

WEIGHBRIDGE TICKET

Ticket No. DO647700
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility
City Fields Industrial Estate
Tangmere
West Sussex
PO20 2FP
EA Permit No: EPR/DB3703HG
Company Reg No: 3629015
VAT No: 816160744
SIC Code: 38210
Waste Carrier Licence no: CBDU162145

Time In	08:21
Date In	29/5/2019
Time Out	08:31
Date Out	29/5/2019
Vehicle	E10TJT
Carrier	TJ Transport
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, , SIC Code:
Permit	
Zone	
Product	Topsoll BS3882 (20MM)
EWC Code	
1st Weight:	12,680.00 Kg NONE
2nd Weight:	31,080.00 Kg NONE
Net Weight:	18,400.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depositer

Signature waste

THE WOODHORN GROUP

THE WOODHORN GROUP

Date: 28/5/2019

Page: 1

Dispatch Note

Bill/Sold To: Blaze Construction Ltd 93 Leigh Road Hampshire Eastleigh SO50 9DQ	Job Site/Ship To: Blaze Construction Ltd CALA HOMES SITE CRESSWELL PARK ROUNDSTONE LANE ANGMERING
---	---

Quote No. 31401	Job No. 48085	Salesperson -No Sales Employee-	Manager	Ref 609/15042
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DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
-------------	------------	------------	----------------

28/5/2019

Container
8 Wheel Tipper

1.00 /

Product
Topsoli BS3882 (20MM)

18.40 / Tonnes

86.10

WEIGHBRIDGE TICKET

Ticket No. DO647746

WOODHORN GROUP Ltd

Tangmere Composting Facility
City Fields Industrial Estate
Tangmere
West Sussex
PO20 2FP
EA Permit No:EPR/DB3703HG
Company Reg No.3629015
VAT No.816160744
SIC Code: 38210
Waste Carrier Licence no: CBDU162145

Time In	13:00
Date In	29/5/2019
Time Out	13:13
Date Out	29/5/2019
Vehicle	E10TJT
Carrier	TJ Transport
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, , SIC Code:
Permit	
Zone	
Product	Topsoil BS3882 (20MM)
EWC Code	
1st Weight:	12,660.00 Kg NONE
2nd Weight:	31,620.00 Kg NONE
Net Weight:	18,960.00 Kg

Signature waste d

Signature waste re

THE WOODHORN GROUP

THE WOODHORN GROUP

Date: 28/5/2019

Page: 1

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No. 31398	Job No. 48080	Salesperson -No Sales Employee-	Manager	Ref 609/15042
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DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
-------------	------------	------------	----------------

29/5/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

13.96 / Tonnes

C

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WEIGHBRIDGE TICKET

Ticket No. DO647727
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility
City Fields Industrial Estate
Tangmere
West Sussex
PO20 2FP

EA Permit No: EPR/DB3703HG
Company Reg No: 3629015
VAT No: 816160744
SIC Code: 38210

Waste Carrier Licence no: CBDU162145

Time In	10:21
Date In	29/5/2019
Time Out	10:31
Date Out	29/5/2019
Vehicle	E10TJT
Carrier	TJ Transport
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, , SIC Code:
Permit	
Zone	
Product	Topsoil BS3882 (20MM)
EWC Code	
1st Weight:	12,680.00 Kg NONE
2nd Weight:	31,780.00 Kg NONE
Net Weight:	19,100.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depo

Signature waste recei

THE WOODHORN GROUP

THE WOODHORN GROUP

Date: 28/5/2019

Page: 1

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.	Job No.	Salesperson	Manager	Ref
31399	48084	-No Sales Employee-		609/15042

DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
-------------	------------	------------	----------------

29/5/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

19.10 / Tonnes

Compan

Compan

WEIGHBRIDGE TICKET

Ticket No. DO648115
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility
City Fields Industrial Estate
Tangmere

West Sussex

PO20 2FP

EA Permit No: EPR/D83703HG

Company Reg No: 3629015

VAT No: 916160744

SIC Code: 38210

Waste Carrier Licence no: CBDU162145

Time In 08:11

Date In 4/6/2019

Time Out 08:22

Date Out 4/6/2019

Vehicle V80TJT

Carrier TJ Transport

License No.

Client Blaze Construction Ltd

Address CRESSWELL PARK
ROUNDSTONE LANE
ANGLMERING SIC Code:

Permit

Zone

Product

Topsoil BS3682 (20MM)

EWC Code

1st Weight: 12,940.00 Kg NONE

2nd Weight: 21,520.00 Kg NONE

Net Weight: 18,580.00 Kg

By Signing this document I confirm that I have
fulfilled my duty to apply the waste hierarchy as
required by Regulation 12 of the waste (England
and Wales) Regulations 2011

Signature waste deposi

Signature waste receive

THE WOODHORN GROUP

Date: 3/6/2019

Page: 1

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.	Job No.	Salesperson	Manager	Ref
31515	48202	No Sales Employee		609/15042

DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
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4/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

