

PHOTOGRAPHIC LOG

Site Location: West End Nursery

Photo No.
1

Date:
25/10/2016

Depth of
TPP18 –
represents
typical
depth of
trial pits

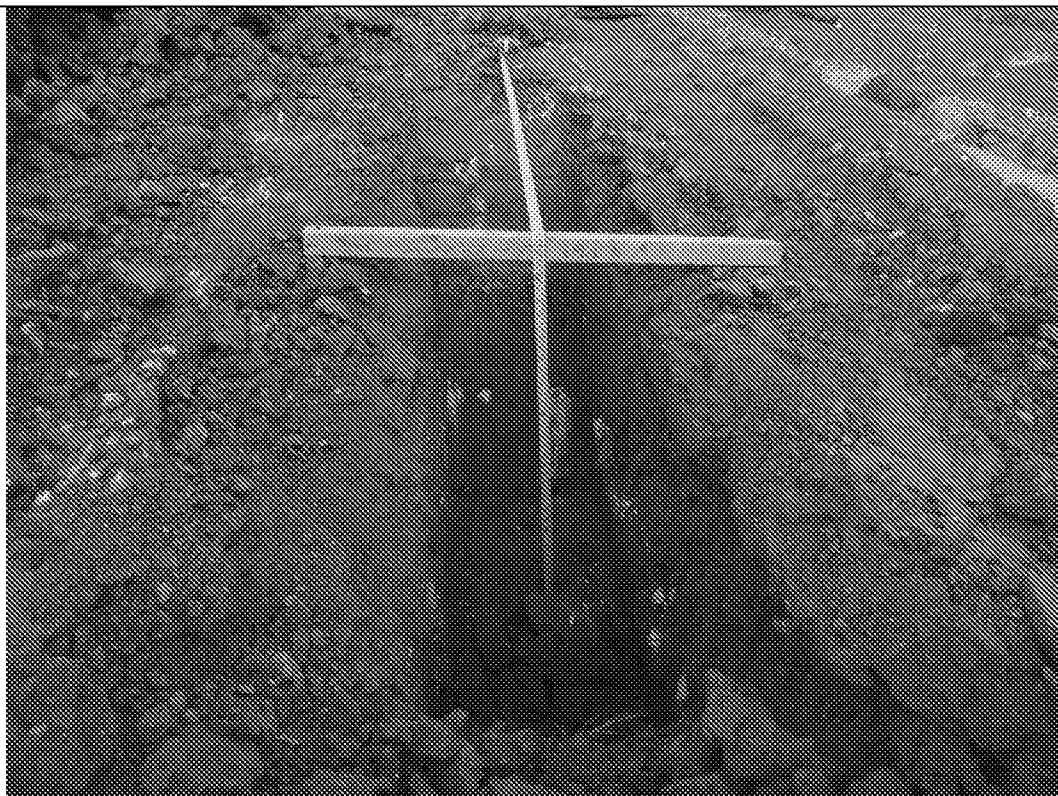


Photo No.
2

Date:
25/10/2016

Glass
layer in
TPP27



PHOTOGRAPHIC LOG

Site Location: West End Nursery

Photo No.
3

Date:
25/10/2016

Access to area near Plots 30-31 obstructed due to construction materials and building



Photo No.
4

Date:
25/10/2016

Levels near Plots 33-34 raised with concrete crush – unable to excavate



PHOTOGRAPHIC LOG

Site Location: West End Nursery

Photo No.
5

Date:
25/10/2016

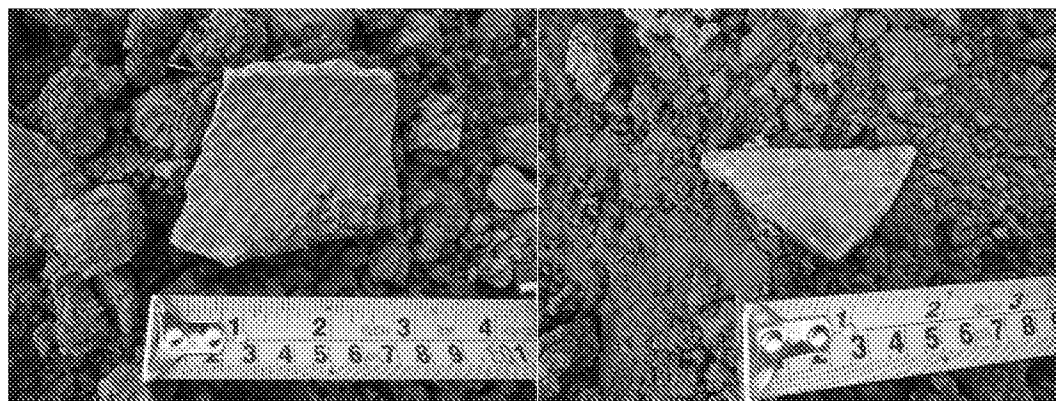
TPP37



Photo No.
6

Date:
25/10/2016

Two
suspected
asbestos
cement
fragments
found
near
TPP40



PHOTOGRAPHIC LOG

Site Location: West End Nursery

Photo No.
7

Date:
26/10/2016

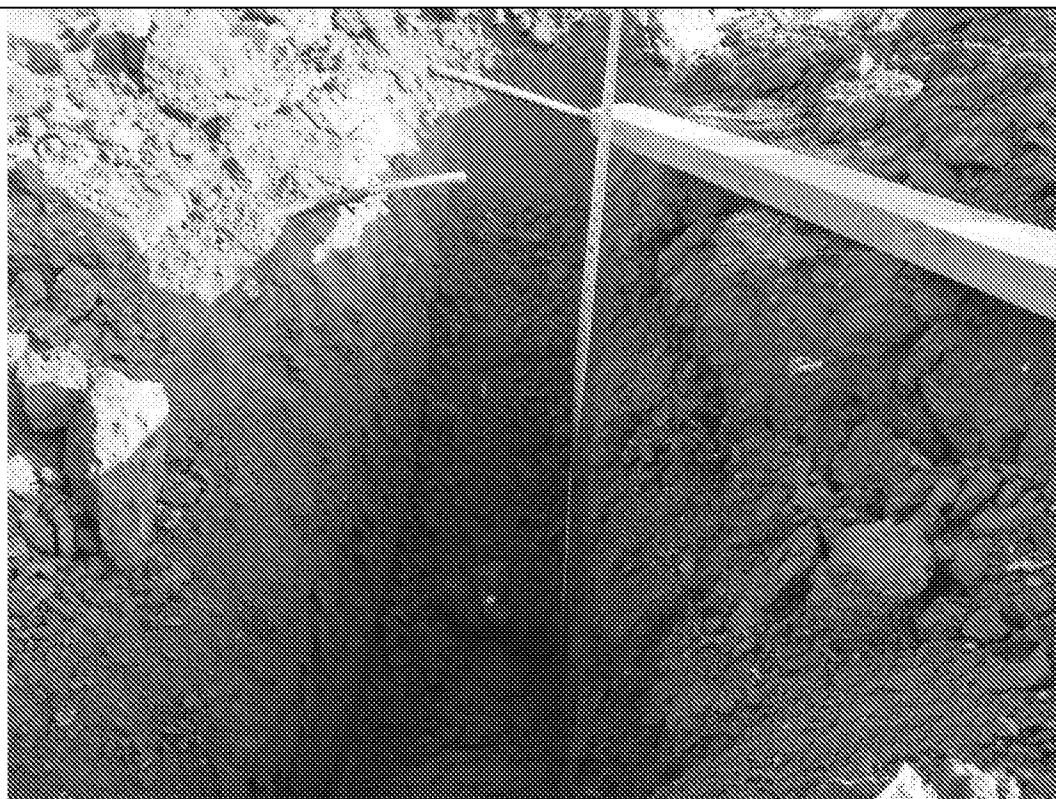
TPP44



Photo No.
8

Date:
25/10/2016

TPP50



PHOTOGRAPHIC LOG

Site Location: West End Nursery

Photo No.
9

Date:
25/10/2016

TPP53



Photo No.
10

Date:
25/10/2016

TPP58





APPENDIX C

TRIAL PIT LOGS



Contract:		Client:		Trial Pit:
Land at West End Nursery, Angmering		Cala Homes (South Home Counties) Ltd		TPP18
Contract Ref:	Start: 25.10.16	Ground Level:	Co-ordinates:	Sheet:
27621	End: 25.10.16	---	---	1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.40	D1	D				MADE GROUND: Very stiff dark brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint, brick, rare plastic and bitumen. 0.20-0.28m : rounded bitumen cobble 80mm in size	(0.60)	
						0.40m : becoming firm	0.60	
						Dark greyish brown CLAY. (RIVER TERRACE DEPOSITS) 0.60m : orange geotextile	0.65	
						Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS)	(0.35)	
						Trial pit terminated at 1.00m depth.	1.00	

Plan (Not to Scale)		General Remarks 1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings.	
Method Used: Machine dug		Plant Used: Tracked excavator	
Logged By: E Hughes		Checked By: 1:25	



Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend	
Depth	No	Type	Results						
0.40-0.50	D1	D				MADE GROUND: Brown gravelly SILT with a low cobble content. Gravel is angular to rounded fine to coarse fine, brick, some glass, some plastic, rare reinforced concrete. Cobbles are subrounded flint upto 70mm in size.	(0.80)		
						0.70m : occasional angular to subangular medium to coarse chalk gravel	0.80		
						Stiff brown CLAY. (RIVER TERRACE DEPOSITS)	1.05		
						Trial pit terminated at 1.05m depth.			

ARUN DISTRICT COURT



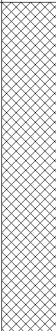
FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP21	
Contract Ref: 27621	Start: 25.10.16 End: 25.10.16	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.30-0.40	D1	D				MADE GROUND: Stiff dark brown gravelly SILT. Gravel is angular to rounded fine to coarse flint and brick.	0.20	
						0.18-0.20m : disused grey plastic pipe		
						Light red fine to coarse SAND. (RIVER TERRACE DEPOSITS)	0.40	
						Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS)	(0.60)	
							1.00	
Trial pit terminated at 1.00m depth.								

Plan (Not to Scale)		General Remarks	
		1. Trial pit remained stable during excavation. 2. Much water out of disused grey plastic pipe. 3. Backfilled with arisings.	
All dimensions in metres		Scale: 1:25	
Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: EHughes	Checked By:



Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.40-0.50	D1	D				MADE GROUND: Firm brown gravelly CLAY. Gravel is angular to rounded fine to coarse flint, bitumen and rare brick. 0.20-0.30m : disused grey plastic pipe	(0.50)	
						Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS)	(0.60)	
						Trial pit terminated at 1.10m depth.	1.10	

ARUN DISTRICT COUNCIL



FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP23
Contract Ref: 27621	Start: 25.10.16 End: 25.10.16	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

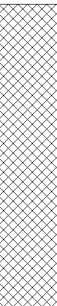
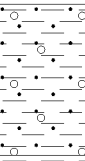
Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend
Depth	No	Type	Results					
0.40-0.50	D1	D				MADE GROUND: Brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse fragments of concrete, flint and occasional brick. 0.10-0.20m : disused black plastic irrigation pipe	(0.55)	
						0.50m : occasional angular to subangular fine to very coarse fragments of chalk gravel	0.55	
						Firm brown CLAY. (RIVER TERRACE DEPOSITS)	(0.45)	
							1.00	
						Trial pit terminated at 1.00m depth.		

Plan (Not to Scale)		General Remarks		
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings.		
All dimensions in metres		Scale: 1:25		
Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: CLatimer	Checked By:	



FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering			Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP24
Contract Ref: 27621	Start: 25.10.16 End: 25.10.16	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend
Depth	No	Type	Results					
0.40-0.50	D1	D				Brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint, rare brick and rare concrete.	(0.50)	
						0.40m : angular to subangular fine to coarse chalk gravel	0.50	
						Firm brown silty CLAY. (RIVER TERRACE DEPOSITS)	(0.50)	
							1.00	
Trial pit terminated at 1.00m depth.								

Plan (Not to Scale)		General Remarks			
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings.			
		All dimensions in metres		Scale:	1:25
Method Used:	Plant Used:	Logged By:	Checked By:		
Machine dug	Tracked excavator	CLatimer			



FINAL TRIAL PIT LOG

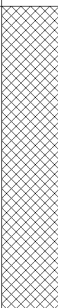
Contract: Land at West End Nursery, Angmering			Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP25
Contract Ref: 27621	Start: 25.10.16 End: 25.10.16	Ground Level: ---	Co-ordinates: ---		Sheet: 1 of 1

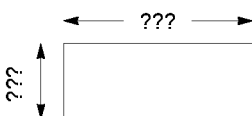
Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.40-0.45	D1	D				MADE GROUND: Brown slightly gravelly clayey SAND. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse fragments of bitumen, chalk brick and flint. 0.20m : black plastic irrigation pipe	(0.45)	
						Firm to stiff brown sandy CLAY. (RIVER TERRACE DEPOSITS)	0.45	
							(0.55)	
						Trial pit terminated at 1.00m depth.	1.00	

Plan (Not to Scale)		General Remarks			
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings.			
		All dimensions in metres		Scale:	1:25
Method Used:	Plant Used:	Logged By:	Checked By:		
Machine dug	Tracked excavator	CLatimer			



Contract:		Client:		Trial Pit:
Land at West End Nursery, Angmering		Cala Homes (South Home Counties) Ltd		TPP26
Contract Ref:	Start: 25.10.16	Ground Level:	Co-ordinates:	Sheet:
27621	End: 25.10.16	---	---	1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend	
Depth	No	Type	Results						
0.40-0.50	D1	D				MADE GROUND: Soft to firm slightly gravelly sandy CLAY. Gravel is angular to subrounded flint, chalk and rare brick fragments. 0.20m : disused black irrigation pipe	(0.70)		
						Firm to stiff slightly sandy CLAY. (RIVER TERRACE DEPOSITS)	0.70 (0.30)		
						Trial pit terminated at 1.00m depth.	1.00		

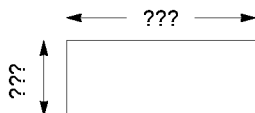
Plan (Not to Scale) 		General Remarks	
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings.	
		All dimensions in metres Scale: 1:25	
Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: CLatimer	Checked By: AGS



FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP27
Contract Ref: 27621	Start: 25.10.16 End: 25.10.16	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.30	D1	D				MADE GROUND: Stiff brown gravelly CLAY with a low cobble content. Gravel is very angular to rounded fine to coarse flint, glass and brick. Cobbles are subangular concrete upto 270mm in size.	(0.50)	
0.40-0.50	D2	D				0.30m : Four suspected asbestos cement fragments upto 50mm in size.	0.50	
						MADE GROUND: Fine to coarse glass brick, concrete and rare bitumen fragments.	(0.40)	
							0.90	
						Trial pit terminated at 0.90m depth.		

Plan (Not to Scale)		General Remarks		
		1. Trial pit remained dry and stable during excavation. 2. Glass reported to client on site; they decided to leave it for the time being. 3. Four suspected asbestos cement fragments found at 0.30m depth. 4. Backfilled with arisings.		
		All dimensions in metres	Scale:	1:25
Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: EHughes	Checked By:	

[illegible]

ARUN DISTRICT COURT	Used: Machine dug	Used: Tracked excavator	By: CLatimer	By: AGS
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FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP29
Contract Ref: 27621	Start: 25.10.16 End: 25.10.16	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.10-0.20	D1	D				MADE GROUND: Friable slightly sandy slightly gravelly CLAY. Sand is fine. Gravel is subangular to subrounded fine to coarse flint, occasional concrete and rare brick, glass and black plastic bag.	(0.35)	
						Friable slightly sandy slightly gravelly CLAY. Sand is fine. Gravel is subangular to subrounded fine to coarse flint. (RIVER TERRACE DEPOSITS) Trial pit terminated at 0.50m depth.	0.35 0.50	

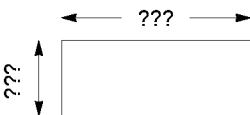
Plan (Not to Scale)		General Remarks		
		1. Ground level already reduced by 0.45m prior to trial pit excavation. 2. Trial pit remained dry and stable during excavation. 3. Backfilled with arisings.		
		All dimensions in metres	Scale:	1:25
Method Used:	Plant Used:	Logged By:	Checked By:	
Machine dug	Tracked excavator	EHughes		



FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering			Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP35
Contract Ref: 27621	Start: 25.10.16 End: 25.10.16	Ground Level: ---	Co-ordinates: ---		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.40-0.45	D1	D				MADE GROUND: Dark brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint and rare brick, metal, plastic and glass.	(0.40)	
						Firm orangish brown sandy slightly gravelly CLAY. Sand is fine. Gravel is subangular to subrounded fine to coarse flint. (RIVER TERRACE DEPOSITS)	0.40	
							(0.60)	
						Trial pit terminated at 1.00m depth.	1.00	

Plan (Not to Scale)		General Remarks	
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings.	
		All dimensions in metres	Scale: 1:25
Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: EHughes	Checked By: 



FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP36
Contract Ref: 27621	Start: 25.10.16 End: 25.10.16	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50	D1	D				MADE GROUND: Greyish brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint, brick, suspected asbestos cement, concrete and rare glass, wood and plastic.	(0.90)	
						Firm orangish brown slightly gravelly CLAY. Gravel is subrounded fine to medium flint. (RIVER TERRACE DEPOSITS)	0.90	
						Trial pit terminated at 1.10m depth.	1.10	

Plan (Not to Scale)		General Remarks		
		1. Trial pit remained dry and stable during excavation. 2. Suspected asbestos cement fragments found within top unit. 3. Backfilled with arisings.		
		All dimensions in metres	Scale:	1:25
Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: EHughes	Checked By:	



FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP37
Contract Ref: 27621	Start: 25.10.16 End: 25.10.16	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend
Depth	No	Type	Results					
0.40-0.50	D1	D				MADE GROUND: Greyish brown sandy gravelly SILT. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint, brick, occasional concrete and bitumen and rare glass and suspected asbestos fragments.	(0.80)	
						0.40m : disused black plastic irrigation pipe 0.45m : disused grey plastic pipe	0.80	
						MADE GROUND: Soft to firm orangish brown very gravelly CLAY. Gravel is subangular to rounded fine to coarse bitumen and flint.	(0.35)	
						Trial pit terminated at 1.15m depth.	1.15	

Plan (Not to Scale)		General Remarks		
		1. Trial pit remained dry and stable during excavation. 2. Suspected asbestos cement fragments found within top unit. 3. Backfilled with arisings.		
		All dimensions in metres	Scale:	1:25
Method Used:	Plant Used:	Logged By:	Checked By:	
Machine dug	Tracked excavator	EHughes		



Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.40-0.45	D1	D				MADE GROUND: Firm orangish brown and dark grey sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to medium flint, bitumen and brick.	(0.40)	
						MADE GROUND: Stiff greyish brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint, bitumen, occasional brick, rare glass and rare suspected asbestos cement fragments upto 57mm in size.	(0.30)	
						MADE GROUND: Soft to firm brown gravelly CLAY. Gravel is subangular to subrounded fine to medium bitumen and flint.	(0.50)	
						Trial pit terminated at 1.20m depth.	1.20	

ARUN DISTRICT COURT 155/21/DO



FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering			Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP39
Contract Ref: 27621	Start: 25.10.16 End: 25.10.16	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend
Depth	No	Type	Results					
0.40-0.45	D1	D				MADE GROUND: Brown clayey gravelly SAND. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint with occasional brick, bitumen, rare glass, suspected asbestos cement upto 40mm and rare metal and charcoal. 0.15m : disused black plastic irrigation pipe	(0.40)	
						MADE GROUND: Soft brown mottled reddish brown gravelly CLAY. Gravel is subangular to subrounded fine to medium flint and bitumen.	0.40	
							(0.70)	
						Trial pit terminated at 1.10m depth.	1.10	

Plan (Not to Scale)		General Remarks			
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings.			
		All dimensions in metres		Scale:	1:25
Method Used:	Plant Used:	Logged By:	Checked By:		
Machine dug	Tracked excavator	EHughes			

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP40
Contract Ref: 27621	Start: 25.10.16 End: 25.10.16	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.40	D1	D	Tub+Jar+Vial			MADE GROUND: Orangish brown slightly clayey slightly gravelly SAND. Sand is fine. Gravel is subangular to subrounded fine to medium brick and flint.	(0.50)	
0.55-0.60	ES2	ES				0.40-0.45m : disused grey plastic pipe along south face of trial pit 0.45-0.50m : disused grey plastic pipe crosses trial pit from south wall to north wall (In south face only) MADE GROUND: Black fine SAND (probable plant feed).	0.50 (0.40)	
						MADE GROUND: Soft to firm greyish brown mottled reddish brown gravelly CLAY. Gravel is subangular to subrounded fine to medium flint and bitumen.	0.90	
						Trial pit terminated at 1.10m depth.	1.10	

Plan (Not to Scale)		General Remarks		
		1. Trial pit remained stable during excavation. 2. Water leak from broken plastic pipe. 3. Two fragments of suspected asbestos cement found on surface near trial pit - removed for safe disposal. 4. Backfilled with arisings.		
Method Used: Machine dug		Plant Used: Tracked excavator	Logged By: EHughes	Checked By: AGS
All dimensions in metres		Scale: 1:25		



FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering			Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP41
Contract Ref: 27621	Start: 25.10.16 End: 25.10.16	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1	

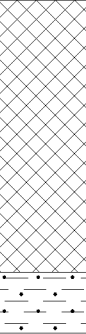
Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.40	D1	D				MADE GROUND: Light brownish grey mottled brown slightly gravelly CLAY. Gravel is subangular to rounded fine to medium flint with rare brick. 0.20m : disused black plastic irrigation pipe 0.35-0.40m : disused grey plastic pipe	(1.10)	
						Trial pit terminated at 1.10m depth.	1.10	

Plan (Not to Scale)		General Remarks			
		1. Trial pit remained dry and stable during excavation. 2. Some drips from disused black irrigation pipe. 3. Backfilled with arisings.			
		All dimensions in metres		Scale:	1:25
Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: EHughes	Checked By:		



FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering			Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP50
Contract Ref: 27621	Start: 25.10.16 End: 25.10.16	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend
Depth	No	Type	Results					
0.45-0.50	D1	D				MADE GROUND: Brown clayey gravelly SAND. Sand is fine. Gravel is subangular to rounded fine to medium flint, with rare brick and asbestos fragments upto 30mm in size. 0.15m : disused black plastic irrigation pipe 0.30m : 0.38m long x 0.28m diameter cylindrical concrete block with rebar - suspected small pile/fence post footing 0.50m : 1.00m long x 0.40m wide sheet of worked metal	(0.90)	
							0.90	
						Firm orangish brown slightly sandy CLAY. Sand is fine. (RIVER TERRACE DEPOSITS)	1.10	
						Trial pit terminated at 1.10m depth.		

Plan (Not to Scale)		General Remarks			
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings.			
		All dimensions in metres		Scale:	1:25
Method Used:	Plant Used:	Logged By:	Checked By:		
Machine dug	Tracked excavator	EHughes			



FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP51
Contract Ref: 27621	Start: 25.10.16 End: 25.10.16	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

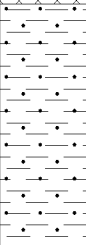
Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.40-0.50	D1	D				MADE GROUND: Brown sandy gravelly CLAY. Sand is coarse. Gravel is angular to subrounded fine to coarse fragments of brick and flint with occasional charcoal and concrete. 0.30m : pocket of yellow coarse sand	(0.60)	
						Firm brown slightly sandy CLAY with rare angular to subrounded fine to medium flint gravel. (RIVER TERRACE DEPOSITS)	0.60	
							(0.40)	
						Trial pit terminated at 1.00m depth.	1.00	

Plan (Not to Scale)		General Remarks		
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings. 3. ** a record of the stability of the sides of the excavation ** 4. ** a comment on the weather conditions ** 5. ** a record of the method of backfilling **		
		All dimensions in metres	Scale:	1:25
Method Used:	Plant Used:	Logged By:	Checked By:	
Machine dug	Tracked excavator	CLatimer		



FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering			Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP52
Contract Ref: 27621	Start: 25.10.16 End: 25.10.16	Ground Level: ---	Co-ordinates: ---		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend
Depth	No	Type	Results					
0.40-0.50	D1	D				MADEGROUND: Friable brown sandy CLAY. 0.10-0.20m : (only in north face of trial pit) historic brick foundation	0.20	
						Firm friable brown slightly sandy CLAY with angular to subrounded fine to coarse flint gravel.	(0.80)	
							1.00	
						Trial pit terminated at 1.00m depth.		

