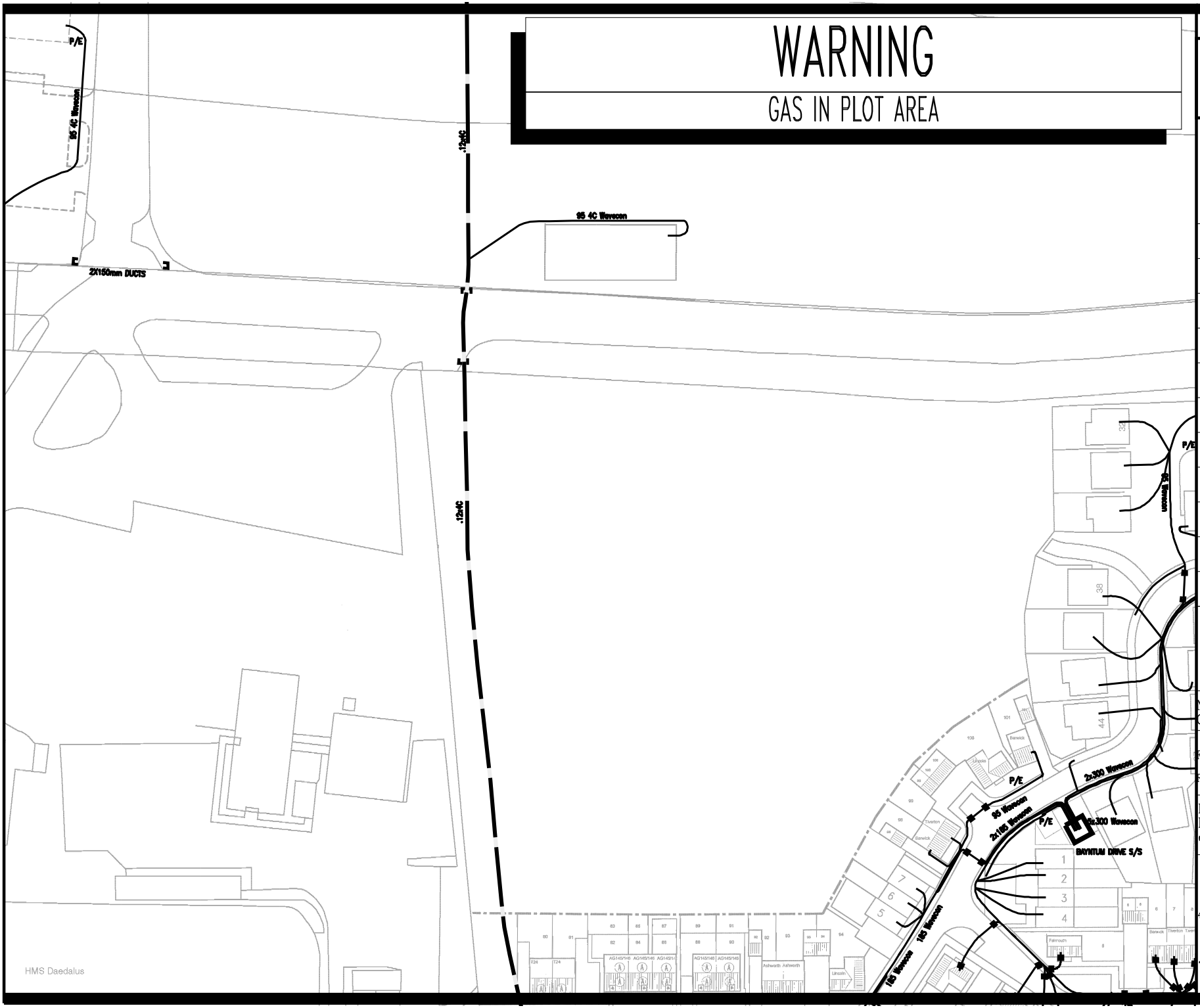
WARNING

GAS IN PLOT AREA



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PORTSMOUTH

023-9262-4200

LV

Scale 1:1250

Date: 13/03/2015

Grid Ref:su56260150

SOI

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Plot 2 of 3

UNCONTROLLED COPY

Subject to Revision without Notice.