19.00 / Tonnes

88.24

Company P

Company P

WEIGHBRIDGE TICKET

Ticket No. DO648118
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility

City Fields Industrial Estate

Tangmere

West Sussex

PO20 2FP

EA Permit No:EPR/DB3703HG

Company Reg No.3629015

VAT No.816160744

SIC Code: 38210

Waste Carrier Licence no: CBDU162145

Time In	08:30
Date In	4/6/2019
Time Out	08:37
Date Out	4/6/2019
Vehicle	V50TJT
Carrier	TJ Transport
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, , SIC Code:
Permit	
Zone	
Product	Topsoil BS3882 (20MM)
EWC Code	
1st Weight:	13,140.00 Kg NONE
2nd Weight:	31,580.00 Kg NONE
Net Weight:	18,440.00 Kg

By Signing this document I confirm that I have
fulfilled my duty to apply the waste hierarchy as
required by Regulation 12 of the waste (England
and Wales) Regulations 2011

Signature waste depositer

Signature waste receiver

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.

31516

Job No.

48214

Salesperson

-No Sales Employee-

Manager

Ref

609/15042

DESCRIPTION

QTY / UNIT

UNIT PRICE

EXTENDED PRICE

4/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

18.44 / Tonnes

86.24

WEIGHBRIDGE TICKET

Ticket No. DO648132
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility
City Fields Industrial Estate
Tangmere

West Sussex

PO20 2FP

EA Permit No: EPR/DB3703HG

Company Reg No. 3629015

VAT No. 816160744

SIC Code 38210

Waste Carrier Licence no. CBDU162145

Time In	09:56
Date In	4/6/2019
Time Out	10:07
Date Out	4/6/2019
Vehicle	V80TJT
Carrier	TJ Transport
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, , SIC Code:
Permit	
Zone	
Product	Topsoil BS3882 (20MM)
EWC Code	
1st Weight:	12,920.00 Kg NONI
2nd Weight:	31,220.00 Kg NONI
	44,140.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depositer

Signature waste receiver

THE WOODHORN GROUP

Date: 3/6/20

Page: 1

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANCMERING

Quote No.	Job No.	Salesperson	Manager	Ref
31534	48232	No Sales Employee		

DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
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4/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoli BS3882 (20MM)

19.00 / Tonnes

88 24

WEIGHBRIDGE TICKET

Ticket No. DO648124
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility
City Fields Industrial Estate
Tangmere
West Sussex
PO20 2FP
EA Permit No: EPR/DB3703HG
Company Reg No. 3629015
VAT No. 816160744
SIC Code: 38210
Waste Carrier Licence no: CBDU162145

Time In	09:07
Date In	4/6/2019
Time Out	09:33
Date Out	4/6/2019
Vehicle	V77TJT
Carrier	TJ Transport
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, , SIC Code:
Permit	
Zone	
Product	Topsail BS3882 (20MM)
EWC Code	
1st Weight:	12,520.00 Kg NONE
2nd Weight:	31,160.00 Kg NONE
Net Weight:	18,640.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depos

Signature waste receive

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.

31532

Job No.

48216

Salesperson

-No Sales Employee-

Manager

Ref

609/15042

DESCRIPTION

QTY / UNIT

UNIT PRICE

EXTENDED PRICE

4/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

18.64 / Tonnes

Compa

Compa

WEIGHBRIDGE TICKET

Ticket No. DO648119
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility

City Fields Industrial Estate

Tangmere

West Sussex

PO20 2FP

EA Permit No:EPR/DB3703HG

Company Reg No.3629015

VAT No.816160744

SIC Code: 38210

Waste Carrier Licence no: CBDU162145

Time In	08:38
Date In	4/6/2019
Time Out	08:46
Date Out	4/6/2019
Vehicle	E4TJT
Carrier	TJ Transport
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, , SIC Code:
Permit	
Zone	
Product	Topsoil BS3882 (20MM)
EWC Code	
1st Weight:	13,040.00 Kg NONE
2nd Weight:	31,540.00 Kg NONE
Net Weight:	18,500.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature w

Signature w

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.

31517

Job No.

48215

Salesperson

-No Sales Employee-

Manager

Ref

609/15042

DESCRIPTION

QTY / UNIT

UNIT PRICE

EXTENDED PRICE

4/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoll BS3882 (20MM)

18.50 / Tonnes

Com

Com

WEIGHBRIDGE TICKET

Ticket No. DO648424
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility

City Fields Industrial Estate

Tangmere

West Sussex

PO20 2FP

EA Permit No:EPR/DB3703HG

Company Reg No.3629015

VAT No.816160744

SIC Code: 38210

Waste Carrier Licence no: CBDU162145

Time In	10:48
Date In	6/6/2019
Time Out	10:59
Date Out	6/6/2019
Vehicle	V50TJT
Carrier	TJ Transport
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, , SIC Code:
Permit	
Zone	
Product	Topsoil BS3882 (20MM)
EWC Code	
1st Weight:	13,100.00 Kg NONE
2nd Weight:	31,420.00 Kg NONE
Net Weight:	18,320.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depositer

Signature waste r

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.

31592

Job No.