Plan (Not to Scale)		General Remarks			
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings.			
		All dimensions in metres		Scale:	1:25
Method Used:	Plant Used:	Logged By:	Checked By:		
Machine dug	Tracked excavator	CLatimer			



FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP53
Contract Ref: 27621	Start: 25.10.16 End: 25.10.16	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.40-0.50	D1	D				MADE GROUND: Brown sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse brick, flint and concrete.	0.20	
						0.10-0.50m : pocket of yellowish cream sand with angular fine to coarse flint gravel	(0.40)	
						Reworked natural firm brown slightly sandy CLAY with occasional angular to subrounded coarse chalk gravel.	0.60	
						Firm brown slightly sandy CLAY. (RIVER TERRACE DEPOSITS)	(0.45)	
							1.05	
Trial pit terminated at 1.05m depth.								

Plan (Not to Scale)		General Remarks		
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings.		
		All dimensions in metres	Scale:	1:25
Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: CLatimer	Checked By:	



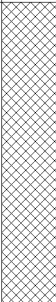
FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering			Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP54
Contract Ref: 27621	Start: 25.10.16 End: 25.10.16	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.40-0.50	D1	D				MADE GROUND: Brown slightly clayey gravelly SAND. Gravel is angular to subrounded fine to coarse fragments of brick, concrete and flint.	0.10	
						MADE GROUND: Firm slightly sandy CLAY with angular to subrounded fine to coarse flint, brick and concrete gravel.	(0.80)	
						0.70-0.80m : 2 whole bricks	0.90	
						Firm slightly sandy CLAY with occasional fine to medium flint gravel. (RIVER TERRACE DEPOSITS) Trial pit terminated at 1.00m depth.	1.00	

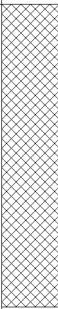
Plan (Not to Scale)		General Remarks			
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings.			
		All dimensions in metres		Scale:	1:25
Method Used:	Plant Used:	Logged By:	Checked By:		
Machine dug	Tracked excavator	CLatimer			

Contract: Land at West End Nursery, Angmering			Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP55
Contract Ref: 27621	Start: 25.10.16 End: 25.10.16	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend
Depth	No	Type	Results					
0.40-0.50	D1	D				MADE GROUND: Brown slightly clayey gravelly SAND. Gravel is angular to subrounded fine to coarse fragments of brick, concrete and flint.	0.10	
						MADE GROUND: Brown slightly clayey gravelly SAND. Gravel is angular to subrounded fine to coarse fragments of flint, brick , concrete and rare glass.	0.30	
						MADE GROUND: Soft to firm slightly sandy CLAY with gravels of angular to subrounded fine to coarse flint with rare concrete and brick. 0.30m : disused plastic pipe fragment	(0.70)	
						0.80-0.90m : pocket of dark grey and black firm to stiff CLAY with occasional subangular to subrounded fine to medium gravel. Slight organic odour.	1.00	
						Trial pit terminated at 1.00m depth.		

Plan (Not to Scale)			General Remarks		
			1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings.		
All dimensions in metres			Scale: 1:25		
Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: CLatimer	Checked By:		



Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50-0.60	D1	D				MADE GROUND: Brown slightly clayey gravelly SAND. Gravel is angular to subrounded fine to coarse fragments of brick, concrete and flint.	0.10	
						MADE GROUND: Firm to stiff slightly sandy gravelly CLAY. Gravel is fine to coarse fragments of brick, concrete and flint. 0.20-0.40m : boulder-sized concrete breeze blocks	(0.40)	
						MADE GROUND: Greyish brown sandy GRAVEL. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint and fragments of brick, concrete and occasional brick pottery.	0.50	
							(0.40)	
						Firm brown slightly sandy CLAY. (RIVER TERRACE DEPOSITS)	0.90	
						Trial pit terminated at 1.00m depth.	1.00	

ARUN DISTRICT COLLEGE	Used: Machine dug	Used: Tracked excavator	By: CLatimer	By: AGS
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Contract:		Client:		Trial Pit:
Land at West End Nursery, Angmering		Cala Homes (South Home Counties) Ltd		TPP57
Contract Ref:	Start: 25.10.16	Ground Level:	Co-ordinates:	Sheet:
27621	End: 25.10.16	---	---	1 of 1

[illegible]

Plan (Not to Scale)		General Remarks 1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings.	
Method Used: Machine dug		Plant Used: Tracked excavator	
Logged By: CLatimer		Checked By:	

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP58
Contract Ref: 27621	Start: 25.10.16 End: 25.10.16	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

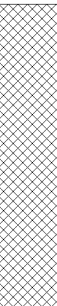
Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.00	ES1	ES	Tub: ACM frag			MADE GROUND: Brown clayey slightly gravelly SAND. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse fragments of brick, flint and occasional concrete	0.10	
0.40-0.50	D2	D				MADEGROUND: Firm to stiff brown slightly sandy CLAY with angular to subrounded fine to coarse flint gravel.	(0.90)	
0.70-0.80	ES3	ES	Jar+Vial			0.70m : concrete breeze block and redundant cable (possible electric); hydrocarbon odours and black staining, with clay becoming soft - environmental sample collected	1.00	
						Firm to stiff brown CLAY. (RIVER TERRACE DEPOSITS) 1.00m : concrete obstruction in north side of trial pit, so pit extended further southwards	(0.30) 1.30	
						Trial pit terminated at 1.00m depth on the north side of the trial pit, and 1.30m depth on the south side.		

Plan (Not to Scale)		General Remarks		
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings. 3. Suspected asbestos cement fragments at surface; samples taken for analysis.		
All dimensions in metres		Scale: 1:25		
Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: CLatimer	Checked By:	



FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering			Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP59
Contract Ref: 27621	Start: 25.10.16 End: 25.10.16	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend
Depth	No	Type	Results					
0.40-0.50	D1	D				MADE GROUND: Brown slightly clayey gravelly SAND. Sand is coarse. Gravel is angular to subrounded fine to coarse fragments of brick, concrete, flint and occasional brick pottery.	0.20	
						Reworked natural: firm brown slightly sandy CLAY with occasional angular to subrounded fine to coarse flint gravel. 0.20m : disused black plastic irrigation pipe and plastic fragments	(0.50)	
						0.60m : occasional angular to subrounded fine to coarse chalk gravel	0.70	
						Firm brown slightly sandy CLAY with occasional angular to rounded fine to coarse flint gravel. (RIVER TERRACE DEPOSITS)	(0.30)	
							1.00	
						Trial pit terminated at 1.00m depth.		

Plan (Not to Scale)		General Remarks			
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings.			
		All dimensions in metres		Scale:	1:25
Method Used:	Plant Used:	Logged By:	Checked By:		
Machine dug	Tracked excavator	CLatimer			



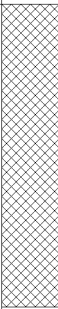
FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP60
Contract Ref: 27621	Start: 25.10.16 End: 25.10.16	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50-0.60	D1	D				MADE GROUND: Brown sandy CLAY with frequent gravel. Sand is coarse. Gravel is angular to subrounded fine to coarse fragments of brick, flint and rare concrete paving slab.	(0.65)	
						0.40m : disused grey plastic pipe 0.50m : pocket of reddish brown coarse sand	0.65	
						Firm brown slightly sandy CLAY with occasional angular to subrounded fine to coarse flint gravel. (RIVER TERRACE DEPOSITS)	(0.35) 1.00	
						Trial pit terminated at 1.00m depth.		

Plan (Not to Scale)		General Remarks		
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings.		
		All dimensions in metres	Scale:	1:25
Method Used:	Plant Used:	Logged By:	Checked By:	
Machine dug	Tracked excavator	CLatimer		



Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50-0.60	D1	D				MADE GROUND: Brown slightly sandy CLAY with frequent angular to subrounded fine to coarse gravel sized fragments of brick, flint and rare glass.	0.10	
						MADEGROUND: Firm brown silty gravelly slightly sandy CLAY. Gravel is angular to subrounded fine to coarse fragments of flint.	(0.40)	
						MADEGROUND: Firm brown silty gravelly slightly sandy CLAY. Gravel is angular to subrounded fine to coarse fragments of flint with frequent chalk. 0.50m : Pocket of yellow coarse sand	0.50	
							(0.50)	
						Trial pit terminated at 1.00m depth.	1.00	

ARUN DISTRICT COURT



FINAL TRIAL PIT LOG

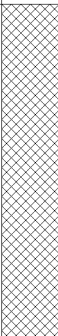
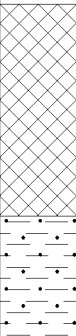
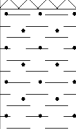
Contract: Land at West End Nursery, Angmering			Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP62
Contract Ref: 27621	Start: 25.10.16 End: 25.10.16	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.40-0.50	D1	D				Stiff friable brown slightly sandy CLAY with occasional angular to rounded fine to coarse flint gravel. (RIVER TERRACE DEPOSITS)	(0.70)	
						Firm to stiff brown slightly sandy CLAY with occasional angular to rounded fine to coarse flint and chalk gravel. (RIVER TERRACE DEPOSITS)	(0.40)	
						Trial pit terminated at 1.10m depth.	1.10	

Plan (Not to Scale)		General Remarks			
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings.			
		All dimensions in metres		Scale:	1:25
Method Used:	Plant Used:	Logged By:	Checked By:		
Machine dug	Tracked excavator	CLatimer			

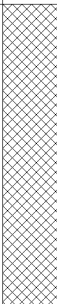




Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend	
Depth	No	Type	Results						
0.50-0.60	D1	D				MADE GROUND: Soft to firm brown slightly sandy gravelly CLAY. Gravel is angular to subrounded fine to coarse fragments of brick, flint and occasional bitumen. 0.20-0.60m : In centre of pit, possible concrete fence post or pile.	(0.70)		
						Firm to stiff brown slightly sandy CLAY with occasional angular to subrounded fine to coarse flint gravel. (RIVER TERRACE DEPOSITS)	0.70 (0.40)		
						Trial pit terminated at 1.10m depth.	1.10		

ARUN DISTRICT COURT Used V155/21/DOF



Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50-0.60	D1	D				MADEGROUND: Firm to stiff brown slightly sandy CLAY with occasional angular to subrounded fine to coarse flint gravel. 0.20m : disused black plastic irrigation pipe 0.40m : angular to subrounded fine to coarse chalk gravel	(0.60) 0.60	 
						Firm friable brown slightly sandy CLAY with rare angular to rounded fine to medium flint gravel. (RIVER TERRACE DEPOSITS)	(0.40)	
						Trial pit terminated at 1.00m depth.	1.00	

ARUN DISTRICT COURT



APPENDIX D

LABORATORY RESULTS

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 16/06871
Issue Number: 1

Date: 10 November, 2016

Client: RSK Environment Ltd Southampton
Unit 26
Basepoint Abbey Enterprise Centre
Premier Way
Romsey,
Hampshire
UK
SO51 9AQ

Project Manager: Andrew James/Catherine Latimer/Ed Hughes
Project Name: Angmering
Project Ref: 27621
Order No: N/A
Date Samples Received: 27/10/16
Date Instructions Received: 28/10/16
Date Analysis Completed: 10/11/16

Prepared by:

Approved by:

Danielle Brierley
Administrative Assistant

Gill Walker
Laboratory Manager

Envirolab Job Number: 16/06871

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/06871/1	16/06871/2	16/06871/3	16/06871/4	16/06871/5	16/06871/6	16/06871/7	16/06871/8	Units	Method ref
Client Sample No	1				1		1	1		
Client Sample ID	TPP18	TPP20	TPP21	TPP22	TPP23	TPP24	TPP25	TPP26		
Depth to Top	0.40	0.40	0.30	0.40	0.40	0.40	0.40	0.40		
Depth To Bottom		0.50	0.40	0.50	0.50	0.50	0.45	0.50		
Date Sampled	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16		
Sample Type	Soil - D	Soil	Soil	Soil	Soil - D	Soil	Soil - D	Soil - D		
Sample Matrix Code	3A	4A	5A	6A	6A	4A	4A	4A		
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD		A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

Envirolab Job Number: 16/06871

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/06871/9	16/06871/10	16/06871/11	16/06871/12	16/06871/13	16/06871/14	16/06871/15	16/06871/16	Units	Method ref
Client Sample No					1	1		1		
Client Sample ID	TPP27	TPP28	TPP29	TPP35	TPP36	TPP38	TPP39	TPP37		
Depth to Top	0.40	0.10	0.10	0.40	0.50	0.00	0.40	0.40		
Depth To Bottom	0.50		0.20	0.45			0.45	0.50		
Date Sampled	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16		
Sample Type	Soil	Soil	Soil	Soil	Soil - D	Soil - D	Soil	Soil - D		
Sample Matrix Code	4A	4A	6A	6A	6A	6A	4A	4A		
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD	NAD	NAD	Chrysotile	NAD	Chrysotile	NAD		A-T-045
Asbestos Matrix (microscope) _A	-	-	-	-	Loose Fibres	-	Loose Fibres	-		A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

Envirolab Job Number: 16/06871

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/06871/18	16/06871/19	16/06871/20	16/06871/21	16/06871/22	16/06871/23	16/06871/24	16/06871/25	Units	Method ref
Client Sample No		1								
Client Sample ID	TPP40	TPP41	TPP42	TPP43	TPP44	TPP45	TPP46	TPP47		
Depth to Top	0.55	0.40	0.50	0.40	0.40	0.50	0.40	0.40		
Depth To Bottom	0.60		0.60	0.50	0.50	0.60	0.50	0.50		
Date Sampled	25-Oct-16	25-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16		
Sample Type	Soil	Soil - D	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	4A	6A	6A	6A	6A	6A	6A	4A		
% Stones >10mm _A [#]	<0.1	-	-	-	-	-	-	-	% w/w	A-T-044
pH _D ^{M#}	6.22	-	-	-	-	-	-	-	pH	A-T-031s
Sulphate (water sol 2:1) _D ^{M#}	0.10	-	-	-	-	-	-	-	g/l	A-T-026s
Sulphate (acid soluble) _D ^{M#}	530	-	-	-	-	-	-	-	mg/kg	A-T-028s
Arsenic _D ^{M#}	19	-	-	-	-	-	-	-	mg/kg	A-T-024s
Cadmium _D ^{M#}	1.5	-	-	-	-	-	-	-	mg/kg	A-T-024s
Copper _D ^{M#}	64	-	-	-	-	-	-	-	mg/kg	A-T-024s
Chromium _D ^{M#}	9	-	-	-	-	-	-	-	mg/kg	A-T-024s
Lead _D ^{M#}	24	-	-	-	-	-	-	-	mg/kg	A-T-024s
Mercury _D	<0.17	-	-	-	-	-	-	-	mg/kg	A-T-024s
Nickel _D ^{M#}	39	-	-	-	-	-	-	-	mg/kg	A-T-024s
Selenium _D	2	-	-	-	-	-	-	-	mg/kg	A-T-024s
Zinc _D ^{M#}	130	-	-	-	-	-	-	-	mg/kg	A-T-024s

Envirolab Job Number: 16/06871

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/06871/18	16/06871/19	16/06871/20	16/06871/21	16/06871/22	16/06871/23	16/06871/24	16/06871/25	Units	Method ref
Client Sample No		1								
Client Sample ID	TPP40	TPP41	TPP42	TPP43	TPP44	TPP45	TPP46	TPP47		
Depth to Top	0.55	0.40	0.50	0.40	0.40	0.50	0.40	0.40		
Depth To Bottom	0.60		0.60	0.50	0.50	0.60	0.50	0.50		
Date Sampled	25-Oct-16	25-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16		
Sample Type	Soil	Soil - D	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	4A	6A	6A	6A	6A	6A	6A	4A		
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD	NAD	NAD	NAD	NAD	NAD	Amosite		A-T-045
Asbestos Matrix (microscope) _A	-	-	-	-	-	-	-	Loose Insulation		A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing) ₀	-	-	-	-	-	-	-	<0.001	% w/w	A-T-054

Envirolab Job Number: 16/06871

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/06871/18	16/06871/19	16/06871/20	16/06871/21	16/06871/22	16/06871/23	16/06871/24	16/06871/25	Units	Method ref
Client Sample No		1								
Client Sample ID	TPP40	TPP41	TPP42	TPP43	TPP44	TPP45	TPP46	TPP47		
Depth to Top	0.55	0.40	0.50	0.40	0.40	0.50	0.40	0.40		
Depth To Bottom	0.60		0.60	0.50	0.50	0.60	0.50	0.50		
Date Sampled	25-Oct-16	25-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16		
Sample Type	Soil	Soil - D	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	4A	6A	6A	6A	6A	6A	6A	4A		
PAH 16										
Acenaphthene _A ^{M#}	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-019s
Anthracene _A ^{M#}	<0.02	-	-	-	-	-	-	-	mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	0.06	-	-	-	-	-	-	-	mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	0.07	-	-	-	-	-	-	-	mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	<0.05	-	-	-	-	-	-	-	mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	<0.05	-	-	-	-	-	-	-	mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	<0.07	-	-	-	-	-	-	-	mg/kg	A-T-019s
Chrysene _A ^{M#}	<0.06	-	-	-	-	-	-	-	mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	<0.04	-	-	-	-	-	-	-	mg/kg	A-T-019s
Fluoranthene _A ^{M#}	<0.08	-	-	-	-	-	-	-	mg/kg	A-T-019s
Fluorene _A ^{M#}	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	0.04	-	-	-	-	-	-	-	mg/kg	A-T-019s
Naphthalene _A ^{M#}	<0.03	-	-	-	-	-	-	-	mg/kg	A-T-019s
Phenanthrene _A ^{M#}	0.06	-	-	-	-	-	-	-	mg/kg	A-T-019s
Pyrene _A ^{M#}	<0.07	-	-	-	-	-	-	-	mg/kg	A-T-019s
PAH (total 16) _A ^{M#}	0.21	-	-	-	-	-	-	-	mg/kg	A-T-019s

Envirolab Job Number: 16/06871

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/06871/18	16/06871/19	16/06871/20	16/06871/21	16/06871/22	16/06871/23	16/06871/24	16/06871/25	Units	Method ref
Client Sample No		1								
Client Sample ID	TPP40	TPP41	TPP42	TPP43	TPP44	TPP45	TPP46	TPP47		
Depth to Top	0.55	0.40	0.50	0.40	0.40	0.50	0.40	0.40		
Depth To Bottom	0.60		0.60	0.50	0.50	0.60	0.50	0.50		
Date Sampled	25-Oct-16	25-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16		
Sample Type	Soil	Soil - D	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	4A	6A	6A	6A	6A	6A	6A	4A		
TPH CWG										
Ali >C5-C6 _A [#]	<0.02	-	-	-	-	-	-	-	mg/kg	A-T-022s
Ali >C6-C8 _A [#]	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-022s
Ali >C8-C10 _A [#]	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-022s
Ali >C10-C12 _A [#]	<0.1	-	-	-	-	-	-	-	mg/kg	A-T-023s
Ali >C12-C16 _A [#]	<0.1	-	-	-	-	-	-	-	mg/kg	A-T-023s
Ali >C16-C21 _A [#]	<0.1	-	-	-	-	-	-	-	mg/kg	A-T-023s
Ali >C21-C35 _A [#]	<0.1	-	-	-	-	-	-	-	mg/kg	A-T-023s
Total Aliphatics _A	<0.1	-	-	-	-	-	-	-	mg/kg	A-T-023s
Aro >C5-C7 _A [#]	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-022s
Aro >C7-C8 _A [#]	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-022s
Aro >C8-C9 _A [#]	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-022s
Aro >C9-C10 _A [#]	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-022s
Aro >C10-C12 _A [#]	<0.1	-	-	-	-	-	-	-	mg/kg	A-T-023s
Aro >C12-C16 _A [#]	<0.1	-	-	-	-	-	-	-	mg/kg	A-T-023s
Aro >C16-C21 _A [#]	<0.1	-	-	-	-	-	-	-	mg/kg	A-T-023s
Aro >C21-C35 _A [#]	<0.1	-	-	-	-	-	-	-	mg/kg	A-T-023s
Total Aromatics _A	<0.1	-	-	-	-	-	-	-	mg/kg	A-T-023s
TPH (Ali & Aro) _A	<0.1	-	-	-	-	-	-	-	mg/kg	A-T-023s
BTEX - Benzene _A [#]	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-022s
BTEX - Toluene _A [#]	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-022s
BTEX - o Xylene _A [#]	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-022s
MTBE _A [#]	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-022s

Envirolab Job Number: 16/06871

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/06871/26	16/06871/27	16/06871/28	16/06871/29	16/06871/30	16/06871/31	16/06871/32	16/06871/33	Units	Method ref
Client Sample No										
Client Sample ID	TPP48	TPP49	TPP50	TPP51	TPP52	TPP53	TPP54	TPP55		
Depth to Top	0.40	0.50	0.45	0.40	0.40	0.40	0.40	0.40		
Depth To Bottom	0.50	0.60	0.50	0.50	0.50	0.50	0.50	0.50		
Date Sampled	26-Oct-16	26-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16		
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	4A	4A	4A	6A	4A	6A	3A	3A		
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	Chrysotile	Chrysotile	Amosite	NAD	NAD	NAD	NAD	NAD		A-T-045
Asbestos Matrix (visual) _A	-	Cement	-	-	-	-	-	-		A-T-045
Asbestos Matrix (microscope) _A	Loose Fibres	Cement	Loose Fibres	-	-	-	-	-		A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	No	No	N/A	N/A	N/A	N/A	N/A		

Envirolab Job Number: 16/06871

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/06871/34	16/06871/35	16/06871/36	16/06871/38	16/06871/39	16/06871/40	16/06871/41	16/06871/42	Units	Method ref
Client Sample No										
Client Sample ID	TPP56	TPP57	TPP58	TPP59	TPP60	TPP61	TPP62	TPP63		
Depth to Top	0.50	0.40	0.40	0.40	0.50	0.50	0.40	0.50		
Depth To Bottom	0.60	0.50	0.850	0.50	0.60	0.60	0.50	0.60		
Date Sampled	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16		
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	4AB	4A	6A	3A	5A	6A	6A	6A		
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD	NAD	NAD	NAD	Chrysotile	NAD	NAD		A-T-045
Asbestos Matrix (microscope) _A	-	-	-	-	-	Loose Fibres	-	-		A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

Envirolab Job Number: 16/06871

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/06871/43	16/06871/44	16/06871/46						Units	Method ref
Client Sample No										
Client Sample ID	TPP64	TPP27	TPP58 Cement							
Depth to Top	0.50	0.30								
Depth To Bottom	0.60									
Date Sampled	25-Oct-16	25-Oct-16	25-Oct-16							
Sample Type	Soil	Solid - Fragment / Tile	Solid - Fragment / Tile							
Sample Matrix Code	4A	8	8							
Asbestos in Soil (inc. matrix)										
Asbestos in soil _A [#]	NAD	-	-							A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	-	-							
Bulk Fibre ID (inc. matrix)										
Bulk Fibre Identification _A [#]	-	Chrysotile	NAD							A-T-045
Bulk Fibre Identification Matrix (visual) _A	-	Cement	-							A-T-045
Bulk Fibre Identification - Suitable for Water Absorption Test? _D	-	Yes	N/A							Gravimetry

REPORT NOTES

General:

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Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure. These are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

APPENDIX C

REGULATORY CORRESPONDANCE

Catherine Latimer

From: Matthew Kennett [Matthew.Kennett@arun.gov.uk]
Sent: 30 June 2016 11:37
To: Catherine Latimer
Subject: RE: Angmering Clarifications

Hi Cathy,

We agree that a frequency of 250m³ is sufficient coverage for validation purposes in the public open space areas.

thanks

Matthew Kennett
Pollution Officer
Environmental Health Department
01903 737696 (direct line)
Arun Civic Centre, Maltrovers Road, Littlehampton BN17 5LF
<http://www.arun.gov.uk/eh>



From: Catherine Latimer [mailto:Catherine.Latimer@arun.gov.uk]
Sent: 30 June 2016 11:37
To: Matthew Kennett
Subject: FW: Angmering Clarifications

Hi Matthew,

Our client Cala Homes have requested we get in touch to discuss the below comment you made in regards to the validation sample coverage of the public open space areas proposed at the Angmering site.