Template: SIAS NRSWA BW A4 plot3

NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID.

	services	lv	hv	ehv
FOOTPATH	0.40m	0.45m	0.60m	0.75m
ROAD CROSSING	0.65m	0.60m	0.75m	0.90m

l.v./services –up to 1000V
h.v. –over 1000V to 11,000V
e.h.v –22,000V and 132,000V

WARNING

There may have been subsequent alterations to the surface levels. Trial holes must be taken to determine positions and depths of cables. HS (G) 47 Booklet from the Health and Safety Executive – Avoiding Danger from Buried Cables – should be consulted before commencing excavation work. (available from HMSO)

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Watch it!

Safety advice brought to you by
Southern Electric Power Distribution plc and
Scottish Hydro Electric Power Distribution Ltd

These notes are intended to help all those who have to work in the vicinity of electrical apparatus. Employers have a legal obligation to ensure that their operatives are fully instructed in the correct procedures.

The Electricity at Work Regulations 1989 impose health and safety requirements upon employers, employees and self-employed persons with respect to electricity at work. The regulations impose restrictions on persons being engaged in work activities on or near live conductors.

Regulation 14 requires that: "No person shall be engaged in any work activity on or near any live conductor (other than one suitably covered with insulating material so as to prevent danger) that danger may arise unless:

- it is **unreasonable** in all circumstances for it to be dead; and
- it is **reasonable** in all circumstances for him to be at work on or near it while it is live; and
- suitable precautions (including where necessary the provision of suitable protective equipment) are taken to prevent injury."

The purpose of the regulations is to require precautions to be taken against the risk of death or personal injury from electricity in work activities.

Publications

The Health and Safety Executive have produced a document entitled 'Avoiding Danger from Underground Services', and the Appendix 1 deals specifically with electric cables. Copies are available from HMSO's Accredited Agents and good booksellers, Ref. HS (G) 47.

Copies of Health and Safety Guidance note GS 6 relating to safe working in proximity to overhead lines, are available from HMSO Head Offices of the Federation of Civil Engineering Contractors and the National Federation of Building Trades Employers.

Note

In situations of emergency or danger, or where the advice contained in these notes cannot be followed, you must consult Scottish and Southern Energy plc immediately. Tel. 08457 708090 for southern England or 0800 300999 for Scotland.

Additional copies of these "Watch it!" leaflets can be obtained from our Mapping Services office upon request. Tel. 01256 337294, or Fax 01256 337295.

You must read and accept the following safety notes as part of the contract to receive our network plans. You will have the option to print these and issue them to site staff.

Watch it! - Working in the vicinity of underground cables.

Our plans show the positions and normal depths for the buried cables and pipes at the time when they were installed. However, alterations to road alignments surface levels and buildings may have occurred subsequently without our knowledge. If you discover plant or cables that are not marked or incorrectly marked, then you are required to contact us as soon as possible to give us the opportunity to amend our plans.

These plans show the equipment owned by Scottish and Southern Energy plc. There may be other privately owned plant in the area, which is outside of our control. You should always check with the Local Authority, National Grid Company, Department of the Environment, other Electricity Companies and other utilities before proceeding.

It is not intended that the issue of these plans will absolve either party from their obligation under any of the acts that control digging in the public highways.

Supplies To Properties, etc.

The location of cables supplying individual properties, street lighting, traffic signs, telephone kiosks etc. are not always shown on the plans. You should assume that each property, streetlight etc. will have its own supply cable.

Major Circuits

Where our plans indicate the presence of cables with a voltage exceeding 11,000 volts, you are advised to contact our local depot (telephone number is on the plans), before commencing any excavations within the vicinity of these cables. These major transmission circuits form an extremely important link in Scottish and Southern Energy's network, and damaging or modifying these circuits is a major and costly undertaking. Any development should therefore be designed to allow these circuits to remain undisturbed and accessible in their present location.