48292

Salesperson

-No Sales Employee-

Manager

Ref

609/15042

DESCRIPTION

QTY / UNIT

UNIT PRICE

EXTENDED PRICE

6/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoll BS3882 (20MM)

18.32 / Tonnes

WEIGHBRIDGE TICKET

Ticket No. DO648400
CONVEYANCE NOTE

WOODHORN GROUP Ltd**Tangmere Composting Facility**

City Fields Industrial Estate

Tangmere

West Sussex

PO20 2FP

EA Permit No:EPR/DB3703HG

Company Reg No.3629015

VAT No.816160744

SIC Code: 38210

Waste Carrier Licence no: CBDU162145

Time In	09:15
Date In	6/6/2019
Time Out	09:15
Date Out	6/6/2019
Vehicle	V28TJT
Carrier	TJ Transport
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, , SIC Code:
Permit	
Zone	
Product	Topsoil BS3882 (20MM)
EWC Code	
1st Weight:	12,620.00 Kg NONE
2nd Weight:	31,420.00 Kg NONE
Net Weight:	18,800.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depositer

Signature waste receiver

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
GRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.

31595

Job No.

48297

Salesperson

-No Sales Employee

Manager

Ref

609/15042

DESCRIPTION

QTY / UNIT

UNIT PRICE

EXTENDED PRICE

5/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

18.80 / Tonnes

Com

Com

WEIGHBRIDGE TICKET

Ticket No. DO648423
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility

City Fields Industrial Estate

Tangmere

West Sussex

PO20 2FP

EA Permit No:EPR/DB3703HG

Company Reg No.3629015

VAT No.816160744

SIC Code: 38210

Waste Carrier Licence no: CBDU162145

Time In	10:30
Date In	6/6/2019
Time Out	10:41
Date Out	6/6/2019
Vehicle	E4TJT
Carrier	TJ Transport
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, , SIC Code:
Permit	
Zone	
Product	Topsoil BS3882 (20MM)
EWC Code	
1st Weight:	13,040.00 Kg NONE
2nd Weight:	30,620.00 Kg NONE
Net Weight:	17,580.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depositer

Signature waste receiver

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.

31593

Job No.

48295

Salesperson

-No Sales Employee-

Manager

Ref

609/15042

DESCRIPTION

QTY / UNIT

UNIT PRICE

EXTENDED PRICE

6/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

17.58 / Tonnes

WEIGHBRIDGE TICKET

Ticket No. DO648420
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility

City Fields Industrial Estate

Tangmere

West Sussex

PO20 2FP

EA Permit No:EPR/DB3703HG

Company Reg No.3629015

VAT No.816160744

SIC Code: 38210

Waste Carrier Licence no: CBDU162145

Time In	10:13
Date In	6/6/2019
Time Out	10:26
Date Out	6/6/2019
Vehicle	V28TJT
Carrier	TJ Transport
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, , SIC Code:
Permit	
Zone	
Product	Topsoil BS3882 (20MM)
EWC Code	
1st Weight:	12,720.00 Kg NONE
2nd Weight:	31,400.00 Kg NONE
Net Weight:	18,680.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depositer

Signature waste receiver

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.

31594

Job No.

48296

Salesperson

-No Sales Employee-

Manager

Ref

609/15042

DESCRIPTION

QTY / UNIT

UNIT PRICE

EXTENDED PRICE

6/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoli BS3882 (20MM)

18.68 / Tonnes

Co

Co

WEIGHBRIDGE TICKET

Ticket No. DO648554
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility

City Fields Industrial Estate

Tangmere

West Sussex

PO20 2FP

EA Permit No: EPR/DB3703HG

Company Reg No. 3629015

VAT No. 816160744

SIC Code: 38210

Waste Carrier Licence no: CBDU162145

Time In	11:39
Date In	7/6/2019
Time Out	11:48
Date Out	7/6/2019
Vehicle	E11TJT
Carrier	TJ Transport
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, , SIC Code:
Permit	
Zone	
Product	Topsoil BS3882 (20MM)
EW Code	
1st Weight:	13,240.00 Kg NONE
2nd Weight:	31,340.00 Kg NONE
Net Weight:	18,100.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depositer

Signature waste receiver

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.

31610

Job No.

48310

Salesperson

-No Sales Employee-

Manager

Ref

609/15042

DESCRIPTION

QTY / UNIT

UNIT PRICE

EXTENDED PRICE

7/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

18.10 / Tonnes

85.03

Com

Com

WEIGHBRIDGE TICKET

Ticket No. DO648511
CONVEYANCE NOTE

WOODHORN GROUP Ltd

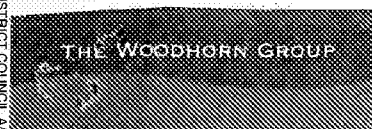
Tangmere Composting Facility
City Fields Industrial Estate
Tangmere
West Sussex
PO20 2FP
EA Permit No: EPR/D83703HG
Company Reg No: 3629015
VAT No: 816160744
SIC Code: 38210
Waste Carrier Licence no: CBDU162145