Based on Figure 6 included within the recent remedial strategy report (27621 R03 (01), there is approximately 21 942m² of public open space areas which requires a 600mm capping layer to be placed upon it. This would equate to 53 validation samples in total assuming a 250m³ frequency. This calculation includes the bunded areas for which I have calculated the number of samples required per bund for your information:

NW bund area = 2009.09m² * 0.6 m² – 5 samples
SWA bund area = 1379 m² * 0.6 m² - 4 samples
SWB bund area = 482 m² * 0.6 m² – 2 samples
NE bund area = 1482 m² * 0.6 m² – 4 samples
SE bund area = 137 m² * 0.6 m² – 1 sample
(All rounded up to the nearest whole number)

There is approximately 10 127m² of public open space requiring a 450mm capping layer to placed upon it this would equate to 19 validation samples from these areas in total.

On review we consider that a frequency of 250m³ is sufficient coverage for validation purposes in the public open space areas. Please confirm whether you are in agreement with this?

If you have any questions please do not hesitate to contact myself or Andrew James.

Kind regards,

Cathy

Cathy Latimer
Senior Geo-Environmental Consultant

RSK
Unit 16, Basepoint Abbey Enterprise Centre, Premier Way, Romsey, Hampshire, SO51 9AQ, UK



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From: Matthew Kennett [<mailto:Matthew.Kennett@arun.gov.uk>]
Sent: 25 April 2016 14:04
To: Gary Biggs
Subject: RE: Angmering Clarifications

Hi Gary,

The method statement and risk assessments are acceptable.

The Deployment Form that I have had seen details 1 in 250m3 for asbestos control, the remedial strategy details 1 in 50m3 for verification. How many samples at 1 in 50m3 do you anticipate in the communal landscaping. If 1 in 250m3 provides sufficient coverage/information then it would be acceptable.

thanks

Matthew Kennett
Pollution Officer
Environmental Health Department
01903 737696 (direct line)
Arun Civic Centre, Maltravers Road, Littlehampton BN17 5LF
<http://www.arun.gov.uk/eh>



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Catherine Latimer

From: Matthew Kennett [Matthew.Kennett@arun.gov.uk]
Sent: 28 February 2017 09:07
To: Catherine Latimer
Subject: RE: Angmering PP-05292458

Hi Cathy,

If it is covered in the verification report that will be fine,

thanks

Matthew Kennett
Pollution Officer
Environmental Health Department
01903 737696 (direct line)
Arun Civic Centre, Maltrovers Road, Littlehampton BN17 5LF
<http://www.arun.gov.uk/eh>



From: C [REDACTED]
Sent: 27 February 2017 19:02
To: Matthew Kennett
C [REDACTED]@arun.gov.uk
Subject: RE: Angmering PP-05292458

Hi Matthew,

Thank you for your time yesterday. As discussed the site manager at Angmering has concerns regarding any investigation works being undertaken in the southwest bund B at the Angmering site due to its proximity to neighbouring residents. We had discussed during our last meeting undertaking some hand pits in this area to check if the bund contained asbestos containing materials.

Given the site managers concerns and that they have now confirmed they will be unable to cap this area due to the over head cables, we propose to assume a worst case scenario and fence this area off from the public and plant prickly vegetation to deter trespassers. Photographic evidence confirming these measures have been incorporated shall be included in the verification report for this area of the site.

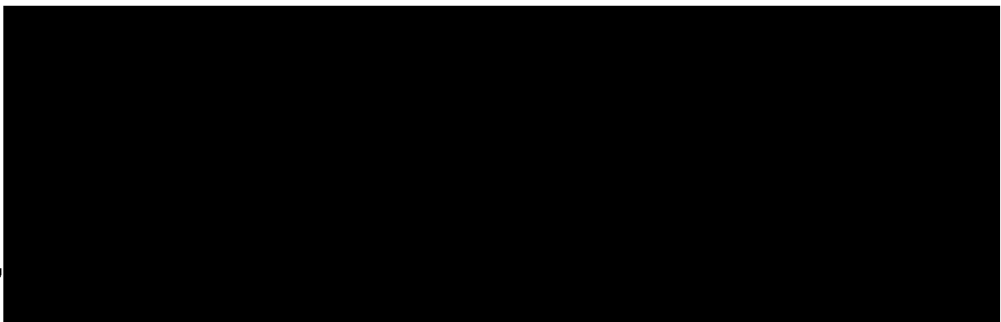
Please let me know if you have any issues or questions associated with this approach.

Kind regards,

Cathy

Cathy Latimer
Principal Geo-Environmental Consultant
(Please note I work Monday to Thursday, should you have any urgent queries on a Friday please call the Southampton office number)

RSK





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APPENDIX D

RSK GUIDELINE VALUES

Generic assessment criteria for human health: residential scenario with home-grown produce

Background

RSK's generic assessment criteria (GAC) were initially prepared following the publication by the Environment Agency (EA) of soil guideline value (SGV) and toxicological (TOX) reports, and associated publications in 2009⁽¹⁾. RSK GAC were updated following the publication of GAC by LQM/CIEH in 2009⁽²⁾. RSK GAC are periodically revised when updated information on toxicological, land use or receptor parameters is published.

Updates to the RSK GAC: 2015

In 2014, the publication of Category 4 Screening Levels (C4SL)^(3,4), as part of the Defra-funded research project SP1010, included modifications to certain exposure assumptions documented within EA Science Report SC050221/SR3 (herein after referred to as SR3)⁽⁵⁾ used in the generation of SGVs.

C4SL were published for six substances (cadmium, arsenic, benzene, benzo(a)pyrene, chromium VI and lead) for a sandy loam soil type with 6% soil organic matter, based on a low level of toxicological concern (LLTC; see Section 2.3 of research project report SP1010⁽³⁾). Where a C4SL has been published, the RSK GAC duplicates the C4SL published values using all input parameters within the SP1010 final project report⁽³⁾ and associated appendices⁽⁶⁾, and adopts them as GAC for these six substances.

For all other substances the C4SL exposure modifications, with the exception of the "top two" produce type approach taken in the C4SL, have been applied to the current RSK GAC. These include alterations to daily inhalation rates for residential and commercial scenarios, reducing soil adherence factors in children (age classes 1 to 12 only) for residential land use, reducing exposure frequency for dermal contact outdoors for residential land use, and updated produce type consumption rates (90th percentile) based on recent data from the National Diet and Nutrition Survey.

The RSK GAC have also been revised with updated toxicology published by LQM/CIEH in 2015⁽⁷⁾, where a C4SL has not been published.

RSK GAC derivation for metals and organic compounds

Model selection

Soil assessment criteria (SAC) were calculated using the Contaminated Land Exposure Assessment (CLEA) tool v1.06, supporting EA guidance^(5,8,9) and revised exposure scenarios published for the C4SL⁽³⁾. Groundwater assessment criteria (GrAC) protective of human health via the inhalation pathway were derived using the RBCA 1.3b model. RSK has updated the inputs within RBCA to reflect EA guidance^(1,5,8,9). The SAC and GrAC collectively are termed GAC.

Conceptual model

In accordance with SR3⁽⁵⁾, the residential with home-grown produce scenario considers risks to a female child between the ages of 0 and 6 years old as the highest risk scenario. In accordance

with Box 3.1 of SR3⁽⁵⁾, the pathways considered for production of the SAC in the residential with home-grown produce scenario are

- direct soil and dust ingestion
- consumption of home-grown produce
- consumption of soil attached to home-grown produce
- dermal contact with soil and indoor dust
- inhalation of indoor and outdoor dust and vapours.

Figure 1 is a conceptual model illustrating these linkages.

In line with guidance in the EA SGV report for cadmium⁽¹⁾, the RSK GAC for cadmium has been derived based on estimates representative of lifetime exposure. Although young children are generally more likely to have higher exposures to soil contaminants, the renal toxicity of cadmium, and the derivation of the TDI_{oral} and TDI_{inh} , are based on considerations of the kidney burden accumulated over 50 years or so. It is therefore reasonable to consider exposure not just in childhood but averaged over a longer period.

The pathway considered in production of the GrAC is the volatilisation of compounds from groundwater and subsequent vapour inhalation by residents while indoors. Figure 2 illustrates this linkage. Although the outdoor air inhalation pathway is also valid, this contributes little to the overall risks owing to the dilution in outdoor air. Within RBCA, the solubility limit of the chemical restricts the extent of volatilisation, which in turn drives the indoor air inhalation pathway. While the same restriction is not built into the CLEA model, the CLEA model output cells are flagged red where the soil saturation limit has been exceeded.

With respect to volatilisation, the CLEA model assumes a simple linear partitioning of a chemical in the soil between the sorbed, dissolved and vapour phase⁽⁹⁾. The upper boundaries of this partitioning are represented by the maximum aqueous solubility and pure saturated vapour concentration of the chemical. The CLEA model estimates saturated soil concentrations where these limits are reached⁽⁹⁾. The CLEA software uses a traffic light system to identify when individual and/or combined assessment criteria exceed the lower of either the aqueous- or vapour-based soil saturation limits. Model output cells are flagged red where the saturated soil concentration has been exceeded and the contribution of the indoor and outdoor vapour pathway to total exposure is greater than 10%. In this case, further consideration of the following is required⁽⁹⁾:

- Free phase contamination may be present.
- Exposure from the vapour pathways will be over-predicted by the model, as in reality the vapour phase concentration will not increase at concentrations above saturation limits
- Where the vapour pathway contribution is greater than 90%, it is unlikely the relevant health criteria value (HCV) will be exceeded at soil concentrations at least a factor of ten higher than the relevant HCV.

Where the vapour pathway is the predominant pathway (contributes greater than 90% of exposure) or the only exposure route considered and the cell is highlighted red (SAC exceeds saturation limit), the risk based on the assumed conceptual model is likely to be negligible as the vapour risk is assumed to be tolerable at maximum possible soil concentrations. In such circumstances, the vapour pathway exposure should be considered based on the presence of free phase or non-aqueous phase liquid sources and the measured concentrations of volatile organic compounds (VOC) in the vapour phase. Screening could be considered based on setting

the SAC as the modelled soil saturation limits. However, as stated within the CLEA handbook⁽⁹⁾, this is likely to not be practical in many cases because of the very low saturation limits and, in any case, is highly conservative.

It should also be noted that for mixtures of compounds, free phase may be present where soil (or groundwater) concentrations are well below saturation limits for individual compounds.

Where the vapour pathway is only one of the exposure pathways considered, an additional approach can then be utilised as detailed within Section 4.12 of the CLEA model handbook⁽⁹⁾, which explains how to calculate an effective assessment criterion manually.

SR3⁽⁵⁾ states that, as a general rule of thumb, it is recognised that estimating vapour phase concentrations from dissolved and sorbed phase contamination by petroleum hydrocarbons are at least a factor of ten higher than those likely to be measured on-site. RSK has therefore applied an empirical subsurface to indoor air correction factor of 10 into the CLEA model chemical database for all petroleum hydrocarbon fractions (including BTEX, trimethylbenzenes and the polycyclic aromatic hydrocarbons (PAH) naphthalene, acenaphthene and acenaphthylene) to reduce this conservatism.

Input selection

The most up-to-date published chemical and toxicological data was obtained from EA Report SC050021/SR7⁽¹⁰⁾, the EA TOX⁽¹¹⁾ reports, the C4SL SP1010 project report and associated appendices^(3,6) or the 2015 LQM/CIEH report⁽⁷⁾. Where a C4SL has been published, the RSK GAC have duplicated the C4SL published values using all input parameters within the SP1010 final project report⁽³⁾ and associated appendices⁽⁶⁾, and has adopted them as GAC for these six substances. Toxicological and specific chemical parameters for aromatic hydrocarbon C₈–C₉ (styrene), 1,2,4-trimethylbenzene and methyl tertiary-butyl ether (MTBE) were obtained from the CL:AIRE Soil Generic Assessment Criteria report⁽¹¹⁾.

For TPH, aromatic hydrocarbons C₅–C₈ were not modelled, as this range comprises benzene and toluene, which are modelled separately. The aromatic C₈–C₉ hydrocarbon fraction comprises ethylbenzene, xylene and styrene. As ethylbenzene and xylene are being modelled separately, the physical, chemical and toxicological data for aromatic C₈–C₉ have been taken from styrene.

For the GrAC, owing to the lack of UK-specific data, default information in the RBCA model was used to evaluate MTBE. No published UK data was available for 1,3,5-trimethylbenzene, so information was obtained from the RBCA model. RBCA uses toxicity data for the inhalation pathway in different units to the CLEA model and cannot consider separately the mean daily intake (MDI), occupancy periods or breathing rates. Therefore, the HCV in RBCA was amended to take account of

- amendments to the MDI using Table 3.4 of SR2⁽⁸⁾
- a child weighing 13.3kg (average of 0–6 year old female in accordance with Table 4.6 of SR3⁽⁵⁾) and breathing 11.85m³ (average daily inhalation rate for a 0–6-year old female in accordance with Table 4.14 of SR3⁽⁵⁾). Inhalation rates used in the derivation of the GrAC have not been updated in line with the 2011 USEPA published values⁽¹²⁾; these will be updated in subsequent revisions of the RSK GAC. The lower inhalation rates presented by the USEPA in 2011 for ages classes 1 to 11 (values are higher for age classes 12 to 18) are not considered to make a significant difference.
- the 50% rule (for petroleum hydrocarbons, trimethylbenzenes and MTBE)^(8,9) where MDI data is not available but background exposure is considered important in the overall exposure.

Physical parameters

For the residential with home-grown produce scenario, the CLEA default building is a small, two-storey terrace house with a concrete ground-bearing slab. The house is assumed to have a 100m² private garden consisting of lawn and flowerbeds, incorporating a 20m² plot for growing fruit and vegetables consumed by the residents. SR3⁽⁵⁾ notes this residential building type to be the most conservative in terms of potential for vapour intrusion. The building parameters used in the production of the RSK GACs are the default CLEA v1.06 inputs presented in Table 3.3 of SR3⁽³⁾, with a dust loading factor detailed in Section 9.3 of SR3⁽⁵⁾. The parameters for a sandy loam soil type were used in line with Table 4.4 of SR3⁽⁵⁾. This includes a value of 6% for the percentage of soil organic matter (SOM) within the soil. In RSK's experience, this is rather high for many sites. To avoid undertaking site-specific risk assessments for SOM, RSK has produced an additional set of GAC for SOM of 1% and 2.5% for all substances using the CLEA tool.

For the GrAC, the depth to groundwater was taken as 2.5m based on RSK's experience of assessing the volatilisation pathway from groundwater. The GrAC were produced using the input parameters in Table 4.

Summary of modifications to the default CLEA 1.06/SR3⁽⁵⁾ input parameters for residential with home-grown produce land-use scenario

In summary, the RSK GAC were produced using the default input parameters for soil properties, the air dispersion model, building properties and the vapour model detailed in SR3⁽⁵⁾. Modifications to the default SR3⁽⁵⁾ exposure scenarios based on the C4SL exposure scenarios⁽³⁾ are presented in Tables 2 and 3 below.

The final selected GAC are presented by pathway in Table 5 and the combined GAC in Table 6.

Figure 1: Conceptual model for residential scenario with home-grown produce

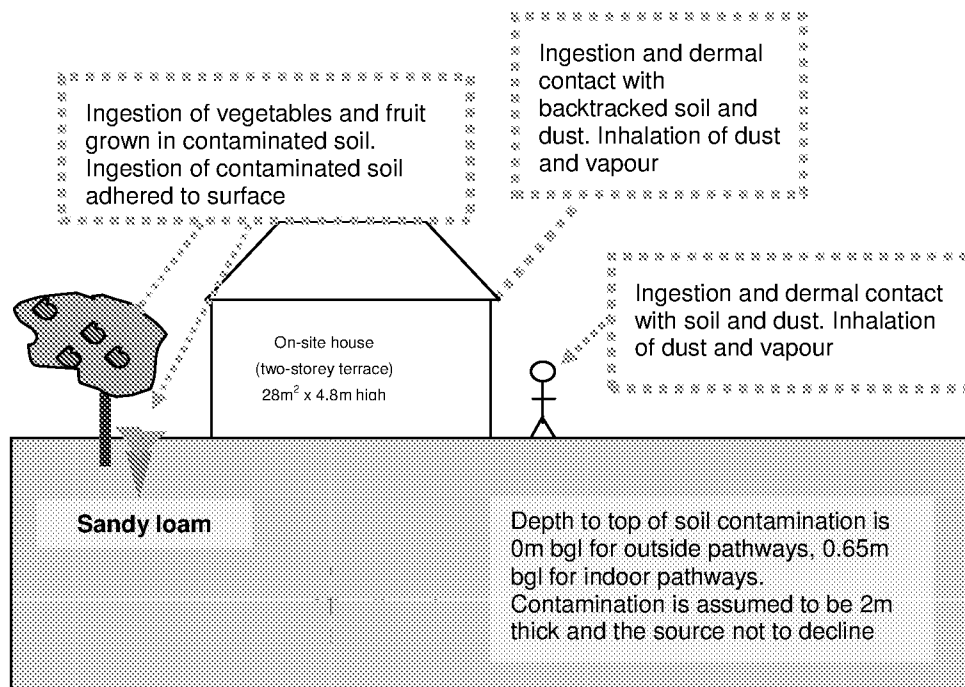


Table 1: Exposure assessment parameters for residential scenario with home-grown produce – inputs for CLEA model

Parameter	Value	Justification
Land use	Residential with homegrown produce	Chosen land use
Receptor	Female child age 1 to 6	Key generic assumption given in Box 3.1, SR3 ⁽⁵⁾
Building	Small terraced house	Key generic assumption given in Box 3.1, SR3. Small, two-storey terraced house chosen, as it is the most conservative residential building type in terms of protection from vapor intrusion (Section 3.4.6, SR3) ⁽⁵⁾
Soil type	Sandy Loam	Most common UK soil type (Section 4.3.1, from Table 3.1, SR3) ⁽⁵⁾
Start AC (age class)	1	Range of age classes corresponding to key generic assumption that the critical receptor is a young female child aged 0–6. From Box 3.1, SR3 ⁽⁵⁾
End AC (age class)	6	
SOM (%)	6	Representative of sandy loamy soil according to EA guidance note dated January 2009 entitled 'Changes We Have Made to the CLEA Framework Documents' ⁽¹³⁾
	1	To provide SAC for sites where SOM <6% as often observed by RSK
	2.5	
pH	7	Model default

Table 2: Residential with home-grown produce – modified home-grown produce data

Name	Consumption rate 90 th percentile (g FW kg ⁻¹ BW day ⁻¹) by age class						Dry weight conversion factor (g DW g ⁻¹ FW)	Home-grown fraction (average)	Home-grown fraction (high end)	Soil loading factor (g g ⁻¹ DW)	Preparation correction factor
	1	2	3	4	5	6					
Green vegetables	7.12	5.87	5.87	5.87	4.53	4.53	0.096	0.05	0.33	1.00E-03	2.00E-01
Root vegetables	10.7	2.83	2.83	2.83	2.14	2.14	0.103	0.06	0.4	1.00E-03	1.00E+00
Tuber vegetables	16	6.6	6.6	6.6	4.95	4.95	0.21	0.02	0.13	1.00E-03	1.00E+00
Herbaceous fruit	1.83	3.39	3.39	3.39	2.24	2.24	0.058	0.06	0.4	1.00E-03	6.00E-01
Shrub fruit	2.23	0.46	0.46	0.46	0.19	0.19	0.166	0.09	0.6	1.00E-03	6.00E-01
Tree fruit	3.82	10.3	10.3	10.3	5.16	5.16	0.157	0.04	0.27	1.00E-03	6.00E-01
Justification	Table 3.4, SP1010 ⁽³⁾						Table 6.3, SR3 ⁽⁵⁾	Table 4.19, SR3 ⁽⁵⁾		Table 6.3, SR3 ⁽⁵⁾	

Table 3: Residential with home-grown produce – modified and use and receptor data

Parameter	Unit	Age class					
		1	2	3	4	5	6
EF (soil and dust ingestion)	day yr ⁻¹	180	365	365	365	365	365
EF (consumption of home-grown produce)	day yr ⁻¹	180	365	365	365	365	365
EF (skin contact, indoor)	day yr ⁻¹	180	365	365	365	365	365
EF (skin contact, outdoor)	day yr ⁻¹	170	170	170	170	170	170
EF (inhalation of dust and vapour, indoor)	day yr ⁻¹	365	365	365	365	365	365
EF (inhalation of dust and vapour, outdoor)	day yr ⁻¹	365	365	365	365	365	365
Justification		Table 3.5, SP1010 ⁽³⁾ ; Table 3.1, SR3 ⁽⁵⁾					
Soil to skin adherence factor (outdoor)	mg cm ⁻² day ⁻¹	0.1	0.1	0.1	0.1	0.1	0.1
Justification		Table 3.5, SP1010 ⁽³⁾					
Inhalation rate	m ³ day ⁻¹	5.4	8.0	8.9	10.1	10.1	10.1
Justification		Mean value USEPA, 2011 ⁽¹²⁾ ; Table 3.2, SP1010 ⁽³⁾					
Notes: For cadmium , the exposure assessment for a residential land use is based on estimates representative of lifetime exposure AC1-18. This is because the TDI _{oral} and TDI _{inh} are based on considerations of the kidney burden accumulated over 50 years. It is therefore reasonable to consider exposure not just in childhood but averaged over a longer period. See the Environment Agency Science Report SC05002/ TOX 3 ⁽¹⁾ , Science Report SC050021/Cadmium SGV ⁽¹⁾ and the project report SP1010 ⁽³⁾ for more information.							