For your own and your workmates' safety, please follow the **do's** and **don'ts** listed below:

- ✓ **do** make sure you have plans of the underground cables in the area **before** any excavation work starts. Remember that some cables may not be shown on plans. If carrying out emergency work, excavate as though there are buried live cables in the vicinity.
- ✓ **do** use a cable locator to determine the position of existing cables in the work area. The positions should be marked and tests made as work proceeds. **If in doubt, get advice from your supervisor.**
- ✓ **do** ask for a cable to be made dead if it is buried in concrete.
- ✓ **do** watch for signs of cables as work progresses. Note any marker-tape or cable-cover, which may be exposed.

- ✓ **do** backfill carefully, using stone-free soil around the cables, replacing marker-tapes and / or covers.
- ✓ **do** notify us immediately if you accidentally damage our cables. Arrange to keep people well clear of a cable that has been damaged until we have confirmed it has been made safe.
- ✓ **do** make sure before starting to demolish a building that all cables have been disconnected. We welcome prior notice of the intention to demolish buildings. This enables us to ensure that the site has been made safe electrically.
- ✓ **don't** operate a bulldozer, scraper, dragline or excavator; unless you are satisfied that there are no buried cables in the working area.
- ✓ **don't** use picks, pins, forks or pointed instruments in soft clay or soil when cables are present. Exercise extreme caution where such instruments are used to free lumps of stone, or break up firmly compacted ground. **Never** throw a fork or sharp instrument into the ground.
- ✓ **don't** dig trial holes over the indicated route of the cable. Excavate alongside instead.
- ✓ **don't** use exposed cables as a convenient step or handhold.
- ✓ **don't** handle or attempt to alter the position of any cable.

Remember that a damaged cable may cause extensive loss of supplies, make expensive repairs necessary and cause serious or even fatal injury.

If effective measures are not adopted to protect our equipment, we will take steps to recover the cost of any damage caused. Persons causing damage resulting in loss of supply to customers can be held legally responsible for any claims made by those customers. Promptness in reporting an incident will minimise costs.

In most cases it is not practicable to make cables dead without interrupting supplies to our customers. But given adequate notice, we will wherever possible, give advice regarding special precautions which may be necessary on any site where particular problems are likely to be encountered. The right is reserved to make a charge for this service.

Electricity cables can exist anywhere - under paths or roads, in gardens or driveways, on new housing or industrial development sites or even farmland.

Watch it! - Working in the vicinity of overhead lines

For your own and your workmates' safety, please follow the **do's** and **don'ts** listed below

- ✓ **do** carefully note the position of all overhead lines before commencing work.
- ✓ **do** co-operate with us during planning and sitework stages.
- ✓ **do** follow the advice given in HSE Guidance Note GS 6 when siting barriers, goal posts, bunting etc.
- ✓ **do** keep overhead lines in view when moving scaffolding or machinery and take special care when felling or lopping trees.
- ✓ **do** remember that the raising or slewing of a crane or excavator jib may cause danger when operating near an overhead line.
- ✓ **do** avoid any machinery that is in contact with an overhead line until we confirm that conditions are safe.
- ✓ **do** warn others to keep well clear.
- ✓ **don't** drive a high vehicle below an overhead line when an alternative route is available.
- ✓ **don't** raise the bed of a tipper lorry beneath an overhead line or drive under the line with the body of the vehicle raised.
- ✓ **don't** steady any suspended load until you are satisfied that there is no danger from overhead lines.
- ✓ **don't** handle or use scaffold platforms, poles, pipes or ladders unless they are at a safe distance from overhead lines.
- ✓ **don't** transport long objects beneath overhead lines, unless they are carried in a horizontal position.
- ✓ **don't** approach or touch any broken or fallen overhead lines.

Always remember that:

- Electricity can jump gaps.
- Contact or near contact with a crane jib, scaffold or ladder can cause a discharge of electricity with a risk of fatal or severe shock and burns to any person in the vicinity.

If effective measures are not adopted to protect our equipment, we will take steps to recover the cost of any damage caused. Persons causing damage resulting in loss of supply to customers can be held legally responsible for any claims made by those customers. Promptness in reporting an incident will minimise costs.

In most cases it is not practicable to make overhead lines dead without interrupting supplies to customers. However, provided adequate notice is given, then we will, whenever possible, give advice regarding special precautions which may be necessary on site where specific problems may be encountered. The right is reserved to make a charge for this service.