Time In	09:08		
Date In	7/6/2019		
Time Out	09:19		
Date Out	7/6/2019		
Vehicle	E11TJT		
Carrier	TJ Transport		
License No.			
Client	Blaze Construction Ltd		
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, , SIC Code:		
Permit			
Zone			
Product	Topsoil BS3882 (20MM)		
EWC Code			
1st Weight:	13,020.00	Kg	NONE
2nd Weight:	31,460.00	Kg	NONE
Net Weight:	18,440.00	Kg	

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depositor

Signature waste rece



Dispatch Note

Bill/Sold To: Blaze Construction Ltd 93 Leigh Road Hampshire Eastleigh SO50 9DQ	Job Site/Ship To: Blaze Construction Ltd CALA HOMES SITE CRESSWELL PARK ROUNDSTONE LANE ANGMERING
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Quote No. 31611	Job No. 48313	Salesperson -No Sales Employee-	Manager	Ref 609/15042
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DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
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7/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

19.00 / Tonnes

88.24

Com

Com

WEIGHBRIDGE TICKET

Ticket No. DO648498
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility

City Fields Industrial Estate

Tangmere

West Sussex

PO20 2FP

EA Permit No: EPR083703HQ

Company Reg No: 3629015

VAT No: 816160744

SIC Code: 38210

Waste Carrier Licence no: OBDU162145

Time In 08:00

Date In 7/6/2019

Time Out 08:10

Date Out 7/6/2019

Vehicle N40TJT

Carrier TJ Transport

License No.

Client

Blaze Construction Ltd

Address

CRESSWELL PARK,
ROUNDSTONE LANE,
ANGMERING, , SIC Code:

Permit

Zone

Product

Topsoil BS3882 (20MM)

EWC Code

1st Weight: 12,620.00 Kg NONE

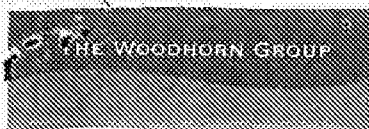
2nd Weight: 31,360.00 Kg NONE

Net Weight: 18,740.00 Kg

By Signing this document I confirm that I have
fulfilled my duty to apply the waste hierarchy as
required by Regulation 11 of the Waste Management
and Licensing Regulations 2011 (SI 2011 No. 1117) and Wales Regulations

Signature waste depo

Signature waste recei



Dispatch Note

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No. 31613	Job No. 48315	Salesperson No Sales Employee	Manager	Ref 609/15042
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DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
7/6/2019			
Container			
8 Wheel Tipper	1.00 /		
Product			
Topsoil BS3882 (20MM)	19.00 / Tonnes		
			88.24

WEIGHBRIDGE TICKET
Ticket No. DO648887

WOODHORN GROUP Ltd

Tangmere Composting Facility

City Fields Industrial Estate

Tangmere

West Sussex

PO20 2FP

EA Permit No:EPR/DB3703HG

Company Reg No.3629015

VAT No.816160744

SIC Code: 38210

Waste Carrier Licence no: CBDU162145

Time In	12:58
Date In	12/6/2019
Time Out	13:05
Date Out	12/6/2019
Vehicle	E4TJT
Carrier	TJ Transport
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, , SIC Code:
Permit	
Zone	
Product	Topsoil BS3882 (20MM)
EWC Code	
1st Weight:	13,060.00 Kg NONE
2nd Weight:	30,420.00 Kg NONE
Net Weight:	17,360.00 Kg

Signature waste depositer

Signature waste receiver

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.

31711

Job No.

48417

Salesperson

-No Sales Employee-

Manager

Ref

609/15042

DESCRIPTION

QTY / UNIT

UNIT PRICE

EXTENDED PRICE

12/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

17.36 / Tonnes

82.39

WEIGHBRIDGE TICKET

Ticket No. DO648868
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility

City Fields Industrial Estate

Tangmere

West Sussex

PO20 2FP

EA Permit No:EPR/DB3703HG

Company Reg No.3629015

VAT No.816160744

SIC Code: 38210

Waste Carrier Licence no: CBDU162145

Time In	11:29
Date In	12/6/2019
Time Out	11:42
Date Out	12/6/2019
Vehicle	V50TJT
Carrier	TJ Transport
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, , SIC Code:
Permit	
Zone	
Product	Topsoil BS3882 (20MM)
EWC Code	
1st Weight:	12,940.00 Kg NONE
2nd Weight:	31,140.00 Kg NONE
Net Weight:	18,200.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depositer

Signature waste receiver

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.

31713

Job No.