Figure 2: GrAC conceptual model for RBCA residential with home-grown produce scenario

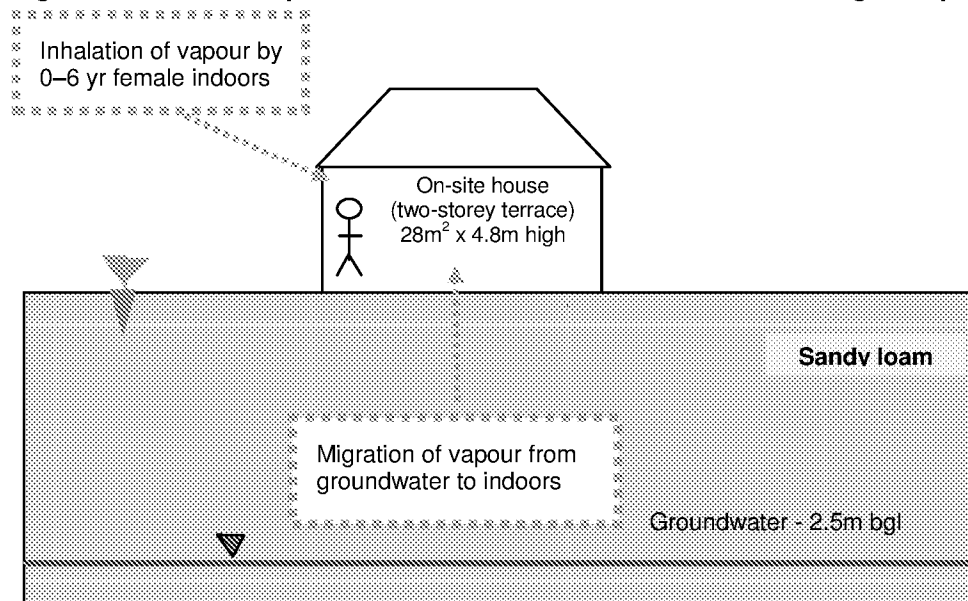


Table 4: Residential with home-grown produce – RBCA inputs

Parameter	Unit	Value	Justification
Receptor			
Averaging time	Years	6	From Box 3.1, SR3 ⁽⁵⁾
Receptor weight	kg	13.3	Average of CLEA 0–6 year old female data, Table 4.6, SR3 ⁽⁵⁾
Exposure duration	Years	6	From Box 3.1, report, SR3 ⁽⁵⁾
Exposure frequency	Days/yr	350	Weighted using occupancy period of 23 hours per day for 365 days of the year
Soil type – sandy loam			
Total porosity	-	0.53	CLEA value for sandy loam. Parameters for sandy loam from Table 4.4, SR3 ⁽⁵⁾
Volumetric water content	-	0.33	
Volumetric air content	-	0.20	
Dry bulk density	g cm ⁻³	1.21	
Vertical hydraulic conductivity	cm s ⁻¹	3.56E-3	CLEA value for saturated conductivity of sandy loam, Table 4.4, SR3 ⁽⁵⁾
Vapour permeability	m ²	3.05E-12	Calculated for sandy loam using equations in Appendix 1, SR3 ⁽⁵⁾
Capillary zone thickness	m	0.1	Professional judgement
Fraction organic carbon	%	0.0348	Representative of sandy loam according to EA guidance note dated January 2009 entitled 'Changes We Have Made to the CLEA Framework Documents' ⁽¹³⁾
Building			
Building volume/area ratio	m	4.8	Table 3.3, SR3 ⁽⁵⁾
Foundation area	m ²	28	
Foundation perimeter	m	22	Calculated assuming building measures 7m x 4m to give 28m ² foundation area
Building air exchange rate	d ⁻¹	12	Table 3.3, SR3 ⁽⁵⁾
Depth to bottom of foundation slab	m	0.15	
Foundation thickness	m	0.15	
Foundation crack fraction	-	0.0151	Calculated from floor crack area of 423 cm ² and building footprint of 28m ² in Table 4.21, SR3 ⁽⁵⁾
Volumetric water content of cracks	-	0.33	Assumed equal to underlying soil type in assumption that cracks become filled with soil over time. Parameters for sandy loam from Table 4.4, SR3 ⁽⁵⁾
Volumetric air content of cracks	-	0.2	
Indoor/outdoor differential pressure	Pa	3.1	From Table 3.3, SR3 ⁽⁵⁾

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GENERIC ASSESSMENT CRITERIA FOR HUMAN HEALTH - RESIDENTIAL WITH HOME-GROWN PRODUCE



Table 5

Human Health Generic Assessment Criteria by Pathway for Residential With Home-Grown Produce Scenario

Compound	Notes	GrAC (mg/l)	SAC Appropriate to Pathway SOM 1% (mg/kg)			Soil Saturation Limit (mg/kg)	SAC Appropriate to Pathway SOM 2.5% (mg/kg)			Soil Saturation Limit (mg/kg)	SAC Appropriate to Pathway SOM 6% (mg/kg)			Soil Saturation Limit (mg/kg)
			Oral	Inhalation	Combined		Oral	Inhalation	Combined		Oral	Inhalation	Combined	
Metals														
Arsenic	(a,b)	-	3.71E+01	5.28E+02	NR	NR	3.71E+01	5.28E+02	NR	NR	3.71E+01	5.28E+02	NR	NR
Cadmium	(a)	-	NR	NR	2.80E+01	NR	NR	NR	2.80E+01	NR	NR	NR	2.80E+01	NR
Chromium (III) - trivalent	(c)	-	1.84E+04	9.07E+02	8.85E+02	NR	1.84E+04	9.07E+02	8.85E+02	NR	1.84E+04	9.07E+02	8.85E+02	NR
Chromium (VI) - hexavalent	(a,d)	-	2.32E+01	2.06E+01	NR	NR	2.32E+01	2.06E+01	NR	NR	2.32E+01	2.06E+01	NR	NR
Copper	-	-	2.73E+03	1.41E+04	8.47E+03	NR	2.73E+03	1.41E+04	8.47E+03	NR	2.73E+03	1.41E+04	8.47E+03	NR
Lead	(a)	-	2.81E+02	NR	NR	NR	2.81E+02	NR	NR	NR	2.81E+02	NR	NR	NR
Elemental Mercury (Hg ⁰)	(d)	9.40E-03	NR	2.95E+01	NR	4.31E+00	NR	9.80E+01	NR	1.07E+01	NR	1.22E+00	NR	2.58E+01
Inorganic Mercury (Hg ²⁺)	-	-	3.95E+01	3.69E+03	2.31E+01	NR	3.95E+01	3.69E+03	2.31E+01	NR	3.95E+01	3.69E+03	2.31E+01	NR
Methyl Mercury (Hg ⁴⁺)	-	2.00E+01	1.29E+01	1.87E+01	7.33E+00	7.33E+01	1.29E+01	2.68E+01	3.24E+00	1.42E+02	1.29E+01	2.68E+01	1.98E+01	3.04E+02
Nickel	(d)	-	1.27E+02	1.81E+02	NR	NR	1.27E+02	1.81E+02	NR	NR	1.27E+02	1.81E+02	NR	NR
Selenium	(b)	-	2.69E+02	NR	NR	NR	2.69E+02	NR	NR	NR	2.69E+02	NR	NR	NR
Zinc	(b)	-	2.89E+03	3.69E+07	NR	NR	3.89E+03	3.62E+07	NR	NR	2.89E+03	3.69E+07	NR	NR
Cyanide	-	-	2.74E+01	4.09E+00	3.79E+00	NR	2.74E+01	4.09E+00	3.79E+00	NR	2.74E+01	4.09E+00	3.79E+00	NR
Volatile Organic Compounds														
Benzene	(a)	7.20E+00	3.82E+01	8.01E+01	2.03E+01	1.22E+03	5.39E+01	1.88E+00	4.06E+01	2.26E+03	1.16E+00	3.46E+00	8.72E+01	4.71E+03
Toluene	-	8.90E+02	1.63E+02	9.08E+02	1.31E+02	8.69E+02	3.49E+02	2.00E+03	2.97E+02	1.92E+03	7.95E+02	4.55E+03	6.77E+02	4.36E+03
Ethylbenzene	-	1.60E+02	1.10E+02	3.34E+01	4.74E+01	5.18E+02	2.61E+02	1.99E+02	1.12E+02	1.22E+03	9.00E+02	4.59E+02	2.90E+02	2.84E+03
Xylene - m	-	8.40E+01	2.10E+02	8.25E+01	5.92E+01	6.25E+02	5.01E+02	1.46E+02	1.40E+02	1.47E+03	1.18E+03	4.69E+02	3.27E+02	3.46E+03
Xylene - o	-	1.60E+02	1.89E+02	6.67E+01	6.07E+01	4.78E+02	1.58E+02	2.08E+02	1.45E+02	1.12E+03	1.05E+03	4.69E+02	3.12E+02	2.62E+03
Xylene - p	-	8.70E+01	1.89E+02	7.98E+01	6.69E+01	5.76E+02	4.70E+02	1.96E+02	1.38E+02	1.35E+03	1.09E+03	4.36E+02	3.10E+02	3.17E+03
Total xylene	-	8.40E+01	1.82E+02	7.89E+01	5.86E+01	6.25E+02	4.56E+02	1.96E+02	1.39E+02	1.47E+03	1.05E+03	4.36E+02	3.10E+02	3.46E+03
Methyl tertiary-Butyl ether (MTBE)	-	2.20E+03	1.54E+02	1.04E+02	1.34E+02	2.04E+04	2.97E+02	1.69E+03	2.53E+02	3.31E+04	6.09E+02	3.21E+03	3.09E+02	6.27E+04
Trichloroethene	-	1.80E+00	2.83E+01	1.72E+02	1.62E+02	1.54E+03	8.38E+01	3.59E+02	3.40E+02	3.22E+03	1.44E+00	1.96E+02	7.95E+02	7.14E+03
Tetrachloroethene	-	3.60E+00	4.49E+00	1.79E+01	1.79E+01	4.24E+02	1.04E+01	4.02E+01	3.94E+01	9.51E+02	2.39E+01	8.21E+01	8.04E+01	2.18E+03
1,1,1-Trichloroethane	-	2.60E+01	3.39E+02	8.01E+00	8.77E+00	1.43E+03	7.89E+02	1.84E+01	1.89E+01	2.92E+03	1.62E+03	4.94E+01	3.94E+01	6.39E+03
1,1,1,2-Tetrachloroethane	-	1.40E+01	6.29E+00	1.94E+00	1.30E+00	2.60E+03	1.27E+01	3.56E+00	2.79E+00	6.02E+03	2.98E+01	8.29E+00	8.49E+00	1.40E+04
1,1,2,2-Tetrachloroethane	-	1.40E+01	2.81E+00	2.95E+00	1.64E+00	2.67E+03	6.09E+00	3.04E+00	3.47E+00	5.46E+03	1.26E+01	1.79E+01	7.87E+00	1.20E+04
Carbon Tetrachloride	-	5.50E+02	3.19E+04	8.39E+03	2.57E+02	1.52E+03	1.11E+00	5.69E+02	5.69E+02	3.32E+03	1.82E+01	1.89E+01	1.27E+01	7.54E+03
1,2-Dichloroethane	-	3.00E+01	2.13E+02	5.20E+03	7.19E+02	3.41E+03	3.79E+02	1.39E+02	1.98E+02	4.91E+03	1.09E+01	3.39E+02	1.98E+02	8.43E+03
Vinyl Chloride	-	1.90E+02	3.82E+03	7.79E+04	8.43E+04	1.36E+03	6.87E+03	1.06E+03	8.73E+04	1.76E+03	1.25E+02	1.53E+03	1.39E+03	2.69E+03
1,2,4-Trimethylbenzene	-	7.50E+02	NR	1.75E+00	NR	4.74E+02	NR	4.38E+00	NR	1.16E+03	NR	3.72E+00	NR	2.76E+03
1,3,5-Trimethylbenzene	(e)	4.70E+02	NR	NR	NR	2.30E+02	NR	NR	NR	5.52E+02	NR	NR	NR	1.30E+03
Semi-Volatile Organic Compounds														
Acenaphthene	-	3.26E+00	2.27E+02	4.86E+04	2.28E+02	5.70E+01	5.41E+02	1.18E+05	5.38E+02	1.41E+02	1.16E+03	2.88E+05	1.17E+05	3.36E+02
Acenaphthylene	-	4.20E+00	1.85E+02	4.59E+04	1.84E+02	8.61E+01	4.42E+02	1.11E+05	4.40E+02	2.12E+02	9.78E+02	2.53E+05	9.74E+02	5.06E+02
Acridene	-	2.10E+02	2.43E+03	1.59E+05	3.39E+03	1.17E+00	5.53E+02	3.77E+05	5.45E+03	2.91E+00	1.10E+04	8.76E+05	1.09E+04	6.96E+00
Benzo(a)anthracene	-	3.80E+03	1.01E+01	2.47E+01	7.18E+00	1.71E+00	1.42E+01	4.37E+01	1.07E+01	4.28E+00	1.89E+01	6.29E+01	1.39E+01	1.03E+01
Benzo(b)fluoranthene	-	2.00E+03	2.96E+00	1.89E+01	2.56E+00	1.22E+00	3.89E+00	2.13E+01	3.29E+00	3.04E+00	4.45E+00	2.22E+01	2.69E+00	7.29E+00
Benzo(g,h,i)perylene	-	2.80E+04	3.77E+02	1.87E+03	3.14E+02	1.54E+02	4.09E+02	1.94E+03	3.38E+02	3.85E+02	4.23E+02	1.97E+03	2.48E+02	9.23E+02
Benzo(k)fluoranthene	-	8.00E+04	8.92E+01	5.41E+02	7.86E+01	6.87E+01	1.10E+02	9.76E+02	9.22E+01	1.72E+00	1.21E+02	5.91E+02	1.00E+02	4.12E+00
Chrysene	-	2.00E+03	1.66E+01	1.19E+02	1.46E+01	4.40E+01	2.84E+01	1.49E+02	2.17E+01	1.10E+00	3.19E+01	1.66E+02	2.87E+01	2.64E+00
Dibenz(a,h)anthracene	-	8.00E+04	2.90E+01	1.45E+00	2.41E+01	3.93E+03	2.43E+01	1.64E+00	2.84E+01	9.82E+03	5.69E+01	1.74E+00	3.04E+01	2.36E+02
Fluoranthene	-	2.30E+01	2.87E+02	3.89E+04	2.85E+02	1.89E+01	5.69E+02	8.87E+04	5.60E+02	4.73E+01	9.00E+02	1.83E+05	8.90E+02	1.13E+02
Fluorene	-	1.80E+00	1.77E+02	6.20E+03	1.72E+02	3.09E+01	4.13E+02	1.53E+04	4.07E+02	7.65E+01	8.96E+02	3.69E+04	8.78E+02	1.83E+02
Indeno(1,2,3-cd)pyrene	-	2.00E+04	3.09E+01	2.12E+02	2.78E+01	6.13E+02	4.22E+01	2.38E+02	3.59E+01	1.53E+01	4.92E+01	2.50E+02	4.11E+01	3.68E+01
Phenanthrene	-	6.30E+01	8.85E+01	7.17E+03	9.72E+01	3.60E+01	2.24E+02	1.76E+04	2.22E+02	8.96E+01	4.48E+02	4.07E+04	4.43E+02	2.14E+02
Pyrene	-	1.30E+01	6.29E+02	8.79E+04	6.20E+02	2.20E+00	1.25E+02	2.04E+05	1.24E+03	5.49E+00	2.05E+03	4.23E+05	2.04E+03	1.32E+01
Benzo(a)pyrene	(a)	3.80E+03	4.91E+00	3.51E+01	4.30E+00	9.11E+01	4.91E+00	3.77E+01	4.34E+00	2.28E+00	4.91E+00	3.89E+01	4.39E+00	5.46E+00
Naphthalene	-	1.80E+03	2.78E+01	2.39E+01	1.37E+01	7.64E+01	8.89E+01	3.56E+01	3.04E+01	1.83E+02	1.50E+02	1.21E+02	2.96E+01	4.32E+02
Phenol	-	-	1.80E+02	4.96E+02	1.30E+02	2.42E+04	2.98E+02	8.99E+02	8.79E+02	3.81E+04	5.89E+02	1.19E+03	2.89E+02	7.03E+04

GENERIC ASSESSMENT CRITERIA FOR HUMAN HEALTH - RESIDENTIAL WITH HOME-GROWN PRODUCE



Table 5

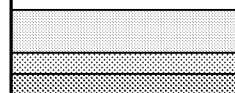
Human Health Generic Assessment Criteria by Pathway for Residential With Home-Grown Produce Scenario

Compound	Notes	GrAC (mg/l)	SAC Appropriate to Pathway SOM 1% (mg/kg)			Soil Saturation Limit (mg/kg)	SAC Appropriate to Pathway SOM 2.5% (mg/kg)			Soil Saturation Limit (mg/kg)	SAC Appropriate to Pathway SOM 6% (mg/kg)			Soil Saturation Limit (mg/kg)
			Oral	Inhalation	Combined		Oral	Inhalation	Combined		Oral	Inhalation	Combined	
Total Petroleum Hydrocarbons														
Aliphatic hydrocarbons <EC ₉ -EC ₃		1.00E+01	4.96E+03	4.24E+01	4.23E+01	3.04E+02	1.12E+04	7.79E+01	7.78E+01	5.58E+02	2.41E+04	1.81E+02	1.80E+02	1.15E+03
Aliphatic hydrocarbons >EC ₉ -EC ₅		5.40E+00	1.46E+04	1.04E+02	1.03E+02	1.44E+02	3.27E+04	3.31E+02	3.31E+02	3.22E+02	6.47E+04	3.89E+02	3.88E+02	7.36E+02
Aliphatic hydrocarbons >EC ₉ -EC ₁₀		2.30E+01	1.45E+03	2.66E+03	3.87E+01	7.77E+01	2.42E+03	6.59E+01	6.50E+01	1.90E+02	3.29E+03	1.36E+02	1.34E+02	4.51E+02
Aliphatic hydrocarbons >EC ₁₀ -EC ₁₂		3.40E+02	3.47E+03	1.33E+02	1.32E+02	4.75E+01	3.98E+03	3.31E+02	3.24E+02	1.18E+02	4.23E+03	7.93E+02	7.52E+02	2.83E+02
Aliphatic hydrocarbons >EC ₁₇ -EC ₁₆		7.60E+04	4.36E+03	1.11E+03	1.03E+03	2.37E+01	4.40E+03	2.78E+03	2.22E+03	5.91E+01	4.41E+03	6.67E+03	3.47E+03	1.42E+02
Aliphatic hydrocarbons >EC ₁₆ -EC ₃₅	(b)	-	5.28E+04	NR	NR	8.48E+00	6.95E+04	NR	NR	2.12E+01	7.94E+04	NR	NR	5.09E+01
Aliphatic hydrocarbons >EC ₃₅ -EC ₄₄	(b)	-	5.28E+04	NR	NR	8.48E+00	6.95E+04	NR	NR	2.12E+01	7.94E+04	NR	NR	5.09E+01
Aromatic hydrocarbons >EC ₉ -EC ₉ (styrene)		7.40E+00	1.67E+01	5.22E+02	1.05E+01	6.26E+02	2.51E+01	1.20E+03	2.46E+01	1.44E+03	5.73E+01	3.79E+03	5.80E+01	3.35E+03
Aromatic hydrocarbons >EC ₉ -EC ₁₀		7.40E+00	6.71E+01	4.74E+04	3.44E+01	6.13E+02	1.96E+02	1.16E+02	8.39E+01	1.50E+03	2.81E+03	2.77E+02	1.69E+02	3.58E+02
Aromatic hydrocarbons >EC ₁₀ -EC ₁₂		2.50E+01	8.17E+01	2.59E+02	7.42E+01	3.64E+02	1.90E+02	6.39E+02	1.74E+02	8.99E+02	3.95E+02	1.58E+03	3.67E+02	2.15E+03
Aromatic hydrocarbons >EC ₁₂ -EC ₁₉		5.60E+00	1.42E+02	2.85E+03	1.41E+02	1.69E+02	3.18E+02	7.07E+03	3.14E+02	4.19E+02	6.06E+02	1.68E+04	6.03E+02	1.00E+03
Aromatic hydrocarbons >EC ₁₉ -EC ₂₁	(b)	-	2.46E+02	NR	NR	5.37E+01	4.84E+02	NR	NR	1.34E+02	7.69E+02	NR	NR	3.21E+02
Aromatic hydrocarbons >EC ₂₁ -EC ₂₅	(b)	-	8.72E+02	NR	NR	4.83E+00	1.10E+03	NR	NR	1.21E+01	1.22E+03	NR	NR	2.90E+01
Aromatic hydrocarbons >EC ₂₅ -EC ₄₄	(b)	-	8.72E+02	NR	NR	4.83E+00	1.10E+03	NR	NR	1.21E+01	1.22E+03	NR	NR	2.90E+01

Notes:

EC - equivalent carbon; GrAC - groundwater assessment criteria; SAC - soil assessment criteria.

The CLEA model output is colour coded depending upon whether the soil saturation limit has been exceeded.



Calculated SAC exceeds soil saturation limit and may significantly affect the interpretation of any exceedances since the contribution of the indoor and outdoor vapour pathway to total exposure is >10%. This shading has also been used for the RSCA output where the theoretical solubility limit has been exceeded.

Calculated SAC exceeds soil saturation limit but will not affect the SSV significantly since the contribution of the indoor and outdoor vapour pathway to total exposure is <10%.

Calculated SAC does not exceed the soil saturation limit.

For consistency where the theoretical solubility limit within RSCA has been exceeded in production of the GrAC, these cells have also been hatched red.

The SAC for organic compounds are dependent upon soil organic matter (SOM) (%) content. To obtain SOM from total organic carbon (TOC) (%) divide by 0.58. 1% SOM is 0.58% TOC. DL Rowell Soil Science: Methods and Applications, Longmans, 1994.

SAC for TPH fractions, polycyclic aromatic hydrocarbons, MTBE, BTEX and trimethylbenzene compounds were produced using an attenuation factor for the indoor air inhalation pathway of 10 to reduce conservatism associated with the vapour inhalation pathway (Section 10.1.1, SR3)

(a) SAC for arsenic, benzenes, benzo(a)pyrene, cadmium, chromium VI and lead are derived using the C4SL toxicology data.

(b) SAC for selenium should not include the inhalation pathway as no expert group HCV has been derived; aliphatic and aromatic hydrocarbons >EC16 should not include inhalation pathway due to their non-volatile nature and inhalation exposure being minimal (oral, dermal and inhalation exposure is compared to the oral HCV); arsenic should only be based on oral contribution (rather than combined) owing to the relative small contribution from inhalation in accordance with the SGV report. The Oral SAC should be adopted for zinc and benzo(a)pyrene.

(c) SAC for CrIII should be based on the lower of the oral and inhalation SAC (see LQM/CIEH 2015 Section 6.8)

(d) SAC for elemental mercury, chromium VI and nickel should be based on the inhalation pathway only.

(e) SAC for 1,3,5-trimethylbenzene is not recorded owing to the lack of toxicological data, SAC for 1,2,4 trimethylbenzene may be used.

GENERIC ASSESSMENT CRITERIA FOR HUMAN HEALTH - RESIDENTIAL WITH HOME-GROWN PRODUCE



Table 6
Human Health Generic Assessment Criteria for Residential with home-grown produce

Compound	GrAC for Groundwater (mg/l)	SAC for Soil SOM 1% (mg/kg)	SAC for Soil SOM 2.5% (mg/kg)	SAC for Soil SOM 6% (mg/kg)
Metals				
Arsenic	-	37	37	37
Cadmium	-	30	30	30
Chromium (III) - trivalent	-	910	910	910
Chromium (VI) - hexavalent	-	21	21	21
Copper	-	2,500	2,500	2,500
Lead	-	200	200	200
Elemental Mercury (Hg ⁰)	0.0094	0.2	0.6	1.2
Inorganic Mercury (Hg ²⁺)	-	39	39	39
Methyl Mercury (Hg ⁴⁺)	20	10	10	10
Nickel	-	130	130	130
Selenium	-	258	258	258
Zinc	-	3,900	3,900	3,900
Cyanide	-	3.8	3.8	3.8
Volatile Organic Compounds				
Benzene	7.2	0.20	0.41	0.87
Toluene	590	130	300	680
Ethylbenzene	180	50	110	260
Xylene - m	84	59	140	327
Xylene - o	100	61	143	332
Xylene - p	87	57	133	310
Total xylene	84	57	133	310
Methyl tertiary-Butyl ether (MTBE)	2200	130	250	510
Trichloroethene	1.8	0.02	0.03	0.08
Tetrachloroethene	3.6	0.2	0.4	0.9
1,1,1-Trichloroethane	26	9	18	39
1,1,1,2-Tetrachloroethane	14	1.2	2.8	6.5
1,1,2,2-Tetrachloroethane	14	1.6	3.5	7.7
Carbon Tetrachloride	0.055	0.026	0.056	0.127
1,2-Dichloroethane	0.3	0.007	0.011	0.019
Vinyl Chloride	0.019	0.0006	0.0009	0.0014
1,2,4-Trimethylbenzene	0.075	1.8	4.3	9.7
1,3,5-Trimethylbenzene	0.047	NR	NR	NR
Semi-Volatile Organic Compounds				
Acenaphthene	3.2	230	540	1,170
Acenaphthylene	4.2	180	440	970
Anthracene	0.021	2,400	5,500	10,900
Benzo(a)anthracene	0.0038	7	11	13
Benzo(b)fluoranthene	0.002	2.6	3.3	3.7
Benzo(g,h,i)perylene	0.00026	310	340	350
Benzo(k)fluoranthene	0.0008	77	92	100
Chrysene	0.002	15	22	27
Dibenzo(a,h)anthracene	0.0006	0.24	0.28	0.30
Fluoranthene	0.23	280	560	900
Fluorene	1.9	170	410	880
Indeno(1,2,3-cd)pyrene	0.0002	27	36	41
Phenanthrene	0.53	100	220	440
Pyrene	0.13	620	1,240	2,040
Benzo(a)pyrene	0.0038	5	5	5
Naphthalene	19	13	30	71
Phenol	-	120	210	390
Total Petroleum Hydrocarbons				
Aliphatic hydrocarbons EC ₅ -EC ₈	10	42	78	160
Aliphatic hydrocarbons >EC ₈ -EC ₈	5.4	100	230	530
Aliphatic hydrocarbons >EC ₈ -EC ₁₀	0.23	27	65	154
Aliphatic hydrocarbons >EC ₁₀ -EC ₁₂	0.034	130 (48)	320 (118)	750 (283)
Aliphatic hydrocarbons >EC ₁₂ -EC ₁₆	0.00076	1,000 (24)	2,200 (59)	3,500 (142)
Aliphatic hydrocarbons >EC ₁₆ -EC ₃₅	-	53,000 (8)	70,000 (21)	79,000
Aliphatic hydrocarbons >EC ₃₅ -EC ₄₄	-	53,000 (8)	70,000 (21)	79,000
Aromatic hydrocarbons >EC ₈ -EC ₉ (styrene)	7.4	11	25	56
Aromatic hydrocarbons >EC ₉ -EC ₁₀	7.4	34	83	189
Aromatic hydrocarbons >EC ₁₀ -EC ₁₂	25	74	174	367
Aromatic hydrocarbons >EC ₁₂ -EC ₁₆	5.8	100	300	600
Aromatic hydrocarbons >EC ₁₆ -EC ₂₁	-	200	500	800
Aromatic hydrocarbons >EC ₂₁ -EC ₃₅	-	900	1,100	1,200
Aromatic hydrocarbons >EC ₃₅ -EC ₄₄	-	900	1,100	1,200
Minerals				
Asbestos	-	No asbestos detected with ID or <0.001% dry weight ¹		

Notes:

¹ Generic assessment criteria not calculated owing to low volatility of substance and therefore no pathway, or an absence of toxicological data.

NR - SAC for 1,3,5-trimethylbenzene is not recorded owing to the lack of toxicological data, SAC for 1,2,4-trimethylbenzene may be used

EC - equivalent carbon, GrAC - groundwater assessment criteria, SAC - soil assessment criteria.

¹ LOD for weight of asbestos per unit weight of soil calculated on a dry weight basis using PLM, handpicking and gravimetry.

The SAC for organic compounds are dependent on Soil Organic Matter (SOM) (%) content. To obtain SOM from total organic carbon (TOC) (%) divide by 0.58.

1% SOM is 0.58% TOC. DL Rowell Soil Science: Methods and Applications, Longmans, 1994.

SAC for TPH fractions, polycyclic aromatic hydrocarbons, MTBE, BTEX and trimethylbenzene compounds were produced using an attenuation factor for the indoor air inhalation pathway of 10 to reduce conservatism associated with the vapour inhalation pathway, section 10.1.1, SR3.

(VALUE IN BRACKETS) The SAC has been set as the model calculated SAC with the saturation limit shown in brackets.

RSK has adopted an approach for petroleum hydrocarbons in accordance with LQM/CIEH whereby the concentration modelled for each petroleum hydrocarbon fraction has been tabulated as the SAC with the corresponding solubility or vapour saturation limits given in brackets.

(VALUE IN BRACKETS) For consistency where the GrAC exceeds the solubility limit, GrAC has been set at the solubility limit. The GrAC is conservative since concentrations of the chemical are very unlikely to be at sufficient concentration to result in an exceedance of the health criteria value at the point of exposure (i.e. indoor air) provided free-phase product is absent.

APPENDIX E

TRIAL PIT LOGS AND PHOTOGRAPHIC LOG

(NW BUND)



Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TP101A
Contract Ref: 27621	Start: 28.2.17 End: 28.2.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

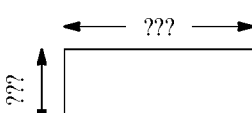
[illegible]

Plan (Not to Scale) 		General Remarks 1. No geomembrane encountered during works. 2. Trial pit backfilled with arisings upon completion.	
		All dimensions in metres	Scale: 1:25
Method Used: Hand dug Open WA/155/21/DOC	Plant Used: Hand tools	Logged By: CLewis	Checked By: AGS



Contract: Land at West End Nursery, Angmering			Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TP102A
Contract Ref: 27621	Start: 28.2.17 End: 28.2.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50	1	ES	T,J+V			Firm orangey brown slightly sandy gravelly CLAY. Gravels are fine to coarse and angular to subrounded of flint and rare limestone. (REWORKED RIVER TERRACE DEPOSITS)	(0.65)	
							0.65	

Plan (Not to Scale) 		General Remarks		
		1. No geomembrane encountered during works. 2. Trial pit backfilled with arisings upon completion.		
		All dimensions in metres		Scale: 1:25
Method Used: Hand dug	Plant Used: Hand tools	Logged By: CLewis	Checked By:	



Contract: Land at West End Nursery, Angmering			Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TP103A
Contract Ref: 27621		Start: 28.2.17 End: 28.2.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

[illegible]

Plan (Not to Scale) 		General Remarks 1. No geomembrane encountered during works. 2. Trial pit backfilled with arisings upon completion.	
		All dimensions in metres	Scale: 1:25
Method Used: Hand dug	Plant Used: Hand tools	Logged By: CLewis	Checked By: AGS

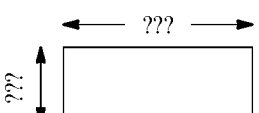
[illegible]

ARUN DISTRICT COUNCIL A/155/21/DOC



Contract: Land at West End Nursery, Angmering			Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TP105A
Contract Ref: 27621	Start: 28.2.17 End: 28.2.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1	

[illegible]

Plan (Not to Scale) 		General Remarks		
		1. No geomembrane encountered during works. 2. Trial pit backfilled with arisings upon completion.		
		All dimensions in metres	Scale: 1:25	
Method Used: Hand dug	Plant Used: Hand tools	Logged By: CLewis	Checked By:	AGS

APPENDIX F

LABORATORY CERTIFICATES

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 16/02575
Issue Number: 1

Date: 12 May, 2016

Client: RSK Environment Ltd Hemel
18 Frogmore Road
Hemel Hempstead
Hertfordshire
UK
HP3 9RT

Project Manager: Andrew James/Edward Hughes/Nigel Austin
Project Name: Land at West End Nursery, Angmering
Project Ref: 27621
Order No: N/A
Date Samples Received: 03/05/16
Date Instructions Received: 03/05/16
Date Analysis Completed: 12/05/16

Prepared by:

Approved by:



Kate Ellison
Administrative Assistant

Gill Walker
Laboratory Manager

Envirolab Job Number: 16/02575

Client Project Name: Land at West End Nursery, Angmering

Client Project Ref: 27621

Lab Sample ID	16/02575/1	16/02575/2	16/02575/3	16/02575/4	16/02575/5	16/02575/6	16/02575/7	16/02575/8	Units	Method ref
Client Sample No	2	2	1	2	1	1	1	1		
Client Sample ID	TPPoS1	TPPoS2	TPPoS3	TPPoS4	TPPoS5	SV5	SV6	SV7		
Depth to Top	1.50	2.00	1.80	2.00	1.00	0.20	0.15	0.20		
Depth To Bottom	1.80	3.00	2.20	2.50	1.50		0.20	0.30		
Date Sampled	27-Apr-16	27-Apr-16	27-Apr-16	27-Apr-16	27-Apr-16	27-Apr-16	27-Apr-16	27-Apr-16		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - D	Soil - D	Soil - D		
Sample Matrix Code	5	3A	5	3A	3A	1A	1A	1		
% Stones >10mm _A [#]	<0.1	53.9	<0.1	45.0	<0.1	-	-	-	% w/w	A-T-044
pH _D ^{M#}	7.59	6.97	7.03	7.48	7.13	-	-	-	pH	A-T-031s
Sulphate (water sol 2:1) _D ^{M#}	0.05	0.05	0.05	0.01	0.09	-	-	-	g/l	A-T-026s
Sulphate (acid soluble) _D ^{M#}	240	<200	<200	<200	370	-	-	-	mg/kg	A-T-028s
Arsenic _D ^{M#}	5	3	5	3	5	-	-	-	mg/kg	A-T-024s
Cadmium _D ^{M#}	0.6	0.6	0.6	<0.5	0.6	-	-	-	mg/kg	A-T-024s
Copper _D ^{M#}	10	8	5	13	10	-	-	-	mg/kg	A-T-024s
Chromium _D ^{M#}	24	10	23	13	28	-	-	-	mg/kg	A-T-024s
Lead _D ^{M#}	11	4	10	6	12	-	-	-	mg/kg	A-T-024s
Mercury _D	<0.17	<0.17	<0.17	<0.17	<0.17	-	-	-	mg/kg	A-T-024s
Nickel _D ^{M#}	20	10	16	11	20	-	-	-	mg/kg	A-T-024s
Selenium _D	<1	<1	<1	<1	<1	-	-	-	mg/kg	A-T-024s
Zinc _D ^{M#}	40	18	39	18	40	-	-	-	mg/kg	A-T-024s

Envirolab Job Number: 16/02575

Client Project Name: Land at West End Nursery, Angmering

Client Project Ref: 27621

Lab Sample ID	16/02575/1	16/02575/2	16/02575/3	16/02575/4	16/02575/5	16/02575/6	16/02575/7	16/02575/8	Units	Method ref
Client Sample No	2	2	1	2	1	1	1	1		
Client Sample ID	TPPoS1	TPPoS2	TPPoS3	TPPoS4	TPPoS5	SV5	SV6	SV7		
Depth to Top	1.50	2.00	1.80	2.00	1.00	0.20	0.15	0.20		
Depth To Bottom	1.80	3.00	2.20	2.50	1.50		0.20	0.30		
Date Sampled	27-Apr-16	27-Apr-16	27-Apr-16	27-Apr-16	27-Apr-16	27-Apr-16	27-Apr-16	27-Apr-16		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - D	Soil - D	Soil - D		
Sample Matrix Code	5	3A	5	3A	3A	1A	1A	1		
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD		A-T-045
Asbestos ACM - Suitable for Water Absorption Test? _D	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		Gravimetry

Envirolab Job Number: 16/02575

Client Project Name: Land at West End Nursery, Angmering

Client Project Ref: 27621

Lab Sample ID	16/02575/1	16/02575/2	16/02575/3	16/02575/4	16/02575/5	16/02575/6	16/02575/7	16/02575/8	Units	Method ref
Client Sample No	2	2	1	2	1	1	1	1		
Client Sample ID	TPPoS1	TPPoS2	TPPoS3	TPPoS4	TPPoS5	SV5	SV6	SV7		
Depth to Top	1.50	2.00	1.80	2.00	1.00	0.20	0.15	0.20		
Depth To Bottom	1.80	3.00	2.20	2.50	1.50		0.20	0.30		
Date Sampled	27-Apr-16	27-Apr-16	27-Apr-16	27-Apr-16	27-Apr-16	27-Apr-16	27-Apr-16	27-Apr-16		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - D	Soil - D	Soil - D		
Sample Matrix Code	5	3A	5	3A	3A	1A	1A	1		
PAH 16										
Acenaphthene _A ^{M#}	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	mg/kg	A-T-019s
Anthracene _A ^{M#}	<0.02	<0.02	<0.02	<0.02	<0.02	-	-	-	mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	<0.04	<0.04	<0.04	<0.04	<0.04	-	-	-	mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	<0.04	<0.04	<0.04	<0.04	<0.04	-	-	-	mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	-	mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	-	mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	<0.07	<0.07	<0.07	<0.07	<0.07	-	-	-	mg/kg	A-T-019s
Chrysene _A ^{M#}	<0.06	<0.06	<0.06	<0.06	<0.06	-	-	-	mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	<0.04	<0.04	<0.04	<0.04	<0.04	-	-	-	mg/kg	A-T-019s
Fluoranthene _A ^{M#}	<0.08	<0.08	<0.08	<0.08	<0.08	-	-	-	mg/kg	A-T-019s
Fluorene _A ^{M#}	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	<0.03	<0.03	<0.03	<0.03	<0.03	-	-	-	mg/kg	A-T-019s
Naphthalene _A ^{M#}	<0.03	<0.03	<0.03	<0.03	<0.03	-	-	-	mg/kg	A-T-019s
Phenanthrene _A ^{M#}	<0.03	<0.03	<0.03	<0.03	<0.03	-	-	-	mg/kg	A-T-019s
Pyrene _A ^{M#}	<0.07	<0.07	<0.07	<0.07	<0.07	-	-	-	mg/kg	A-T-019s
PAH (total 16) _A ^{M#}	<0.08	<0.08	<0.08	<0.08	<0.08	-	-	-	mg/kg	A-T-019s

Envirolab Job Number: 16/02575

Client Project Name: Land at West End Nursery, Angmering

Client Project Ref: 27621

Lab Sample ID	16/02575/1	16/02575/2	16/02575/3	16/02575/4	16/02575/5	16/02575/6	16/02575/7	16/02575/8	Units	Method ref
Client Sample No	2	2	1	2	1	1	1	1		
Client Sample ID	TPPoS1	TPPoS2	TPPoS3	TPPoS4	TPPoS5	SV5	SV6	SV7		
Depth to Top	1.50	2.00	1.80	2.00	1.00	0.20	0.15	0.20		
Depth To Bottom	1.80	3.00	2.20	2.50	1.50		0.20	0.30		
Date Sampled	27-Apr-16	27-Apr-16	27-Apr-16	27-Apr-16	27-Apr-16	27-Apr-16	27-Apr-16	27-Apr-16		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - D	Soil - D	Soil - D		
Sample Matrix Code	5	3A	5	3A	3A	1A	1A	1		
TPH CWG										
Ali >C5-C6 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	mg/kg	A-T-022s
Ali >C6-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	mg/kg	A-T-022s
Ali >C8-C10 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	mg/kg	A-T-022s
Ali >C10-C12 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	mg/kg	A-T-023s
Ali >C12-C16 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	mg/kg	A-T-023s
Ali >C16-C21 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	mg/kg	A-T-023s
Ali >C21-C35 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	mg/kg	A-T-023s
Total Aliphatics _A	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	mg/kg	A-T-022+23s
Aro >C5-C7 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	mg/kg	A-T-022s
Aro >C7-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	mg/kg	A-T-022s
Aro >C8-C9 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	mg/kg	A-T-022s
Aro >C9-C10 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	mg/kg	A-T-022s
Aro >C10-C12 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	mg/kg	A-T-023s
Aro >C12-C16 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	mg/kg	A-T-023s
Aro >C16-C21 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	mg/kg	A-T-023s
Aro >C21-C35 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	mg/kg	A-T-023s
Total Aromatics _A	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	mg/kg	A-T-022+23s
TPH (Ali & Aro) _A	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	mg/kg	A-T-022+23s
BTEX - Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	mg/kg	A-T-022s
BTEX - Toluene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	mg/kg	A-T-022s
BTEX - o Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	mg/kg	A-T-022s
MTBE _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	mg/kg	A-T-022s

Envirolab Job Number: 16/02575

Client Project Name: Land at West End Nursery, Angmering

Client Project Ref: 27621

Lab Sample ID	16/02575/9	16/02575/10	16/02575/11	16/02575/12	16/02575/13	16/02575/14	16/02575/15	16/02575/16	Units	Method ref
Client Sample No	1	1	1	1	1	1	1	1		
Client Sample ID	SV8	HA5V1	HA5V2	HA5V3	HA5V4	SWV1	SWV2	SWV9		
Depth to Top	0.20	0.50	0.50	0.50	0.50	0.10	0.15	0.10		
Depth To Bottom	0.25	0.60	0.60	0.70	0.60	0.20	0.25	0.30		
Date Sampled	27-Apr-16	28-Apr-16	28-Apr-16	28-Apr-16	28-Apr-16	28-Apr-16	28-Apr-16	28-Apr-16		
Sample Type	Soil - D	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - D	Soil - D	Soil - D		
Sample Matrix Code	4A	4A	1A	4A	4	6AE	4A	4A		
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD		A-T-045
Asbestos ACM - Suitable for Water Absorption Test? _D	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		Gravimetry

Envirolab Job Number: 16/02575

Client Project Name: Land at West End Nursery, Angmering

Client Project Ref: 27621

Lab Sample ID	16/02575/9	16/02575/10	16/02575/11	16/02575/12	16/02575/13	16/02575/14	16/02575/15	16/02575/16	Units	Method ref
Client Sample No	1	1	1	1	1	1	1	1		
Client Sample ID	SV8	HA5V1	HA5V2	HA5V3	HA5V4	SWV1	SWV2	SWV9		
Depth to Top	0.20	0.50	0.50	0.50	0.50	0.10	0.15	0.10		
Depth To Bottom	0.25	0.60	0.60	0.70	0.60	0.20	0.25	0.30		
Date Sampled	27-Apr-16	28-Apr-16	28-Apr-16	28-Apr-16	28-Apr-16	28-Apr-16	28-Apr-16	28-Apr-16		
Sample Type	Soil - D	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - D	Soil - D	Soil - D		
Sample Matrix Code	4A	4A	1A	4A	4	6AE	4A	4A		
Pest-c										
Mevinphos _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
Dichlorvos _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
alpha-Hexachlorocyclohexane (HCH) _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
Diazinon _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
gamma-Hexachlorocyclohexane (HCH / Lindane) _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
Heptachlor _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
Aldrin _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
beta-Hexachlorocyclohexane (HCH) _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
Methyl Parathion _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
Malathion _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
Fenitrothion _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
Heptachlor Epoxide _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
Parathion (Ethyl Parathion) _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
p,p-DDE _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
p,p-DDT _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
p,p-Methoxychlor _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
p,p-TDE (DDD) _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
o,p-DDE _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
o,p-DDT _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
o,p-Methoxychlor _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
o,p-TDE (DDD) _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
Endosulphan I _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
Endosulphan II _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
Endosulphan Sulphate _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
Endrin _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
Ethion _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
Dieldrin _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
Azinphos-methyl _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon

Envirolab Job Number: 16/02575

Client Project Name: Land at West End Nursery, Angmering

Client Project Ref: 27621

Lab Sample ID	16/02575/9	16/02575/10	16/02575/11	16/02575/12	16/02575/13	16/02575/14	16/02575/15	16/02575/16	Units	Method ref
Client Sample No	1	1	1	1	1	1	1	1		
Client Sample ID	SV8	HA5V1	HA5V2	HA5V3	HA5V4	SWV1	SWV2	SWV9		
Depth to Top	0.20	0.50	0.50	0.50	0.50	0.10	0.15	0.10		
Depth To Bottom	0.25	0.60	0.60	0.70	0.60	0.20	0.25	0.30		
Date Sampled	27-Apr-16	28-Apr-16	28-Apr-16	28-Apr-16	28-Apr-16	28-Apr-16	28-Apr-16	28-Apr-16		
Sample Type	Soil - D	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - D	Soil - D	Soil - D		
Sample Matrix Code	4A	4A	1A	4A	4	6AE	4A	4A		
Triazine Herbicides (Nitrogen Pesticides)										
Ametryn _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
Atraton _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
Atrazine _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
Prometon _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
Prometryn _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
Propazine _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
Simazine _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
Simetryn _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
Terbuthylazine _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon
Terbutryn _A	-	<50	<50	<50	<50	-	-	-	µg/kg	Subcon

Envirolab Job Number: 16/02575

Client Project Name: Land at West End Nursery, Angmering

Client Project Ref: 27621

Lab Sample ID	16/02575/17	16/02575/18	16/02575/19						Units	Method ref
Client Sample No	1	1	1							
Client Sample ID	SWV10	SWV11	SWV12							
Depth to Top	0.20	0.20	0.25							
Depth To Bottom		0.40								
Date Sampled	28-Apr-16	28-Apr-16	28-Apr-16							
Sample Type	Soil - ES	Soil - D	Soil - D							
Sample Matrix Code	6E	4A	5A							
Asbestos in Soil (inc. matrix)										
Asbestos in soil _A [#]	NAD	NAD	Crocidolite & Chrysotile							A-T-045
Asbestos Matrix (microscope) _A	-	-	Loose Fibres							A-T-045
Asbestos ACM - Suitable for Water Absorption Test? _D	N/A	N/A	N/A							Gravimetry
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing) _D	-	-	<0.001						% w/w	A-T-054

REPORT NOTES

Notes - Soil chemical analysis

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones and brick and concrete fragments >10mm are removed or excluded from the sample prior to analysis and reported results corrected to a whole sample basis. For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis.

Notes - General

This report shall not be reproduced, except in full, without written approval from Envirolab.

Subscript "A" indicates analysis performed on the sample as received. "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve, unless asbestos is found to be present in which case all analysis is performed on the sample as received.

All analysis is performed on the dried and crushed sample for samples with Matrix Code 7 and this supersedes any "A" subscripts.

All analysis is performed on the sample as received for soil samples which are positive for asbestos and/or if they are from outside the European Union and this supersedes any "D" subscripts.

Superscript "M" indicates method accredited to MCERTS.

If results are in italic font they are associated with an AQC failure. These are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

TPH analysis of water by method A-T-007

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Asbestos in soil

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if present as discrete fibres/fragments. Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample. Samples with Matrix Code 7 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Analytical results reflect the quality of the sample at the time of analysis only. Opinions and interpretations expressed are outside the scope of our accreditation.

Please contact us if you need any further information.

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 16/00471
Issue Number: 1

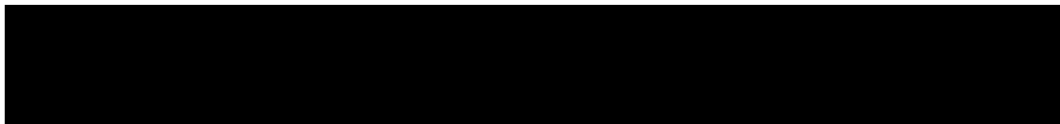
Date: 09 February, 2016

Client: RSK Environment Ltd Hemel
18 Frogmore Road
Hemel Hempstead
Hertfordshire
UK
HP3 9RT

Project Manager: Andrew James/Nigel Austin
Project Name: Angmering
Project Ref: 27621
Order No: N/A
Date Samples Received: 27/01/16
Date Instructions Received: 27/01/16
Date Analysis Completed: 09/02/16

Prepared by:

Approved by:



Danielle Brierley
Administrative Assistant

Gill Scott
Laboratory Manager

Envirolab Job Number: 16/00471

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/00471/1	16/00471/2	16/00471/3	16/00471/4					Units	Method ref
Client Sample No										
Client Sample ID	V1	V2	V3	V4						
Depth to Top	0.80	0.30	0.30	0.40						
Depth To Bottom	1.00		0.40	0.50						
Date Sampled	25-Jan-16	25-Jan-16	25-Jan-16	25-Jan-16						
Sample Type	Soil	Solid	Soil	Soil						
Sample Matrix Code	6A	7	6A	4A						
% Stones >10mm _A [#]	11.6	<0.1	7.3	31.0					% w/w	A-T-044
pH _D ^{M#}	7.91	-	-	-					pH	A-T-031 s
Nitrate (water sol 2:1) _D	<1	-	-	-					mg/kg	A-T-026 s

Envirolab Job Number: 16/00471

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/00471/1	16/00471/2	16/00471/3	16/00471/4					Units	Method ref
Client Sample No										
Client Sample ID	V1	V2	V3	V4						
Depth to Top	0.80	0.30	0.30	0.40						
Depth To Bottom	1.00		0.40	0.50						
Date Sampled	25-Jan-16	25-Jan-16	25-Jan-16	25-Jan-16						
Sample Type	Soil	Solid	Soil	Soil						
Sample Matrix Code	6A	7	6A	4A						
TPH CWG										
Ali >C5-C6 _A [#]	<0.01	<0.01	<0.01	<0.01					mg/kg	A-T-022s
Ali >C6-C8 _A [#]	<0.01	0.27	0.01	<0.01					mg/kg	A-T-022s
Ali >C8-C10 _A [#]	<0.01	3.23	0.01	<0.01					mg/kg	A-T-022s
Ali >C10-C12 _A [#]	<0.1	63.8	<0.1	<0.1					mg/kg	A-T-023s
Ali >C12-C16 _A [#]	<0.1	373	<0.1	<0.1					mg/kg	A-T-023s
Ali >C16-C21 _A [#]	<0.1	487	<0.1	<0.1					mg/kg	A-T-023s
Ali >C21-C35 _A [#]	<0.1	119	<0.1	<0.1					mg/kg	A-T-023s
Total Aliphatics _A	<0.1	1050	<0.1	<0.1					mg/kg	A-T-022+23s
Aro >C5-C7 _A [#]	<0.01	<0.01	<0.01	<0.01					mg/kg	A-T-022s
Aro >C7-C8 _A [#]	<0.01	<0.01	<0.01	<0.01					mg/kg	A-T-022s
Aro >C8-C9 _A [#]	<0.01	0.13	0.02	0.02					mg/kg	A-T-022s
Aro >C9-C10 _A [#]	<0.01	3.95	0.08	0.10					mg/kg	A-T-022s
Aro >C10-C12 _A [#]	<0.1	16.9	<0.1	<0.1					mg/kg	A-T-023s
Aro >C12-C16 _A [#]	<0.1	134	1.8	<0.1					mg/kg	A-T-023s
Aro >C16-C21 _A [#]	<0.1	169	3.6	3.4					mg/kg	A-T-023s
Aro >C21-C35 _A [#]	<0.1	49.4	0.7	2.4					mg/kg	A-T-023s
Total Aromatics _A	<0.1	374	6.1	5.9					mg/kg	A-T-022+23s
TPH (Ali & Aro) _A	<0.1	1420	6.1	5.9					mg/kg	A-T-022+23s
BTEX - Benzene _A [#]	<0.01	<0.01	<0.01	<0.01					mg/kg	A-T-022s
BTEX - Toluene _A [#]	<0.01	<0.01	<0.01	<0.01					mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	0.02	<0.01	<0.01					mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	0.07	<0.01	<0.01					mg/kg	A-T-022s
BTEX - o Xylene _A [#]	<0.01	0.06	<0.01	<0.01					mg/kg	A-T-022s
MTBE _A [#]	<0.01	<0.01	<0.01	<0.01					mg/kg	A-T-022s

REPORT NOTES

Notes - Soil chemical analysis

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones and brick and concrete fragments >10mm are removed or excluded from the sample prior to analysis and reported results corrected to a whole sample basis. For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis.