48421

Salesperson

-No Sales Employee-

Manager

Ref

609/15042

DESCRIPTION

QTY / UNIT

UNIT PRICE

EXTENDED PRICE

12/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

18.20 / Tonnes

WEIGHBRIDGE TICKET

Ticket No. DO648886
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility
City Fields Industrial Estate
Tangmere
West Sussex
PO20 2FP
EA Permit No:EPR/DB3703HG
Company Reg No.3629015
VAT No.816160744
SIC Code: 38210
Waste Carrier Licence no: CBDU162145

Time In	12:48		
Date In	12/6/2019		
Time Out	12:56		
Date Out	12/6/2019		
Vehicle	V14TJT		
Carrier	TJ Transport		
License No.			
Client	Blaze Construction Ltd		
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, , SIC Code:		
Permit			
Zone			
Product	Topsoli BS3882 (20MM)		
EWC Code			
1st Weight:	13,140.00	Kg	NONE
2nd Weight:	31,580.00	Kg	NONE
Net Weight:	18,440.00	Kg	

By Signing this document I confirm that I have
fulfilled my duty to apply the waste hierarchy as
required by Regulation 12 of the waste (England
and Wales) Regulations 2011

Signature waste depositer

Signature waste receiver

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.

31714

Job No.

48422

Salesperson

-No Sales Employee-

Manager

Ref

609/15042

DESCRIPTION

QTY / UNIT

UNIT PRICE

EXTENDED PRICE

12/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

18.44 / Tonnes

WEIGHBRIDGE TICKET

Ticket No. DO648857
CONVEYANCE NOTE

WOODHORN GROUP Ltd**Tangmere Composting Facility**

City Fields Industrial Estate

Tangmere

West Sussex

PO20 2FP

EA Permit No:EPR/DB3703HG

Company Reg No.3629015

VAT No.816160744

SIC Code: 38210

Waste Carrier Licence no: CBDU162145

Time In	10:18
Date In	12/6/2019
Time Out	10:31
Date Out	12/6/2019
Vehicle	V14TJT
Carrier	TJ Transport
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, , SIC Code:
Permit	
Zone	
Product	Topsoli BS3882 (20MM)
EWC Code	
1st Weight:	13,100.00 Kg NONE
2nd Weight:	31,980.00 Kg NONE
Net Weight:	18,880.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depositer

Signature waste receiver

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.

31715

Job No.

48424

Salesperson

-No Sales Employee-

Manager

Ref

609/15042

DESCRIPTION

QTY / UNIT

UNIT PRICE

EXTENDED PRICE

12/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

18.88 / Tonnes

87.81

WEIGHBRIDGE TICKET

Ticket No. 70649260
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Farghams Composting Facility
City Fields Industrial Estate
Farghams
West Sussex
PO20 3PP
EA Permit No EPR/D83703HG
Company Reg No 3629015
VAT No 815103744
SIC Code 38210

Waste Carrier Licence no. CU0162145

Time In 09:02
Date In 18/6/2019
Time Out 08:12
Date Out 18/6/2019
Vehicle EMTJT
Carrier TJ Transport
License No.
Client Blaze Construction Ltd

Address CRESSWELL PARK
ROUNDSTONE LANE
ANOMERIMMS SIC Code

Permit
Zone
Product Tipsoil BS3782 (20MM)
EWC Code

1st Weight:	13,100.00	Kg	NONE
2nd Weight:	1,740.00	Kg	NONE
Net Weight:	18,640.00		

By signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depositor

Signature waste

Dispatch Note

Sold To

Blaze Construction Ltd
57 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
FECUNDSTONE LANE
WIMBORNE

Quote No. 31803	Job No. 48518	Resperson Sales Employee	Manager	Ref 609/15042
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DESCRIPTION	QTY	UNIT	UNIT PRICE	EXTENDED PRICE
18/6/2019 Container 8 Wheel Tipper	1.00	/		
Product Topsoil BS3882 (20M ³)	19.00	/ Tonnes		

WEIGHBRIDGE TICKET

Ticket No. DO649278
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility
City Fields Industrial Estate
Tangmere
West Sussex
PO20 2FP
EA Permit No:EPR/DB3703HG
Company Reg No.3629015
VAT No.816160744
SIC Code: 38210
Waste Carrier Licence no: CBDU162145

Time In	09:57
Date In	18/6/2019
Time Out	10:08
Date Out	18/6/2019
Vehicle	E11TJT
Carrier	TJ Transport
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, , SIC Code:
Permit	
Zone	
Product	Topsoil BS3882 (20MM)
EWC Code	
1st Weight:	13,240.00 Kg NONE
2nd Weight:	31,520.00 Kg NONE
Net Weight:	18,280.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature

Signature

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.

31802

Job No.

48516

Salesperson

-No Sales Employee-

Manager

Ref

609/15042

DESCRIPTION

QTY / UNIT

UNIT PRICE

EXTENDED PRICE

18/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

18.28 / Tonnes

Co

Co

WEIGHBRIDGE TICKET

Ticket No. DO649839

WOODHORN GROUP Ltd

Tangmere Composting Facility

City Fields Industrial Estate

Tangmere

West Sussex

PO20 2FP

EA Permit No: EPR/D83703HG

Company Reg No: 3629015

VAT No: 816160744

SIC Code: 38210

Waste Carrier Licence no: CBDU162145

Time In	12:58
Date In	25/6/2019
Time Out	13:06
Date Out	25/6/2019
Vehicle	N77TJT
Carrier	TJ Transport Ltd
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING. , SIC Code:
Permit	
Zone	
Product	Topsail BS3882 (20MM)
EWOC Code	
1st Weight:	12,400.00 Kg NONE
2nd Weight:	30,860.00 Kg NONE
Net Weight:	18,460.00 Kg