Notes - General

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Subscript "A" indicates analysis performed on the sample as received. "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve, unless asbestos is found to be present in which case all analysis is performed on the sample as received.

All analysis is performed on the dried and crushed sample for samples with Matrix Code 7 and this supersedes any "A" subscripts.

All analysis is performed on the sample as received for soil samples which are positive for asbestos and/or if they are from outside the European Union and this supersedes any "D" subscripts.

Superscript "M" indicates method accredited to MCERTS.

If results are in italic font they are associated with an AQC failure. These are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

TPH analysis of water by method A-T-007

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Asbestos in soil

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if present as discrete fibres/fragments. Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample. Samples with Matrix Code 7 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

IS indicates Insufficient sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Analytical results reflect the quality of the sample at the time of analysis only. Opinions and interpretations expressed are outside the scope of our accreditation.

Please contact us if you need any further information.

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 16/01449
Issue Number: 1

Date: 24 March, 2016

Client: RSK Environment Ltd Hemel
18 Frogmore Road
Hemel Hempstead
Hertfordshire
UK
HP3 9RT

Project Manager: Andrew James/Nigel Austin/Russell Speight
Project Name: Angmering
Project Ref: 27621
Order No: N/A
Date Samples Received: 11/03/16
Date Instructions Received: 11/03/16
Date Analysis Completed: 24/03/16

Prepared by:

Approved by:

Melanie Marshall
Laboratory Coordinator

Gill Scott
Laboratory Manager

Envirolab Job Number: 16/01449

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/01449/1	16/01449/2	16/01449/3	16/01449/4	16/01449/5	16/01449/6			Units	Method ref
Client Sample No										
Client Sample ID	V5	V6	V7	V8	V8	V10				
Depth to Top	0.30	0.20	0.30	0.30	1.00	0.50				
Depth To Bottom	0.50	0.40	0.50	0.50						
Date Sampled	08-Mar-16	08-Mar-16	08-Mar-16	08-Mar-16	08-Mar-16	08-Mar-16				
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil				
Sample Matrix Code	4A	4A	4A	4A	4A	4A				
% Stones >10mm _A [#]	10.7	7.0	6.1	9.1	<0.1	12.5			% w/w	A-T-044
pH _D ^{M#}	-	-	-	-	-	9.34			pH	A-T-031s
Nitrate (water sol 2:1) _D	-	-	-	-	-	<1			mg/kg	A-T-026s

Envirolab Job Number: 16/01449

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/01449/1	16/01449/2	16/01449/3	16/01449/4	16/01449/5	16/01449/6			Units	Method ref
Client Sample No										
Client Sample ID	V5	V6	V7	V8	V8	V10				
Depth to Top	0.30	0.20	0.30	0.30	1.00	0.50				
Depth To Bottom	0.50	0.40	0.50	0.50						
Date Sampled	08-Mar-16	08-Mar-16	08-Mar-16	08-Mar-16	08-Mar-16	08-Mar-16				
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil				
Sample Matrix Code	4A	4A	4A	4A	4A	4A				
TPH CWG										
Ali >C5-C6 _A [#]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04			mg/kg	A-T-022s
Ali >C6-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
Ali >C8-C10 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
Ali >C10-C12 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			mg/kg	A-T-023s
Ali >C12-C16 _A [#]	<0.1	<0.1	<0.1	15.6	<0.1	<0.1			mg/kg	A-T-023s
Ali >C16-C21 _A [#]	<0.1	<0.1	<0.1	46.0	<0.1	<0.1			mg/kg	A-T-023s
Ali >C21-C35 _A [#]	<0.1	<0.1	<0.1	1.0	<0.1	<0.1			mg/kg	A-T-023s
Total Aliphatics _A	<0.1	<0.1	<0.1	62.5	<0.1	<0.1			mg/kg	A-T-022+23s
Aro >C5-C7 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
Aro >C7-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
Aro >C8-C9 _A [#]	<0.01	<0.01	0.04	<0.01	<0.01	0.01			mg/kg	A-T-022s
Aro >C9-C10 _A [#]	<0.01	<0.01	0.04	<0.01	<0.01	0.04			mg/kg	A-T-022s
Aro >C10-C12 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			mg/kg	A-T-023s
Aro >C12-C16 _A [#]	<0.1	<0.1	<0.1	4.6	<0.1	1.5			mg/kg	A-T-023s
Aro >C16-C21 _A [#]	1.2	4.5	2.5	21.7	<0.1	14.8			mg/kg	A-T-023s
Aro >C21-C35 _A [#]	0.7	5.5	2.8	0.7	<0.1	25.2			mg/kg	A-T-023s
Total Aromatics _A	2.0	10.1	5.4	27.2	<0.1	41.5			mg/kg	A-T-022+23s
TPH (Ali & Aro) _A	2.0	10.1	5.4	89.7	<0.1	41.5			mg/kg	A-T-022+23s
BTEX - Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
BTEX - Toluene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	<0.01	0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	<0.01	0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
BTEX - o Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
MTBE _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s

REPORT NOTES

Notes - Soil chemical analysis

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones and brick and concrete fragments >10mm are removed or excluded from the sample prior to analysis and reported results corrected to a whole sample basis. For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis.

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All analysis is performed on the sample as received for soil samples which are positive for asbestos and/or if they are from outside the European Union and this supersedes any "D" subscripts.

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TPH analysis of water by method A-T-007

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Asbestos in soil

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if present as discrete fibres/fragments. Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

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A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

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Please contact us if you need any further information.

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 16/03628
Issue Number: 1

Date: 04 July, 2016

Client: RSK Environment Ltd Tonbridge
Anerley Court, Half Moon Lane, Hildenborough
Tonbridge
Kent
TN11 9HU

Project Manager: Andrew James/Nigel Austin
Project Name: Angmering
Project Ref: 27621
Order No: N/A
Date Samples Received: 14/06/16
Date Instructions Received: 15/06/16
Date Analysis Completed: 04/07/16

Prepared by:

Approved by:

Kate Elson
Administrative Assistant

Jim Walker
Laboratory Manager

Envirolab Job Number: 16/03628

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/03628/1	16/03628/2	16/03628/3	16/03628/4	16/03628/5	16/03628/6	16/03628/7	16/03628/8	Units	Method ref
Client Sample No										
Client Sample ID	NWB B1	NWB V1	NWB V2	NWB V3	NWB V4	NWB V5	NWB V6	NWB V7		
Depth to Top		0.20	0.20	0.10	0.20	0.20	0.20	0.30		
Depth To Bottom		0.40	0.40	0.50	0.40	0.40	0.40	0.50		
Date Sampled	09-Jun-16	09-Jun-16	09-Jun-16	09-Jun-16	09-Jun-16	09-Jun-16	09-Jun-16	09-Jun-16		
Sample Type	Solid - Fragment / Tile	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	8	4A	1A	4A	1A	5A	5A	4A		
% Stones >10mm _A [#]	-	<0.1	-	<0.1	2.5	-	3.8	-	% w/w	A-T-044
pH _D ^{M#}	-	7.75	-	7.61	7.62	-	7.64	-	pH	A-T-031s
Sulphate (water sol 2:1) _D ^{M#}	-	0.10	-	0.10	0.07	-	0.06	-	g/l	A-T-026s
Sulphate (acid soluble) _D ^{M#}	-	450	-	440	300	-	240	-	mg/kg	A-T-028s
Arsenic _D ^{M#}	-	6	-	7	6	-	7	-	mg/kg	A-T-024s
Cadmium _D ^{M#}	-	1.2	-	1.2	1.3	-	1.3	-	mg/kg	A-T-024s
Copper _D ^{M#}	-	46	-	34	19	-	14	-	mg/kg	A-T-024s
Chromium _D ^{M#}	-	24	-	28	30	-	28	-	mg/kg	A-T-024s
Lead _D ^{M#}	-	49	-	71	49	-	34	-	mg/kg	A-T-024s
Mercury _D	-	<0.17	-	<0.17	<0.17	-	<0.17	-	mg/kg	A-T-024s
Nickel _D ^{M#}	-	17	-	18	22	-	22	-	mg/kg	A-T-024s
Selenium _D	-	1	-	<1	<1	-	<1	-	mg/kg	A-T-024s
Zinc _D ^{M#}	-	84	-	88	67	-	60	-	mg/kg	A-T-024s

Envirolab Job Number: 16/03628

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/03628/1	16/03628/2	16/03628/3	16/03628/4	16/03628/5	16/03628/6	16/03628/7	16/03628/8	Units	Method ref
Client Sample No										
Client Sample ID	NWB B1	NWB V1	NWB V2	NWB V3	NWB V4	NWB V5	NWB V6	NWB V7		
Depth to Top		0.20	0.20	0.10	0.20	0.20	0.20	0.30		
Depth To Bottom		0.40	0.40	0.50	0.40	0.40	0.40	0.50		
Date Sampled	09-Jun-16	09-Jun-16	09-Jun-16	09-Jun-16	09-Jun-16	09-Jun-16	09-Jun-16	09-Jun-16		
Sample Type	Solid - Fragment / Tile	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	8	4A	1A	4A	1A	5A	5A	4A		
Asbestos in Soil (inc. matrix)										
Asbestos in soil _A [#]	-	NAD	NAD	NAD	NAD	NAD	NAD	NAD		A-T-045
Asbestos ACM - Suitable for Water Absorption Test? _D	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A		Gravimetry
Bulk Fibre ID (inc. matrix)										
Bulk Fibre Identification _A [#]	Chrysotile	-	-	-	-	-	-	-		A-T-045
Bulk Fibre Identification Matrix (visual) _A	Cement	-	-	-	-	-	-	-		A-T-045
Bulk Fibre Identification - Suitable for Water Absorption Test? _D	Yes	-	-	-	-	-	-	-		Gravimetry

Envirolab Job Number: 16/03628

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/03628/1	16/03628/2	16/03628/3	16/03628/4	16/03628/5	16/03628/6	16/03628/7	16/03628/8	Units	Method ref
Client Sample No										
Client Sample ID	NWB B1	NWB V1	NWB V2	NWB V3	NWB V4	NWB V5	NWB V6	NWB V7		
Depth to Top		0.20	0.20	0.10	0.20	0.20	0.20	0.30		
Depth To Bottom		0.40	0.40	0.50	0.40	0.40	0.40	0.50		
Date Sampled	09-Jun-16	09-Jun-16	09-Jun-16	09-Jun-16	09-Jun-16	09-Jun-16	09-Jun-16	09-Jun-16		
Sample Type	Solid - Fragment / Tile	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	8	4A	1A	4A	1A	5A	5A	4A		
PAH 16										
Acenaphthene _A ^{M#}	-	<0.01	-	<0.01	<0.01	-	<0.01	-	mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	-	<0.01	-	<0.01	<0.01	-	<0.01	-	mg/kg	A-T-019s
Anthracene _A ^{M#}	-	<0.02	-	<0.02	<0.02	-	<0.02	-	mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	-	<0.04	-	<0.04	<0.04	-	<0.04	-	mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	-	<0.04	-	<0.04	<0.04	-	<0.04	-	mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	-	<0.05	-	0.07	<0.05	-	<0.05	-	mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	-	<0.05	-	<0.05	<0.05	-	<0.05	-	mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	-	<0.07	-	<0.07	<0.07	-	<0.07	-	mg/kg	A-T-019s
Chrysene _A ^{M#}	-	<0.06	-	<0.06	<0.06	-	<0.06	-	mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	-	<0.04	-	<0.04	<0.04	-	<0.04	-	mg/kg	A-T-019s
Fluoranthene _A ^{M#}	-	<0.08	-	<0.08	<0.08	-	<0.08	-	mg/kg	A-T-019s
Fluorene _A ^{M#}	-	<0.01	-	<0.01	<0.01	-	<0.01	-	mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	-	<0.03	-	0.05	<0.03	-	<0.03	-	mg/kg	A-T-019s
Naphthalene _A ^{M#}	-	<0.03	-	<0.03	<0.03	-	<0.03	-	mg/kg	A-T-019s
Phenanthrene _A ^{M#}	-	<0.03	-	<0.03	<0.03	-	<0.03	-	mg/kg	A-T-019s
Pyrene _A ^{M#}	-	<0.07	-	<0.07	<0.07	-	<0.07	-	mg/kg	A-T-019s
PAH (total 16) _A ^{M#}	-	<0.08	-	0.12	<0.08	-	<0.08	-	mg/kg	A-T-019s

Envirolab Job Number: 16/03628

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/03628/1	16/03628/2	16/03628/3	16/03628/4	16/03628/5	16/03628/6	16/03628/7	16/03628/8	Units	Method ref
Client Sample No										
Client Sample ID	NWB B1	NWB V1	NWB V2	NWB V3	NWB V4	NWB V5	NWB V6	NWB V7		
Depth to Top		0.20	0.20	0.10	0.20	0.20	0.20	0.30		
Depth To Bottom		0.40	0.40	0.50	0.40	0.40	0.40	0.50		
Date Sampled	09-Jun-16	09-Jun-16	09-Jun-16	09-Jun-16	09-Jun-16	09-Jun-16	09-Jun-16	09-Jun-16		
Sample Type	Solid - Fragment / Tile	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	8	4A	1A	4A	1A	5A	5A	4A		
TPH CWG										
Ali >C5-C6 _A [#]	-	<0.01	-	<0.01	<0.01	-	<0.01	-	mg/kg	A-T-022s
Ali >C6-C8 _A [#]	-	<0.01	-	<0.01	<0.01	-	<0.01	-	mg/kg	A-T-022s
Ali >C8-C10 _A [#]	-	<0.01	-	<0.01	<0.01	-	<0.01	-	mg/kg	A-T-022s
Ali >C10-C12 _A [#]	-	<0.1	-	<0.1	<0.1	-	<0.1	-	mg/kg	A-T-023s
Ali >C12-C16 _A [#]	-	<0.1	-	<0.1	<0.1	-	<0.1	-	mg/kg	A-T-023s
Ali >C16-C21 _A [#]	-	<0.1	-	<0.1	<0.1	-	<0.1	-	mg/kg	A-T-023s
Ali >C21-C35 _A [#]	-	<0.1	-	<0.1	<0.1	-	<0.1	-	mg/kg	A-T-023s
Total Aliphatics _A	-	<0.1	-	<0.1	<0.1	-	<0.1	-	mg/kg	A-T-022+23s
Aro >C5-C7 _A [#]	-	<0.01	-	<0.01	<0.01	-	<0.01	-	mg/kg	A-T-022s
Aro >C7-C8 _A [#]	-	<0.01	-	<0.01	<0.01	-	<0.01	-	mg/kg	A-T-022s
Aro >C8-C9 _A [#]	-	<0.01	-	<0.01	<0.01	-	<0.01	-	mg/kg	A-T-022s
Aro >C9-C10 _A [#]	-	<0.01	-	<0.01	<0.01	-	<0.01	-	mg/kg	A-T-022s
Aro >C10-C12 _A [#]	-	<0.1	-	<0.1	<0.1	-	<0.1	-	mg/kg	A-T-023s
Aro >C12-C16 _A [#]	-	<0.1	-	<0.1	<0.1	-	<0.1	-	mg/kg	A-T-023s
Aro >C16-C21 _A [#]	-	<0.1	-	<0.1	<0.1	-	<0.1	-	mg/kg	A-T-023s
Aro >C21-C35 _A [#]	-	<0.1	-	<0.1	<0.1	-	<0.1	-	mg/kg	A-T-023s
Total Aromatics _A	-	<0.1	-	<0.1	<0.1	-	<0.1	-	mg/kg	A-T-022+23s
TPH (Ali & Aro) _A	-	<0.1	-	<0.1	<0.1	-	<0.1	-	mg/kg	A-T-022+23s
BTEX - Benzene _A [#]	-	<0.01	-	<0.01	<0.01	-	<0.01	-	mg/kg	A-T-022s
BTEX - Toluene _A [#]	-	<0.01	-	<0.01	<0.01	-	<0.01	-	mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	-	<0.01	-	<0.01	<0.01	-	<0.01	-	mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	-	<0.01	-	<0.01	<0.01	-	<0.01	-	mg/kg	A-T-022s
BTEX - o Xylene _A [#]	-	<0.01	-	<0.01	<0.01	-	<0.01	-	mg/kg	A-T-022s
MTBE _A [#]	-	<0.01	-	<0.01	<0.01	-	<0.01	-	mg/kg	A-T-022s

Envirolab Job Number: 16/03628

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/03628/9								Units	Method ref
Client Sample No										
Client Sample ID	NWB V8									
Depth to Top	0.30									
Depth To Bottom										
Date Sampled	09-Jun-16									
Sample Type	Soil									
Sample Matrix Code	4A									
% Stones >10mm _A [#]	0.8								% w/w	A-T-044
pH _D ^{M#}	7.66								pH	A-T-031s
Sulphate (water sol 2:1) _D ^{M#}	0.07								g/l	A-T-026s
Sulphate (acid soluble) _D ^{M#}	370								mg/kg	A-T-028s
Arsenic _D ^{M#}	6								mg/kg	A-T-024s
Cadmium _D ^{M#}	1.2								mg/kg	A-T-024s
Copper _D ^{M#}	30								mg/kg	A-T-024s
Chromium _D ^{M#}	25								mg/kg	A-T-024s
Lead _D ^{M#}	42								mg/kg	A-T-024s
Mercury _D	<0.17								mg/kg	A-T-024s
Nickel _D ^{M#}	18								mg/kg	A-T-024s
Selenium _D	<1								mg/kg	A-T-024s
Zinc _D ^{M#}	70								mg/kg	A-T-024s

Envirolab Job Number: 16/03628

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/03628/9								Units	Method ref
Client Sample No										
Client Sample ID	NWB V8									
Depth to Top	0.30									
Depth To Bottom										
Date Sampled	09-Jun-16									
Sample Type	Soil									
Sample Matrix Code	4A									
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD									A-T-045
Asbestos ACM - Suitable for Water Absorption Test? _D	N/A									Gravimetry

Envirolab Job Number: 16/03628

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/03628/9								Units	Method ref
Client Sample No										
Client Sample ID	NWB V8									
Depth to Top	0.30									
Depth To Bottom										
Date Sampled	09-Jun-16									
Sample Type	Soil									
Sample Matrix Code	4A									
PAH 16										
Acenaphthene _A ^{M#}	<0.01								mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	<0.01								mg/kg	A-T-019s
Anthracene _A ^{M#}	<0.02								mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	<0.04								mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	<0.04								mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	<0.05								mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	<0.05								mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	<0.07								mg/kg	A-T-019s
Chrysene _A ^{M#}	<0.06								mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	<0.04								mg/kg	A-T-019s
Fluoranthene _A ^{M#}	<0.08								mg/kg	A-T-019s
Fluorene _A ^{M#}	<0.01								mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	<0.03								mg/kg	A-T-019s
Naphthalene _A ^{M#}	<0.03								mg/kg	A-T-019s
Phenanthrene _A ^{M#}	<0.03								mg/kg	A-T-019s
Pyrene _A ^{M#}	<0.07								mg/kg	A-T-019s
PAH (total 16) _A ^{M#}	<0.08								mg/kg	A-T-019s

Envirolab Job Number: 16/03628

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/03628/9								Units	Method ref
Client Sample No										
Client Sample ID	NWB V8									
Depth to Top	0.30									
Depth To Bottom										
Date Sampled	09-Jun-16									
Sample Type	Soil									
Sample Matrix Code	4A									
TPH CWG										
Ali >C5-C6 _A [#]	<0.01								mg/kg	A-T-022s
Ali >C6-C8 _A [#]	<0.01								mg/kg	A-T-022s
Ali >C8-C10 _A [#]	<0.01								mg/kg	A-T-022s
Ali >C10-C12 _A [#]	<0.1								mg/kg	A-T-023s
Ali >C12-C16 _A [#]	<0.1								mg/kg	A-T-023s
Ali >C16-C21 _A [#]	<0.1								mg/kg	A-T-023s
Ali >C21-C35 _A [#]	<0.1								mg/kg	A-T-023s
Total Aliphatics _A	<0.1								mg/kg	A-T-022+23s
Aro >C5-C7 _A [#]	<0.01								mg/kg	A-T-022s
Aro >C7-C8 _A [#]	<0.01								mg/kg	A-T-022s
Aro >C8-C9 _A [#]	<0.01								mg/kg	A-T-022s
Aro >C9-C10 _A [#]	<0.01								mg/kg	A-T-022s
Aro >C10-C12 _A [#]	<0.1								mg/kg	A-T-023s
Aro >C12-C16 _A [#]	<0.1								mg/kg	A-T-023s
Aro >C16-C21 _A [#]	<0.1								mg/kg	A-T-023s
Aro >C21-C35 _A [#]	<0.1								mg/kg	A-T-023s
Total Aromatics _A	<0.1								mg/kg	A-T-022+23s
TPH (Ali & Aro) _A	<0.1								mg/kg	A-T-022+23s
BTEX - Benzene _A [#]	<0.01								mg/kg	A-T-022s
BTEX - Toluene _A [#]	<0.01								mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01								mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01								mg/kg	A-T-022s
BTEX - o Xylene _A [#]	<0.01								mg/kg	A-T-022s
MTBE _A [#]	<0.01								mg/kg	A-T-022s

REPORT NOTES

Notes - Soil chemical analysis

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones and brick and concrete fragments >10mm are removed or excluded from the sample prior to analysis and reported results corrected to a whole sample basis. For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis.

Notes - General

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Subscript "A" indicates analysis performed on the sample as received. "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve, unless asbestos is found to be present in which case all analysis is performed on the sample as received.

All analysis is performed on the dried and crushed sample for samples with Matrix Code 7 and this supersedes any "A" subscripts.

All analysis is performed on the sample as received for soil samples which are positive for asbestos and/or if they are from outside the European Union and this supersedes any "D" subscripts.

Superscript "M" indicates method accredited to MCERTS.

If results are in italic font they are associated with an AQC failure. These are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

TPH analysis of water by method A-T-007

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Asbestos in soil

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if present as discrete fibres/fragments. Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample. Samples with Matrix Code 7 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Analytical results reflect the quality of the sample at the time of analysis only. Opinions and interpretations expressed are outside the scope of our accreditation.

Please contact us if you need any further information.

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 16/05298
Issue Number: 1

Date: 05 September, 2016

Client: RSK Environment Ltd Hemel
18 Frogmore Road
Hemel Hempstead
Hertfordshire
UK
HP3 9RT

Project Manager: Andrew James/Edward Hughes/Nigel Austin
Project Name: Angmering
Project Ref: 27621
Order No: N/A
Date Samples Received: 24/08/16
Date Instructions Received: 24/08/16
Date Analysis Completed: 04/09/16

Prepared by:

Approved by:

Danielle Brierley
Administrative Assistant

Iain Haslock
Analytical Consultant

Envirolab Job Number: 16/05298

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/05298/1	16/05298/2	16/05298/3	16/05298/4	16/05298/5	16/05298/6	16/05298/7	16/05298/8	Units	Method ref
Client Sample No										
Client Sample ID	POSV13	POSV14	POSV15	POSV16	POSV2A	POSV2B	POSV2C	POSV2D		
Depth to Top	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30		
Depth To Bottom	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
Date Sampled	22-Aug-16	22-Aug-16	22-Aug-16	22-Aug-16	22-Aug-16	22-Aug-16	22-Aug-16	22-Aug-16		
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	3A	3A	3	3A	3A	3A	3	3A		
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD		A-T-045
Asbestos ACM - Suitable for Water Absorption Test? _D	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		Gravimetry

Envirolab Job Number: 16/05298

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/05298/9	16/05298/10	16/05298/11	16/05298/12					Units	Method ref
Client Sample No										
Client Sample ID	POSV12A	POSV12B	POSV12C	POSV12D						
Depth to Top	0.30	0.30	0.30	0.30						
Depth To Bottom	0.40	0.40	0.40	0.40						
Date Sampled	22-Aug-16	22-Aug-16	22-Aug-16	22-Aug-16						
Sample Type	Soil	Soil	Soil	Soil						
Sample Matrix Code	3A	3A	3A	3A						
Asbestos in Soil (inc. matrix)										
Asbestos in soil _A [#]	NAD	NAD	NAD	NAD						A-T-045
Asbestos ACM - Suitable for Water Absorption Test? _D	N/A	N/A	N/A	N/A						Gravimetry

REPORT NOTES

Notes - Soil chemical analysis

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'. For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis.

Notes - General

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Subscript "A" indicates analysis performed on the sample as received. "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve, unless asbestos is found to be present in which case all analysis is performed on the sample as received.

All analysis is performed on the dried and crushed sample for samples with Matrix Code 7 and this supersedes any "A" subscripts.

All analysis is performed on the sample as received for soil samples which are positive for asbestos and/or if they are from outside the European Union and this supercedes any "D" subscripts.

Superscript "M" indicates method accredited to MCERTS.

If results are in italic font they are associated with an AQC failure. These are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

TPH analysis of water by method A-T-007

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Asbestos in soil

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if present as discrete fibres/fragments. Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Analytical results reflect the quality of the sample at the time of analysis only. Opinions and interpretations expressed are outside the scope of our accreditation.

Please contact us if you need any further information.

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 16/05665
Issue Number: 1

Date: 14 September, 2016

Client: RSK Environment Ltd Romsey
Unit 18 Basepoint Abbey Enterprise Centre
Premier Way
Romsey
Hampshire
SO51 9AQ

Project Manager: Ed Hughes
Project Name: Land at West End Nursery, Angmering
Project Ref: 27621
Order No: N/A
Date Samples Received: 09/09/16
Date Instructions Received: 09/09/16
Date Analysis Completed: 12/09/16

Prepared by:

Approved by:

Kate Elson
Administrative Assistant

John Gustarson
Director

Envirolab Job Number: 16/05665

Client Project Name: Land at West End Nursery, Angmering

Client Project Ref: 27621

Lab Sample ID	16/05665/1	16/05665/2	16/05665/3	16/05665/4	16/05665/5	16/05665/6	16/05665/7	16/05665/8	Units	Method ref
Client Sample No	1	2	1	2	1	2	1	2		
Client Sample ID	TPP12G	TPP12G	TPP13G	TPP13G	TPP13H	TPP13H	TPP14G	TPP14G		
Depth to Top	0.10	0.40	0.20	1.00	0.30	0.50	0.10	0.40		
Depth To Bottom	0.20	0.50	0.40	1.10	0.40	0.60	0.20	0.60		
Date Sampled	07-Sep-16	07-Sep-16	07-Sep-16	07-Sep-16	07-Sep-16	07-Sep-16	07-Sep-16	07-Sep-16		
Sample Type	Soil - D	Soil - D	Soil - D	Soil - D	Soil - D	Soil - D	Soil - D	Soil - D		
Sample Matrix Code	5	5	5A	5	5	5A	4A	5		
Asbestos in Soil (inc. matrix)										
Asbestos in soil _A [#]	Chrysotile	NAD	NAD	NAD	NAD	NAD	NAD	NAD		A-T-045
Asbestos Matrix (microscope) _A	Loose Fibres	-	-	-	-	-	-	-		A-T-045
Asbestos ACM - Suitable for Water Absorption Test? _D	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		Gravimetry

Envirolab Job Number: 16/05665

Client Project Name: Land at West End Nursery, Angmering

Client Project Ref: 27621

Lab Sample ID	16/05665/9	16/05665/10	16/05665/11	16/05665/12	16/05665/13	16/05665/14	16/05665/15	16/05665/16	Units	Method ref
Client Sample No	1	1	2	1	2	1	2	1		
Client Sample ID	TPP14H	TPP15G	TPP15G	TPP16G	TPP16G	TPP17G	TPP17G	TPP19G		
Depth to Top	0.30	0.10	0.45	0.00	0.40	0.20	0.40	0.20		
Depth To Bottom	0.40	0.30	0.55	0.10	0.50	0.30	0.50	0.30		
Date Sampled	07-Sep-16	07-Sep-16	07-Sep-16	07-Sep-16	07-Sep-16	07-Sep-16	07-Sep-16	07-Sep-16		
Sample Type	Soil - D	Soil - D	Soil - D	Soil - D	Soil - D	Soil - D	Soil - D	Soil - D		
Sample Matrix Code	5A	5A	5AB	5	4A	5	5A	5A		
Asbestos in Soil (inc. matrix)										
Asbestos in soil _A [#]	NAD	NAD	NAD	NAD	NAD	Chrysotile	Amosite	NAD		A-T-045
Asbestos Matrix (microscope) _A	-	-	-	-	-	Loose Fibres	Loose Fibres	-		A-T-045
Asbestos ACM - Suitable for Water Absorption Test? _D	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		Gravimetry

Envirolab Job Number: 16/05665

Client Project Name: Land at West End Nursery, Angmering

Client Project Ref: 27621

Lab Sample ID	16/05665/17								Units	Method ref
Client Sample No	2									
Client Sample ID	TPP19G									
Depth to Top	0.45									
Depth To Bottom	0.60									
Date Sampled	07-Sep-16									
Sample Type	Soil - D									
Sample Matrix Code	5A									
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD									A-T-045
Asbestos ACM - Suitable for Water Absorption Test? _D	N/A									Gravimetry

REPORT NOTES

General:

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A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 16/06871
Issue Number: 1

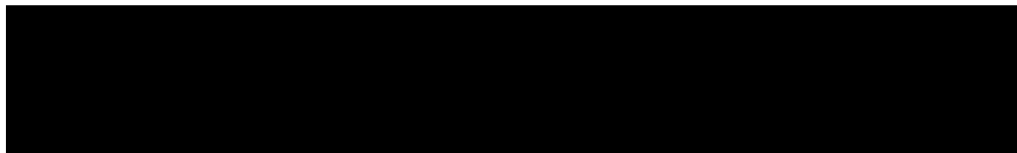
Date: 10 November, 2016

Client: RSK Environment Ltd Southampton
Unit 26
Basepoint Abbey Enterprise Centre
Premier Way
Romsey,
Hampshire
UK
SO51 9AQ

Project Manager: Andrew James/Catherine Latimer/Ed Hughes
Project Name: Angmering
Project Ref: 27621
Order No: N/A
Date Samples Received: 27/10/16
Date Instructions Received: 28/10/16
Date Analysis Completed: 10/11/16

Prepared by:

Approved by:



Danielle Blaney
Administrative Assistant

Gill Walker
Laboratory Manager

Envirolab Job Number: 16/06871

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/06871/1	16/06871/2	16/06871/3	16/06871/4	16/06871/5	16/06871/6	16/06871/7	16/06871/8	Units	Method ref
Client Sample No	1				1		1	1		
Client Sample ID	TPP18	TPP20	TPP21	TPP22	TPP23	TPP24	TPP25	TPP26		
Depth to Top	0.40	0.40	0.30	0.40	0.40	0.40	0.40	0.40		
Depth To Bottom		0.50	0.40	0.50	0.50	0.50	0.45	0.50		
Date Sampled	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16		
Sample Type	Soil - D	Soil	Soil	Soil	Soil - D	Soil	Soil - D	Soil - D		
Sample Matrix Code	3A	4A	5A	6A	6A	4A	4A	4A		
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD		A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

Envirolab Job Number: 16/06871

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/06871/9	16/06871/10	16/06871/11	16/06871/12	16/06871/13	16/06871/14	16/06871/15	16/06871/16	Units	Method ref
Client Sample No					1	1		1		
Client Sample ID	TPP27	TPP28	TPP29	TPP35	TPP36	TPP38	TPP39	TPP37		
Depth to Top	0.40	0.10	0.10	0.40	0.50	0.00	0.40	0.40		
Depth To Bottom	0.50		0.20	0.45			0.45	0.50		
Date Sampled	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16		
Sample Type	Soil	Soil	Soil	Soil	Soil - D	Soil - D	Soil	Soil - D		
Sample Matrix Code	4A	4A	6A	6A	6A	6A	4A	4A		
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD	NAD	NAD	Chrysotile	NAD	Chrysotile	NAD		A-T-045
Asbestos Matrix (microscope) _A	-	-	-	-	Loose Fibres	-	Loose Fibres	-		A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

Envirolab Job Number: 16/06871

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/06871/18	16/06871/19	16/06871/20	16/06871/21	16/06871/22	16/06871/23	16/06871/24	16/06871/25	Units	Method ref
Client Sample No		1								
Client Sample ID	TPP40	TPP41	TPP42	TPP43	TPP44	TPP45	TPP46	TPP47		
Depth to Top	0.55	0.40	0.50	0.40	0.40	0.50	0.40	0.40		
Depth To Bottom	0.60		0.60	0.50	0.50	0.60	0.50	0.50		
Date Sampled	25-Oct-16	25-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16		
Sample Type	Soil	Soil - D	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	4A	6A	6A	6A	6A	6A	6A	4A		
% Stones >10mm _A [#]	<0.1	-	-	-	-	-	-	-	% w/w	A-T-044
pH _D ^{M#}	6.22	-	-	-	-	-	-	-	pH	A-T-031s
Sulphate (water sol 2:1) _D ^{M#}	0.10	-	-	-	-	-	-	-	g/l	A-T-026s
Sulphate (acid soluble) _D ^{M#}	530	-	-	-	-	-	-	-	mg/kg	A-T-028s
Arsenic _D ^{M#}	19	-	-	-	-	-	-	-	mg/kg	A-T-024s
Cadmium _D ^{M#}	1.5	-	-	-	-	-	-	-	mg/kg	A-T-024s
Copper _D ^{M#}	64	-	-	-	-	-	-	-	mg/kg	A-T-024s
Chromium _D ^{M#}	9	-	-	-	-	-	-	-	mg/kg	A-T-024s
Lead _D ^{M#}	24	-	-	-	-	-	-	-	mg/kg	A-T-024s
Mercury _D	<0.17	-	-	-	-	-	-	-	mg/kg	A-T-024s
Nickel _D ^{M#}	39	-	-	-	-	-	-	-	mg/kg	A-T-024s
Selenium _D	2	-	-	-	-	-	-	-	mg/kg	A-T-024s
Zinc _D ^{M#}	130	-	-	-	-	-	-	-	mg/kg	A-T-024s

Envirolab Job Number: 16/06871

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/06871/18	16/06871/19	16/06871/20	16/06871/21	16/06871/22	16/06871/23	16/06871/24	16/06871/25	Units	Method ref
Client Sample No		1								
Client Sample ID	TPP40	TPP41	TPP42	TPP43	TPP44	TPP45	TPP46	TPP47		
Depth to Top	0.55	0.40	0.50	0.40	0.40	0.50	0.40	0.40		
Depth To Bottom	0.60		0.60	0.50	0.50	0.60	0.50	0.50		
Date Sampled	25-Oct-16	25-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16		
Sample Type	Soil	Soil - D	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	4A	6A	6A	6A	6A	6A	6A	4A		
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD	NAD	NAD	NAD	NAD	NAD	Amosite		A-T-045
Asbestos Matrix (microscope) _A	-	-	-	-	-	-	-	Loose Insulation		A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing) ₀	-	-	-	-	-	-	-	<0.001	% w/w	A-T-054

Envirolab Job Number: 16/06871

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/06871/18	16/06871/19	16/06871/20	16/06871/21	16/06871/22	16/06871/23	16/06871/24	16/06871/25	Units	Method ref
Client Sample No		1								
Client Sample ID	TPP40	TPP41	TPP42	TPP43	TPP44	TPP45	TPP46	TPP47		
Depth to Top	0.55	0.40	0.50	0.40	0.40	0.50	0.40	0.40		
Depth To Bottom	0.60		0.60	0.50	0.50	0.60	0.50	0.50		
Date Sampled	25-Oct-16	25-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16		
Sample Type	Soil	Soil - D	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	4A	6A	6A	6A	6A	6A	6A	4A		
PAH 16										
Acenaphthene _A ^{M#}	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-019s
Anthracene _A ^{M#}	<0.02	-	-	-	-	-	-	-	mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	0.06	-	-	-	-	-	-	-	mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	0.07	-	-	-	-	-	-	-	mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	<0.05	-	-	-	-	-	-	-	mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	<0.05	-	-	-	-	-	-	-	mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	<0.07	-	-	-	-	-	-	-	mg/kg	A-T-019s
Chrysene _A ^{M#}	<0.06	-	-	-	-	-	-	-	mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	<0.04	-	-	-	-	-	-	-	mg/kg	A-T-019s
Fluoranthene _A ^{M#}	<0.08	-	-	-	-	-	-	-	mg/kg	A-T-019s
Fluorene _A ^{M#}	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	0.04	-	-	-	-	-	-	-	mg/kg	A-T-019s
Naphthalene _A ^{M#}	<0.03	-	-	-	-	-	-	-	mg/kg	A-T-019s
Phenanthrene _A ^{M#}	0.06	-	-	-	-	-	-	-	mg/kg	A-T-019s
Pyrene _A ^{M#}	<0.07	-	-	-	-	-	-	-	mg/kg	A-T-019s
PAH (total 16) _A ^{M#}	0.21	-	-	-	-	-	-	-	mg/kg	A-T-019s

Envirolab Job Number: 16/06871

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/06871/18	16/06871/19	16/06871/20	16/06871/21	16/06871/22	16/06871/23	16/06871/24	16/06871/25	Units	Method ref
Client Sample No		1								
Client Sample ID	TPP40	TPP41	TPP42	TPP43	TPP44	TPP45	TPP46	TPP47		
Depth to Top	0.55	0.40	0.50	0.40	0.40	0.50	0.40	0.40		
Depth To Bottom	0.60		0.60	0.50	0.50	0.60	0.50	0.50		
Date Sampled	25-Oct-16	25-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16	26-Oct-16		
Sample Type	Soil	Soil - D	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	4A	6A	6A	6A	6A	6A	6A	4A		
TPH CWG										
Ali >C5-C6 _A [#]	<0.02	-	-	-	-	-	-	-	mg/kg	A-T-022s
Ali >C6-C8 _A [#]	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-022s
Ali >C8-C10 _A [#]	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-022s
Ali >C10-C12 _A [#]	<0.1	-	-	-	-	-	-	-	mg/kg	A-T-023s
Ali >C12-C16 _A [#]	<0.1	-	-	-	-	-	-	-	mg/kg	A-T-023s
Ali >C16-C21 _A [#]	<0.1	-	-	-	-	-	-	-	mg/kg	A-T-023s
Ali >C21-C35 _A [#]	<0.1	-	-	-	-	-	-	-	mg/kg	A-T-023s
Total Aliphatics _A	<0.1	-	-	-	-	-	-	-	mg/kg	A-T-023s
Aro >C5-C7 _A [#]	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-022s
Aro >C7-C8 _A [#]	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-022s
Aro >C8-C9 _A [#]	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-022s
Aro >C9-C10 _A [#]	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-022s
Aro >C10-C12 _A [#]	<0.1	-	-	-	-	-	-	-	mg/kg	A-T-023s
Aro >C12-C16 _A [#]	<0.1	-	-	-	-	-	-	-	mg/kg	A-T-023s
Aro >C16-C21 _A [#]	<0.1	-	-	-	-	-	-	-	mg/kg	A-T-023s
Aro >C21-C35 _A [#]	<0.1	-	-	-	-	-	-	-	mg/kg	A-T-023s
Total Aromatics _A	<0.1	-	-	-	-	-	-	-	mg/kg	A-T-023s
TPH (Ali & Aro) _A	<0.1	-	-	-	-	-	-	-	mg/kg	A-T-023s
BTEX - Benzene _A [#]	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-022s
BTEX - Toluene _A [#]	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-022s
BTEX - o Xylene _A [#]	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-022s
MTBE _A [#]	<0.01	-	-	-	-	-	-	-	mg/kg	A-T-022s

Envirolab Job Number: 16/06871

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/06871/26	16/06871/27	16/06871/28	16/06871/29	16/06871/30	16/06871/31	16/06871/32	16/06871/33	Units	Method ref
Client Sample No										
Client Sample ID	TPP48	TPP49	TPP50	TPP51	TPP52	TPP53	TPP54	TPP55		
Depth to Top	0.40	0.50	0.45	0.40	0.40	0.40	0.40	0.40		
Depth To Bottom	0.50	0.60	0.50	0.50	0.50	0.50	0.50	0.50		
Date Sampled	26-Oct-16	26-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16		
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	4A	4A	4A	6A	4A	6A	3A	3A		
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	Chrysotile	Chrysotile	Amosite	NAD	NAD	NAD	NAD	NAD		A-T-045
Asbestos Matrix (visual) _A	-	Cement	-	-	-	-	-	-		A-T-045
Asbestos Matrix (microscope) _A	Loose Fibres	Cement	Loose Fibres	-	-	-	-	-		A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	No	No	N/A	N/A	N/A	N/A	N/A		

Envirolab Job Number: 16/06871

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/06871/34	16/06871/35	16/06871/36	16/06871/38	16/06871/39	16/06871/40	16/06871/41	16/06871/42	Units	Method ref
Client Sample No										
Client Sample ID	TPP56	TPP57	TPP58	TPP59	TPP60	TPP61	TPP62	TPP63		
Depth to Top	0.50	0.40	0.40	0.40	0.50	0.50	0.40	0.50		
Depth To Bottom	0.60	0.50	0.850	0.50	0.60	0.60	0.50	0.60		
Date Sampled	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16	25-Oct-16		
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	4AB	4A	6A	3A	5A	6A	6A	6A		
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD	NAD	NAD	NAD	Chrysotile	NAD	NAD		A-T-045
Asbestos Matrix (microscope) _A	-	-	-	-	-	Loose Fibres	-	-		A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

Envirolab Job Number: 16/06871

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	16/06871/43	16/06871/44	16/06871/46						Units	Method ref
Client Sample No										
Client Sample ID	TPP64	TPP27	TPP58 Cement							
Depth to Top	0.50	0.30								
Depth To Bottom	0.60									
Date Sampled	25-Oct-16	25-Oct-16	25-Oct-16							
Sample Type	Soil	Solid - Fragment / Tile	Solid - Fragment / Tile							
Sample Matrix Code	4A	8	8							
Asbestos in Soil (inc. matrix)										
Asbestos in soil _A [#]	NAD	-	-							A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	-	-							
Bulk Fibre ID (inc. matrix)										
Bulk Fibre Identification _A [#]	-	Chrysotile	NAD							A-T-045
Bulk Fibre Identification Matrix (visual) _A	-	Cement	-							A-T-045
Bulk Fibre Identification - Suitable for Water Absorption Test? _D	-	Yes	N/A							Gravimetry

REPORT NOTES

General:

This report shall not be reproduced, except in full, without written approval from Envirolab.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure. These are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

FINAL ANALYTICAL TEST REPORT

SUPPLEMENT TO TEST REPORT 17/01531/1

Envirolab Job Number: 17/01531

Issue Number: 2

Date: 27 March, 2017

Client: RSK Environment Ltd Hemel
18 Frogmore Road
Hemel Hempstead
Hertfordshire
UK
HP3 9RT

Project Manager: Catherine Latimer/Craig Lewis/Nigel Austin

Project Name: Angmering

Project Ref: 27621

Order No: N/A

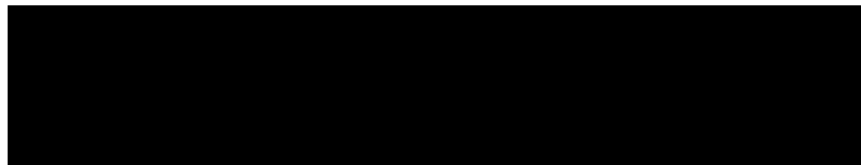
Date Samples Received: 02/03/17

Date Instructions Received: 02/03/17

Date Analysis Completed: 25/03/17

Prepared by:

Approved by:



Kate Keningale
Administrative Assistant

Lianne Bromiley
Senior Client Service Manager

Envirolab Job Number: 17/01531

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	17/01531/1	17/01531/2	17/01531/3	17/01531/4	17/01531/5				Units	Method ref
Client Sample No										
Client Sample ID	TP101A	TP102A	TP103A	TP104A	TP105A					
Depth to Top	0.50	0.50	0.60	0.70	0.60					
Depth To Bottom										
Date Sampled	28-Feb-17	28-Feb-17	28-Feb-17	28-Feb-17	28-Feb-17					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	3AD	3A	3A	3A	6A					
% Stones >10mm _A [#]	9.3	4.6	2.4	1.7	6.0				% w/w	A-T-044
pH _D ^{M#}	8.23	7.97	7.98	8.20	7.84				pH	A-T-031s
Sulphate (water sol 2:1) _D ^{M#}	0.11	0.08	0.09	0.07	0.08				g/l	A-T-026s
Sulphate (acid soluble) _D ^{M#}	370	250	340	310	290				mg/kg	A-T-028s
Arsenic _D ^{M#}	7	8	7	7	7				mg/kg	A-T-024s
Cadmium _D ^{M#}	2.0	2.1	2.1	2.1	2.1				mg/kg	A-T-024s
Copper _D ^{M#}	13	10	13	13	11				mg/kg	A-T-024s
Chromium _D ^{M#}	32	31	29	29	28				mg/kg	A-T-024s
Chromium (hexavalent) _D	<1	<1	<1	<1	<1				mg/kg	A-T-040s
Lead _D ^{M#}	26	17	23	26	18				mg/kg	A-T-024s
Mercury _D	<0.17	<0.17	<0.17	<0.17	<0.17				mg/kg	A-T-024s
Nickel _D ^{M#}	23	23	22	22	23				mg/kg	A-T-024s
Selenium _D	<1	<1	<1	<1	<1				mg/kg	A-T-024s
Zinc _D ^{M#}	63	54	56	56	53				mg/kg	A-T-024s

Envirolab Job Number: 17/01531

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	17/01531/1	17/01531/2	17/01531/3	17/01531/4	17/01531/5				Units	Method ref
Client Sample No										
Client Sample ID	TP101A	TP102A	TP103A	TP104A	TP105A					
Depth to Top	0.50	0.50	0.60	0.70	0.60					
Depth To Bottom										
Date Sampled	28-Feb-17	28-Feb-17	28-Feb-17	28-Feb-17	28-Feb-17					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	3AD	3A	3A	3A	6A					
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD	NAD	NAD	NAD					A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A	N/A	N/A	N/A					

Envirolab Job Number: 17/01531

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	17/01531/1	17/01531/2	17/01531/3	17/01531/4	17/01531/5				Units	Method ref
Client Sample No										
Client Sample ID	TP101A	TP102A	TP103A	TP104A	TP105A					
Depth to Top	0.50	0.50	0.60	0.70	0.60					
Depth To Bottom										
Date Sampled	28-Feb-17	28-Feb-17	28-Feb-17	28-Feb-17	28-Feb-17					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	3AD	3A	3A	3A	6A					
PAH 16										
Acenaphthene _A ^{M#}	<0.01	<0.01	<0.01	<0.01	<0.01				mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	<0.01	<0.01	<0.01	<0.01	<0.01				mg/kg	A-T-019s
Anthracene _A ^{M#}	<0.02	<0.02	<0.02	<0.02	<0.02				mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	<0.04	<0.04	<0.04	<0.04	<0.04				mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	<0.04	<0.04	<0.04	<0.04	<0.04				mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	<0.05	<0.05	<0.05	<0.05	<0.05				mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	<0.05	<0.05	<0.05	<0.05	<0.05				mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	<0.07	<0.07	<0.07	<0.07	<0.07				mg/kg	A-T-019s
Chrysene _A ^{M#}	<0.06	<0.06	<0.06	<0.06	<0.06				mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	<0.04	<0.04	<0.04	<0.04	<0.04				mg/kg	A-T-019s
Fluoranthene _A ^{M#}	<0.08	<0.08	<0.08	<0.08	<0.08				mg/kg	A-T-019s
Fluorene _A ^{M#}	<0.01	<0.01	<0.01	<0.01	<0.01				mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	<0.03	<0.03	<0.03	<0.03	<0.03				mg/kg	A-T-019s
Naphthalene _A ^{M#}	<0.03	<0.03	<0.03	<0.03	<0.03				mg/kg	A-T-019s
Phenanthrene _A ^{M#}	<0.03	<0.03	<0.03	<0.03	0.03				mg/kg	A-T-019s
Pyrene _A ^{M#}	<0.07	<0.07	<0.07	<0.07	<0.07				mg/kg	A-T-019s
PAH (total 16) _A ^{M#}	<0.08	<0.08	<0.08	<0.08	<0.08				mg/kg	A-T-019s

Envirolab Job Number: 17/01531

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	17/01531/1	17/01531/2	17/01531/3	17/01531/4	17/01531/5				Units	Method ref
Client Sample No										
Client Sample ID	TP101A	TP102A	TP103A	TP104A	TP105A					
Depth to Top	0.50	0.50	0.60	0.70	0.60					
Depth To Bottom										
Date Sampled	28-Feb-17	28-Feb-17	28-Feb-17	28-Feb-17	28-Feb-17					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	3AD	3A	3A	3A	6A					
TPH CWG										
Ali >C5-C6 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01				mg/kg	A-T-022s
Ali >C6-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01				mg/kg	A-T-022s
Ali >C8-C10 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01				mg/kg	A-T-022s
Ali >C10-C12 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1				mg/kg	A-T-023s
Ali >C12-C16 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1				mg/kg	A-T-023s
Ali >C16-C21 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1				mg/kg	A-T-023s
Ali >C21-C35 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1				mg/kg	A-T-023s
Total Aliphatics _A	<0.1	<0.1	<0.1	<0.1	<0.1				mg/kg	A-T-023s
Aro >C5-C7 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01				mg/kg	A-T-022s
Aro >C7-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01				mg/kg	A-T-022s
Aro >C8-C9 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01				mg/kg	A-T-022s
Aro >C9-C10 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01				mg/kg	A-T-022s
Aro >C10-C12 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1				mg/kg	A-T-023s
Aro >C12-C16 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1				mg/kg	A-T-023s
Aro >C16-C21 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1				mg/kg	A-T-023s
Aro >C21-C35 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1				mg/kg	A-T-023s
Total Aromatics _A	<0.1	<0.1	<0.1	<0.1	<0.1				mg/kg	A-T-023s
TPH (Ali & Aro) _A	<0.1	<0.1	<0.1	<0.1	<0.1				mg/kg	A-T-023s
BTEX - Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01				mg/kg	A-T-022s
BTEX - Toluene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01				mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01				mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01				mg/kg	A-T-022s
BTEX - o Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01				mg/kg	A-T-022s
MTBE _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01				mg/kg	A-T-022s

REPORT NOTES

General:

This report shall not be reproduced, except in full, without written approval from Envirolab.