Signature waste depos

Signature waste receiv

THE WOODHORN GROUP

THE WOODHORN GROUP

Date: 24/6/2019

Page: 1

Dispatch Note

BLAZE

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.	Job No.	Salesperson	Manager	Ref
31899	48624	-No Sales Employee-		609/15042

DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
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25/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

19.00 / Tonnes

WEIGHBRIDGE TICKET

Ticket No. DO649806
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility

City Fields Industrial Estate

Tangmere

West Sussex

PO20 2FP

EA Permit No: EPRDB3703HG

Company Reg No: 3629015

VAT No: 816160744

SIC Code: 38210

Waste Carrier Licence no: CBDU162145

Time In 10:47

Date In 25/6/2019

Time Out 10:56

Date Out 25/6/2019

Vehicle N40TJT

Carrier TJ Transport

License No.

Client Blaze Construction Ltd

Address CRESSWELL PARK,
ROUNDSTONE LANE,
ANGMERING, , SIC Code:

Permit

Zone

Product Topsoil BS3882 (20MM)

EWC Code

1st Weight: 12,580.00 Kg NONE

2nd Weight: 30,660.00 Kg NONE

Net Weight: 18,080.00 Kg

By Signing this document I confirm that I have
fulfilled my duty to apply the waste hierarchy as
required by Regulation 12 of the waste (England
and Wales) Regulations 2011

Signature waste depositer

Signature waste receiver

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.	Job No.	Salesperson	Manager	Ref
31900	48626	-No Sales Employee-		609/15042

DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
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25/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

19.00 / Tonnes

BRIDGE TICKET
t No. DO649890
EYANCE NOTE

WOODHORN GROUP Ltd

ting Facility
Estate

B3703HG
29015

se no: CBDU162145

09:36
25/6/2019
09:47
26/6/2019
E10TJT

T J Transport Ltd

Blaze Construction Ltd

CRESSWELL PARK,
ROUNDSTONE LANE,
ANGMERING, , SIC Code:

Topsoil BS3882 (20MM)

12,580.00 Kg NONI
29,780.00 Kg NONI
17,200.00 Kg

ument I confirm that I have
apply the waste hierarchy as
ion 12 of the waste (England
ions 2011

depositor

receive

WEIGHBRIDGE TICKET

Ticket No. DO649853
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility
City Fields Industrial Estate
Tangmere
West Sussex
PO20 2FP
EA Permit No:EPR/DB3703HG
Company Reg No.3629015
VAT No.816160744
SIC Code: 38210
Waste Carrier Licence no: CBDU162145

Time in 14:32
Date In 25/6/2019
Time Out 14:44
Date Out 25/6/2019
Vehicle N40TJT
Carrier T J Transport
License No.
Client Blaze Construction Ltd
Address CRESSWELL PARK,
ROUNDSTONE LANE,
ANGMERING, , SIC Code:

Permit
Zone
Product Topsoil BS3882 (20MM)
EWC Code

1st Weight: 12,580.00 Kg NONI
2nd Weight: 30,920.00 Kg NONI
Net Weight: 18,360.00 Kg

By Signing this document I confirm that I have
fulfilled my duty to apply the waste hierarchy as
required by Regulation 12 of the waste (England
and Wales) Regulations 2011

Signature waste depositor

WEIGHBRIDGE TICKET

Ticket No. DO649841

WOODHORN GROUP Ltd

Tangmere Composting Facility
City Fields Industrial Estate
Tangmere
West Sussex
PO20 2FP
EA Permit No:EPR/DB3703HG
Company Reg No.3629015
VAT No.816160744
SIC Code: 38210
Waste Carrier Licence no: CBDU162145

Time in 13:10
Date In 25/6/2019
Time Out 13:18
Date Out 25/6/2019
Vehicle N40TJT
Carrier T J Transport
License No.
Client Blaze Construction Ltd
Address CRESSWELL PARK,
ROUNDSTONE LANE,
ANGMERING, , SIC Code:

Permit
Zone
Product Topsoil BS3882 (20MM)
EWC Code

1st Weight: 12,580.00 Kg NONI
2nd Weight: 31,220.00 Kg NONI
Net Weight: 18,640.00 Kg

Signature waste depositor

THE WOODHORN GROUP

Date: 26/6/2019

Page: 1

Dispatch Note

BLAZE

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.	Job No.	Salesperson	Manager	Ref
31947	48671	-No Sales Employee-		609/15042

DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
-------------	------------	------------	----------------

26/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

18.00 / Tonnes

84.67

Com

Com

WEIGHBRIDGE TICKET

Ticket No. DO649922

CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility
City Fields Industrial Estate

Tangmere

West Sussex

PO20 2FP

EA Permit No: EPR/DB3703HG

Company Reg No. 3629015

VAT No. 816160744

SIC Code: 38210

Waste Carrier Licence no: CBDU162145

Time In 12:49

Date In 26/6/2019

Time Out 12:58

Date Out 26/6/2019

Vehicle N77TJT

Carrier TJ Transport Ltd

License No.