All samples contained within this report, and any received with the same delivery, will be disposed of one month after the date of this report.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure. These are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

APPENDIX G

IMPORTED SOILS INFORMATION

Our Ref: 23571/CH/CD/609

Email

01st March 2017,

FAO Mr. S Lee

CALA Homes (South Home Counties) Limited
Tilford House
Farnham Business Park
Weydon Lane
Farnham
Surrey
GU9 8QT

Dear Sir

Re: Contract at Angmering

With reference to the above contract we attach certificate for imported topsoil for the bund.

Assuring you of our best attention at all times.

Yours faithfully,

Chas Howe
BLAZE CONSTRUCTION LTD

Enc

cc: Miss Elaine Broderick, Mr Sean Alger

Info

From: Caleb McIntyre | Eurogreen [REDACTED]
Sent: 27 February 2017 13:30 [REDACTED]
To: Info
Subject: BS3882 Topsoil
Attachments: BS3882 Batch 4 OCLA16637sk.pdf

Good afternoon Paul

Further to our discussions please find attached BS3882 Cert for the soil being delivered to your site tomorrow.

Kind Regards

Caleb McIntyre | Eurogreen [REDACTED]

EUROGREEN
ENVIRONMENTAL

GREENWASTE RECYCLING & LANDSCAPING SUPPLIES

West Sussex, BN12 6NZ

Our ref: OCLA16637sk

Client Ref: Verbal Caleb

Date: 21 October 2016



OEMAchem Ltd

Unit 4 Westwood Court

Brunel Road, Totton,

Southampton

SO40 3WX

Soil Analysis Test against BS 3882

Sampled	10/10/2016	Report No	16-08988
Received	11/10/2016	Sample ref	76756
Product	Soil	Location	
Sampled By	Client	Site	Batch Four

Table 1 : Soil Texture (% m/m)

Texture	Method	Sample	Multipurpose Topsoil Range	Specific Purpose Range				
				Acidic	Calcareous	Low Fertility	Low fertility Acidic	Low fertility Calcareous
Clay Content	5.05	17		5 to 35				
Silt Content	5.05	37		0 to 65				
Sand Content	5.05	39		30 to 85				
Soil Texture Class	5.05	Sandy Silt Loam		Note; See soil texture triangle in BS3882:2015 for allowed soils				

Table 2 : Mass Loss on ignition (%)

	Method	Sample	Multipurpose Topsoil Range	Specific Purpose Range				
				Acidic	Calcareous	Low Fertility	Low fertility Acidic	Low fertility Calcareous
Clay (5 – 20 %)	6.07	5.66	3 to 20	3 to 30	3 to 20	2 to 20	2 to 30	2 to 20
Clay (20 – 35 %)	-		5 to 20	5 to 30	5 to 20	2 to 20	2 to 30	2 to 20

Table 3: Maximum Coarse Fragment Content (% (m/m))

	Sample	Multipurpose Topsoil Range	Specific Purpose Range				
			Acidic	Calcareous	Low Fertility	Low fertility Acidic	Low fertility Calcareous
> 2 mm	7		0 – 30				
> 20 mm	<1		0 – 10				
> 50 mm	<1		0				

Table 4: Chemical Analysis (air-dried, sieved (< 2 mm) soil)

Analyte	Method	Sample	Multipurpose Topsoil Range	Specific Purpose Range				
				Acidic	Calcareous	Low Fertility	Low fertility Acidic	Low fertility Calcareous
Soil pH Value	5.03	7.7	5.5 – 8.5	3.5 – 5.5	7.5 – 9.0	3.5 – 9.0	3.5 – 5.5	7.5 – 9.0
Carbonate (%)	6.07	2.6	—	—	>1	—		> 1

Table 5: Available Plant Nutrient Content

	Method	Sample	Multipurpose Topsoil Range	Specific Purpose Range				
				Acidic	Calcareous	Low Fertility	Low fertility Acidic	Low fertility Calcareous
Nitrogen % m/m		0.4	>0.15	>0.15	>0.15	-	-	-
Extractable Phosphate mg/l	6.08	93	16 - 140	16 - 140	16 - 140	<20	<20	<20
Extractable Potassium mg/l	6.08	369	121 - 1500	121 - 1500	121 - 1500	-	-	-
Extractable Magnesium	6.08	213	51 - 600	51 - 600	51 - 600	-	-	-
Carbon:Nitrogen ratio	6.08	15:1	< 20:1	< 20:1	< 20:1	<35:1	<35:1	<20:1
Soil Electrical Conductivity		2670	3300					
Exchangeable sodium percentage % ¹⁾	6.08	N/A	< 15					

¹⁾ Need be measured only if the electrical conductivity is greater than 2800

Table 6: Phytotoxic Contaminants (by soil pH) (mg/kg) analyses carried out on air dried samples

	Method	Sample	Multipurpose and specific purpose topsoils		
Soil pH Range			< 6.0	6.0 - 7.0	> 7.0
Zinc	6.08	111	< 200	< 200	< 300
Copper	6.08	26	< 100	< 135	< 200
Nickel	6.08	18.5	< 60	< 75	< 110

Table 7: Additional Physical characteristics

	Method	Sample	Multipurpose and specific purpose topsoils
Plastics	6.01	<0.01	0.25%
Sharps	6.07	0	0%
Total Visible contaminants	—	<0.01	<0.5%

Comments (including details of weeds and other visible contaminants - all comments are beyond the scope of our accreditation)

This sample does meet the requirements of BS3882 and is compliant to the following:

	Multipurpose Topsoil Range	Specific Purpose Range				
		Acidic	Calcareous	Low Fertility	Low fertility Acidic	Low fertility Calcareous
Compliant:	YES	NO	YES	No	No	No

Mark Chiverton
Managing Director
Oemachem Ltd

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE
TRANSFER NOTE
Note No: 1325

SUPPLIERS OF: COMPOST TOPSOIL TURF LOGS WOODCHIP HORSE MANURE AGGREGATES

Collected From: EUROGREEN Date: 01-03-17

Customer Name: BLAZE CONSTRUCTION Time:

Site Address: TITMORE LANE
WORTHING

Description of material: TOPSOIL

Cubic Metres Collected: Tonnes Collected: 20

EW Code(s):

Vehicle Reg. No: WN61 JXK

Company Name Receiving Waste/Material: BLAZE CONSTRUCTION

Address: % CALA HOMES, ROUNDSTONE LANE,

ANGMERING BN16 4AX

Driver
Signature: 

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

North Barn Farm, Titmore Lane, Worthing, West Sussex, BN12 6NZ
ARUN DISTRICT COUNCIL A/155/21/DOC

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE
TRANSFER NOTE
Note No: 1326

SUPPLIERS OF: COMPOST TOPSOIL TURF LOGS WOODCHIP HORSE MANURE AGGREGATES

Collected From: EUROGREEN Date: 01-03-17

Customer Name: BLAZE CONSTRUCTION Time:

Site Address: TITMORE LANE
WORTHING

Description of material: TOPSOIL

Cubic Metres Collected: Tonnes Collected: 20

EW Code(s):

Vehicle Reg. No: WN61 JXK

Company Name Receiving Waste/Material: BLAZE CONSTRUCTION

Address: % CALA HOMES, ROUNDSTONE LANE,

ANGMERING BN16 4AX

Driver
Signature: 

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

North Barn Farm, Titmore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE
TRANSFER NOTE
Note No: 1327

SUPPLIERS OF: COMPOST TOPSOIL TURF LOGS WOODCHIP HORSE MANURE AGGREGATES

Collected From: EUROGREEN Date: 01-03-17

Customer Name: BLAZE CONSTRUCTION Time:

Site Address: TITMORE LANE
WORTHING

Description of material: TOPSOIL

Cubic Metres Collected: Tonnes Collected: 20

EWG Code(s):

Vehicle Reg. No: WN61 JXX

Company Name Receiving Waste/Material: BLAZE CONSTRUCTION

Address: 70 CALA HOMES, ROUNDSTONE LANE

ANGMERING BN16 4AX

Driver
Signature: 

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

North Barn Farm, Titmore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE
TRANSFER NOTE
Note No: 1592

SUPPLIERS OF: COMPOST TOPSOIL TURF LOGS WOODCHIP HORSE MANURE AGGREGATES

Collected From: EUROGREEN Date: 1-3-17

Customer Name: BLAZE CONSTRUCTION Time:

Site Address: TITMORE LANE
WORTHING

Description of material: TOPSOIL

Cubic Metres Collected: Tonnes Collected:

EWG Code(s):

Vehicle Reg. No: WN61 JXX

Company Name Receiving Waste/Material:

Address:

Driver
Signature: 

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

North Barn Farm, Titmore Lane, Worthing, West Sussex, BN12 6NZ

Note No: 1583

SUPPLIERS OF: COMPOST TOPSOIL TURF LOGS WOODCHIP HORSE MANURE AGGREGATES

Collected From: Date:

Customer Name: Time:

Site Address: _____

Description of material:

Cubic Metres Collected:		Tonnes Collected:	
----------------------------	--	----------------------	--

EWC Code(s):

Vehicle Reg. No. _____

Company Name Receiving Waste/Material:

Address:

Driver _____
Signature _____

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 1331

SUPPLIERS OF: COMPOST TOPSOIL TURF LOGS WOODCHIP HORSE MANURE AGGREGATES

Collected From: EUROGREEN Date: 02-03-17

Customer Name: BLAZE CONSTRUCTION Time:

Site Address: TITMORE LANE

WORTHING

Description of material: TOPSOIL

Cubic Metres
Collected:

Tonnes
Collected:

EW Code(s):

Vehicle Reg. No: WN61 JXK

Company Name Receiving Waste/Material: BLAZE CONSTRUCTION

Address: 50 CALA HOMES ROUNDSTONE LANE

ANGMERING BN16 4AX

Driver

Signature: [REDACTED]

Customers ordering vehicles off the public highway do so entirely on their own responsibility

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

North Barn Farm, Titmore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 1316

SUPPLIERS OF: COMPOST TOPSOIL TURF LOGS WOODCHIP HORSE MANURE AGGREGATES

Collected From: EUROGREEN Date: 28-02-17

Customer Name: BLAZE CONSTRUCTION Time:

Site Address: TITNORE LANE

WORTHING

Description of material: TOPSOIL

Cubic Metres
Collected:



Tonnes
Collected:

20

EWC Code(s):

Vehicle Reg. No: WN61 JXX

Company Name Receiving Waste/Material: BLAZE CONSTRUCTION

Address: % CALA HOMES, ROUNDSTONE LANE

ANGMERING BN16 4AX

Driver

Signature:

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 1317

SUPPLIERS OF: COMPOST TOPSOIL TURF LOGS WOODCHIP HORSE MANURE AGGREGATES

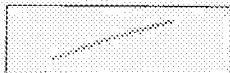
Collected From: EUROGREEN Date: 28-02-17

Customer Name: BLAZE CONSTRUCTION Time:

Site Address: TITMORE LANE
WORTHING

Description of material: TOPSOIL

Cubic Metres
Collected:



Tonnes
Collected:



EWG Code(s):

Vehicle Reg. No: WN61 JXX

Company Name Receiving Waste/Material: BLAZE CONSTRUCTION

Address: % CALA HOMES, ROUNDSTONE LANE

ANSMERING BN16 4AX

Driver

Signature:



entirely on their own responsibility

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

North Barn Farm, Titmore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 1318

SUPPLIERS OF: COMPOST TOPSOIL TURF LOGS WOODCHIP HORSE MANURE AGGREGATES

Collected From: EUROGREEN Date: 28-02-17

Customer Name: BLAZE CONSTRUCTION Time:

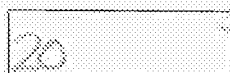
Site Address: TITNORE LANE
WORTHING

Description of material: TOPSOIL

Cubic Metres
Collected:



Tonnes
Collected:



EWC Code(s):

Vehicle Reg. No: WN61 JXX

Company Name Receiving Waste/Material: BLAZE CONSTRUCTION

Address: % CALA HOMES, ROUNDSTONE LANE

ANGMERING, BN16 4AX

Driver

Signature:



I confirm that I am a registered waste carrier and that this transfer note is required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 1319

SUPPLIERS OF: COMPOST TOPSOIL TURF LOGS WOODCHIP HORSE MANURE AGGREGATES

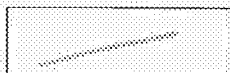
Collected From: EUROGREEN Date: 28-02-17

Customer Name: BLAZE CONSTRUCTION Time:

Site Address: TITNORE LANE
WORTHING

Description of material: TOPSOIL

Cubic Metres
Collected:



Tonnes
Collected:

20

EWC Code(s):

Vehicle Reg. No: WN61 JXX

Company Name Receiving Waste/Material: BLAZE CONSTRUCTION

Address: C/O CALA HOMES ROUNDSTONE LANE,

ANSWERING BN16 4AX

Driver

Signature:

I confirm that I have
Waste (England and Wales)

Certified that the

vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the
is thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 1320

SUPPLIERS OF: COMPOST TOPSOIL TURF LOGS WOODCHIP HORSE MANURE AGGREGATES

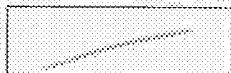
Collected From: EUROGREEN Date: 28-02-17

Customer Name: BLAZE CONSTRUCTION Time:

Site Address: TITNORE LANE
WORTHING

Description of material: TOPSOIL

Cubic Metres
Collected:



Tonnes
Collected:

20

EW Code(s):

Vehicle Reg. No: WN61 JXK

Company Name Receiving Waste/Material: BLAZE CONSTRUCTION

Address: 9 CALA HOMES, BOUNDSTONE LANE

ANGMERING BN16 4AX

Driver

Signature:



I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE
TRANSFER NOTE

Note No: 1321

SUPPLIERS OF: COMPOST TOPSOIL TURF LOGS WOODCHIP HORSE MANURE AGGREGATES

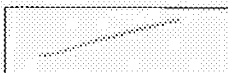
Collected From: EUROGREEN Date: 28-02-17

Customer Name: BLAZE CONSTRUCTION Time:

Site Address: TITNORE LANE
WORTHING

Description of material: TOPSOIL

Cubic Metres
Collected:



Tonnes
Collected:



EW Code(s):

Vehicle Reg. No: WN61 JXX

Company Name Receiving Waste/Material: BLAZE CONSTRUCTION

Address: 50 CALA HOMES, ROUNDSTONE LANE

ANSMERING BN16 4AX

Driver

Signature:

I confirm that
Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the use thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 1322

SUPPLIERS OF: COMPOST TOPSOIL TURF LOGS WOODCHIP HORSE MANURE AGGREGATES

Collected From: EUROGREEN

Date: 28-02-17

Customer Name: BLAZE CONSTRUCTION

Time:

Site Address: TITNORE LANE

WORTHING

Description of material: TOPSOIL

Cubic Metres
Collected:



Tonnes
Collected:

20

EWC Code(s):

Vehicle Reg. No: WNG1 JXK

Company Name Receiving Waste/Material: BLAZE CONSTRUCTION

Address: % CALA HOMES ROUNDSTONE LANE

ANGMERING BN16 4AX

Driver

Signature:

I confirm that I have
Waste (England)

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 1323

SUPPLIERS OF: COMPOST TOPSOIL TURF LOGS WOODCHIP HORSE MANURE AGGREGATES

Collected From: EUROGREEN Date: 28-02-17

Customer Name: BLAZE CONSTRUCTION Time:

Site Address: TITNORE LANE

WORTHING

Description of material: TOPSOIL

Cubic Metres
Collected:



Tonnes
Collected:



EWC Code(s):

Vehicle Reg. No: WN61 JXK

Company Name Receiving Waste/Material: BLAZE CONSTRUCTION

Address: 50 CALA HOMES, ROUNDSTONE LANE

ANSMERING BN16 4AX

Driver

Signature:

I confirm that I have read and understand the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 1324

SUPPLIERS OF: COMPOST TOPSOIL TURF LOGS WOODCHIP HORSE MANURE AGGREGATES

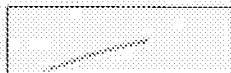
Collected From: EUROGREEN Date: 28-02-17

Customer Name: BLAZE CONSTRUCTION Time:

Site Address: TITNORE LANE
WORTHING

Description of material: TOPSOIL

Cubic Metres
Collected:



Tonnes
Collected:

20

EWG Code(s):

Vehicle Reg. No: WN61 JXK

Company Name Receiving Waste/Material: BLAZE CONSTRUCTION

Address: c/o CALA HOMES, ROUNDSTONE LANE

ANEMERING, BN16 4AX

Driver

Signature:

I confirm that I have

Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 1586

SUPPLIERS OF: COMPOST TOPSOIL TURF LOGS WOODCHIP HORSE MANURE AGGREGATES

Collected From: EUROGREEN Date:

Customer Name: WASTE COLLECTION Time:

Site Address:

Description of material: 12 TONS TOPSOIL

Cubic Metres
Collected:

Tonnes
Collected:

EWG Code(s):

Vehicle Reg. No: V 562 YDP

Company Name Receiving Waste/Material:

Address:

Driver
Signature



I confirm to
Waste (En)

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of; a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 1587

SUPPLIERS OF: COMPOST TOPSOIL TURF LOGS WOODCHIP HORSE MANURE AGGREGATES

Collected From: EUROGREEN Date: 25.2.14

Customer Name: BLAKE CONSTRUCTION Time: 10.00

Site Address: COOP HOUSE

Description of material: 10 TONS TOPSOIL

Cubic Metres
Collected:

Tonnes
Collected:

EWC Code(s):

Vehicle Reg. No: Y502 KDD

Company Name Receiving Waste/Material:

Address:

Driver
Signature:



I confirm the
Waste (Eng

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 1588

SUPPLIERS OF: COMPOST TOPSOIL TURF LOGS WOODCHIP HORSE MANURE AGGREGATES

Collected From: EUROGREEN

Date: 28-2-11

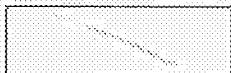
Customer Name: Stone Construction

Time: 12:30

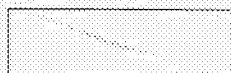
Site Address: CHURCH LANE

Description of material: 10 TONS TOPSOIL

Cubic Metres
Collected:



Tonnes
Collected:



EWC Code(s):

Vehicle Reg. No: X502 FDC

Company Name Receiving Waste/Material:

Address:

Driver

Signature:



Continuing to use vehicles on the public highway is entirely on their own responsibility

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 1589

SUPPLIERS OF: COMPOST TOPSOIL TURF LOGS WOODCHIP HORSE MANURE AGGREGATES

Collected From: EUROGREEN Date: Dec 2 2011

Customer Name: Blair's Construction Time: 16:15

Site Address: Cole House

Description of material: 10 Trunk Top Soil

Cubic Metres
Collected:

Tonnes
Collected:

EWC Code(s):

Vehicle Reg. No: Y562 RDD

Company Name Receiving Waste/Material:

Address:

Driver

Signature:



entirely on their own responsibility

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the use thereof made by the cubic metre or ton.

CARRIER REG. NO: CBU58167

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 1590

SUPPLIERS OF: COMPOST TOPSOIL TURF LOGS WOODCHIP HORSE MANURE AGGREGATES

Collected From: EUROGREEN Date: 26.2.17

Customer Name: SHANE CO. LTD Time: 15:00

Site Address: Sale Road

Description of material: 10 Tons of Topsoil

Cubic Metres
Collected:

Tonnes
Collected:

EWC Code(s):

Vehicle Reg. No: Y3 12 FDC

Company Name Receiving Waste/Material:

Address:

Driver

Signature:

[Redacted Signature]

entirely on their own responsibility

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 1591

SUPPLIERS OF: COMPOST TOPSOIL TURF LOGS WOODCHIP HORSE MANURE AGGREGATES

Collected From: EUROGREEN Date: 26.2.11

Customer Name: SLATE CONSTRUCTION Time: 16.30

Site Address: 55A HORNES

Description of material: 10 TONS TOPSOIL

Cubic Metres
Collected:

Tonnes
Collected:

EWC Code(s):

Vehicle Reg. No: Y512 FOL

Company Name Receiving Waste/Material:

Address:

Driver

Signature:

I confirm that I have taken my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CB0U58167

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

APPENDIX H

PHOTOGRAPHIC LOG – ASBESTOS HOTSPOT VOLATILE SAMPLING WORKS

PHOTOGRAPHIC LOG

Site Location: Former West End Nursery, Angmering

Photo No.
1

Date:
12.4.17

View to the north east of excavated asbestos hotspot material within Keltbray processing area



Photo No.
2

Date:
12.4.17

View to the north west of excavated asbestos hotspot material within Keltbray processing area, all stockpiles observed to be clearly labelled in accordance with the sites MMP



PHOTOGRAPHIC LOG

Site Location:

Photo No.
3

Date:
12.4.17

Close up representative view of excavated asbestos hotspot materials including fragments of ACM concrete tiles.