Client

Blaze Construction Ltd

Address

CRESSWELL PARK,
ROUNDSTONE LANE,
ANGMERING, , SIC Code:

Permit

Zone

Product

EWC Code

Topsoil BS3882 (20MM)

1st Weight: 12,420.00 Kg NONI

2nd Weight: 29,980.00 Kg NONI

Net Weight: 17,560.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depositor

Signature waste receiver

THE WOODHORN GROUP

Date: 26/6/2019

Page: 1

Dispatch Note

(BLAZE)

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.	Job No.	Salesperson	Manager	Ref
31944	48668	-No Sales Employee-		609/15042

DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
-------------	------------	------------	----------------

26/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

18.00 / Tonnes

Comp

Comp

WEIGHBRIDGE TICKET

Ticket No. DO649913

WOODHORN GROUP Ltd

Tangmere Composting Facility

City Fields Industrial Estate

Tangmere

West Sussex

PO20 2FP

EA Permit No:EPR/DB3703HG

Company Reg No.3629015

VAT No.816160744

SIC Code: 38210

Waste Carrier Licence no: CBDU162145

Time In	11:47		
Date In	26/6/2019		
Time Out	11:56		
Date Out	26/6/2019		
Vehicle	M44TJT		
Carrier	TJ Transport Ltd		
License No.			
Client	Blaze Construction Ltd		
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, ,	SIC Code:	
Permit			
Zone			
Product	Topsoil BS3882 (20MM)		
EWG Code			
1st Weight:	13,120.00	Kg	NONE
2nd Weight:	31,440.00	Kg	NONE
Net Weight:	18,320.00	Kg	

Signature waste depositer

Signature waste receiver

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.

31943

Job No.

48667

Salesperson

-No Sales Employee-

Manager

Ref

609/15042

DESCRIPTION

QTY / UNIT

UNIT PRICE

EXTENDED PRICE

26/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

18.32 / Tonnes

WEIGHBRIDGE TICKET

Ticket No. DO649896
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility

City Fields Industrial Estate

Tangmere

West Sussex

PO20 2FP

EA Permit No: EPR/DB3703HG

Company Reg No. 3629015

VAT No. 816160744

SIC Code: 38210

Waste Carrier Licence no: CBDU162145

Time In	10:18
Date In	26/6/2019
Time Out	10:28
Date Out	26/6/2019
Vehicle	M44TJT
Carrier	TJ Transport Ltd
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, , SIC Code:
Permit	
Zone	
Product	Topsoil BS3882 (20MM)
EW Code	
1st Weight:	13,120.00 Kg NONE
2nd Weight:	31,540.00 Kg NONE
Net Weight:	18,420.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depositer

Signature waste receiver

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.

31948

Job No.

48672

Salesperson

-No Sales Employee-

Manager

Ref

609/15042

DESCRIPTION

QTY / UNIT

UNIT PRICE

EXTENDED PRICE

26/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

18.42 / Tonnes

WEIGHBRIDGE TICKET

Ticket No. DO649900
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility

City Fields Industrial Estate

Tangmere

West Sussex

PO20 2FP

EA Permit No:EPR/DB3703HG

Company Reg No.3629015

VAT No.816160744

SIC Code: 38210

Waste Carrier Licence no: CBDU162145

Time In	10:26
Date In	26/6/2019
Time Out	10:34
Date Out	26/6/2019
Vehicle	V16TJT
Carrier	TJ Transport Ltd
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, , SIC Code:
Permit	
Zone	
Product	Topsoil BS3882 (20MM)
EWC Code	
1st Weight:	12,620.00 Kg NONE
2nd Weight:	30,080.00 Kg NONE
Net Weight:	17,460.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depositer

Signature waste receiver

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.

31949

Job No.

48673

Salesperson

-No Sales Employee-

Manager

Ref

609/15042

DESCRIPTION

QTY / UNIT

UNIT PRICE

EXTENDED PRICE

26/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

17.46 / Tonnes

WEIGHBRIDGE TICKET

Ticket No. DO649960
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility

City Fields Industrial Estate

Tangmere

West Sussex

PO20 2FP

EA Permit No:EPR/DB3703HG

Company Reg No.3629015

VAT No.816160744

SIC Code: 38210

Waste Carrier Licence no: CBDU162145

Time In	15:55
Date In	26/6/2019
Time Out	16:06
Date Out	26/6/2019
Vehicle	E10TJT
Carrier	TJ Transport Ltd
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, , SIC Code:
Permit	
Zone	
Product	Topsoil BS3882 (20MM)
EWC Code	
1st Weight:	12,740.00 Kg NONE
2nd Weight:	31,220.00 Kg NONE
Net Weight:	18,480.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depositer

Signature waste receiver

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.

31959

Job No.

48686

Salesperson

-No Sales Employee-

Manager

Ref

609/15042

DESCRIPTION

QTY / UNIT

UNIT PRICE

EXTENDED PRICE

27/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

18.48 / Tonnes

WEIGHBRIDGE TICKET

Ticket No. DO649930
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility
City Fields Industrial Estate

Tangmere
West Sussex

PO20 2FP

EA Permit No: EPR/DB3703HG

Company Reg No: 3629015

VAT No: 816160744

SIC Code: 38210

Waste Carrier Licence no: CBDU162145

Time In 13:42

Date In 26/6/2019

Time Out 13:51

Date Out 26/6/2019

Vehicle V16TJT

Carrier TJ Transport Ltd

License No.

Client Blaze Construction Ltd

Address CRESSWELL PARK,
ROUNDSTONE LANE,
ANGMERING, . SIC Code:

Permit

Zone

Product

EWC Code

Topsoil BS3882 (20MM)

1st Weight: 12,600.00 Kg NONI

2nd Weight: 30,140.00 Kg NONI

Net Weight: 17,540.00 Kg

By Signing this document I confirm that I have
fulfilled my duty to apply the waste hierarchy as
required by Regulation 12 of the waste (England
and Wales) Regulations 2011.

Signature waste depositor

Signature waste receiver



THE WOODHORN GROUP

Date: 26/6/2019

Page: 1

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.	Job No.	Salesperson	Manager	Ref
31945	48669	-No Sales Employee-		609/15042

DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
-------------	------------	------------	----------------

26/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

18.00 / Tonnes

Co

Co

WEIGHBRIDGE TICKET

Ticket No. DO649883
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility
City Fields Industrial Estate
Tangmere
West Sussex
PO20 2FP
EA Permit No: EPR/DB370SHG
Company Reg No. 3629015
VAT No. 616160744
SIC Code: 38210
Waste Carrier Licence no: CDBU162145

Time In	08:58
Date In	26/6/2019
Time Out	09:03
Date Out	26/6/2019
Vehicle	N77TJT
Carrier	TJ Transport Ltd
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, . SIC Code:
Permit	
Zone	
Product	Topsoil BS3882 (20MM)
EWC Code	
1st Weight:	12,460.00 Kg NONI
2nd Weight:	30,640.00 Kg NONI
Net Weight:	18,180.00 Kg

By Signing this document I confirm that I have
fulfilled my duty to apply the waste hierarchy as
required by Regulation 12 of the waste (England
and Wales) Regulations 2011

Signature waste depositor

Signature waste receiver

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.

31946

Job No.

48670

Salesperson

-No Sales Employee-

Manager

Ref

609/15042

DESCRIPTION

QTY / UNIT

UNIT PRICE

EXTENDED PRICE

26/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

18.00 / Tonnes

WEIGHBRIDGE TICKET

Ticket No. DO649870
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility

City Fields Industrial Estate

Tangmere

West Sussex

PO20 2FP

EA Permit No: EPRDB3703HG

Company Reg No 3629015

VAT No. 816160744

SIC Code 38210

Waste Carrier Licence no: CBDU162145

Time In	07:59
Date In	26/6/2019
Time Out	08:17
Date Out	26/6/2019
Vehicle	E10TJT
Carrier	TJ Transport Ltd
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING. , SIC Code:
Permit	
Zone	
Product	Topsoil BS3882 (20MM)
EWC Code	
1st Weight:	12,620.00 Kg NONE
2nd Weight:	31,080.00 Kg NONE
Net Weight:	18,460.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depositer

Signature waste receiver

Dispatch Note



Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.	Job No.	Salesperson	Manager	Ref
31942	48666	-No Sales Employee-		

DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
26/6/2019			
Container			
8 Wheel Tipper	1.00 /		
Product			
Topsoil BS3882 (20MM)	18.00 / Tonnes		

84.87

Co

Co

WEIGHBRIDGE TICKET

Ticket No. DO650011
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility
City Fields Industrial Estate
Tangmere
West Sussex
PO20 2FP
EA Permit No: EPR/DB3703HG
Company Reg No: 3829015
VAT No: 816160744
SIC Code: 38210
Waste Carrier Licence no: CSDU162146

Time In	11:21
Date In	27/6/2019
Time Out	11:32
Date Out	27/6/2019
Vehicle	E11TJT
Carrier	TJ Transport Ltd
License No	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDESTONE LANE, ALDERSHOT, SURREY GU24 0JL
Permit	
Zone	
Product	Topsoil
SWO Code	
1st Weight	11.100000 kg
2nd Weight	11.100000 kg
Net Weight	11.100000 kg

By Signing this document I confirm that I have
fulfilled my duty to apply the Waste Management
required by Regulation 12 of the Waste England
and Wales Regulations 2011

Signature waste carrier

Signature waste receiver

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.	Job No.	Salesperson	Manager	Ref
31966	48694	-No Sales Employee-		

DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
-------------	------------	------------	----------------

27/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

19.00 / Tonnes

WEIGHBRIDGE TICKET

Ticket No. DCX49989
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tongmere Composting Facility

City Fields Industrial Estate

Tongmere

West Sussex

PO20 2FP

E & P Permit No: EPR/050703HQ

Landfill Reg No: 0620005

01794 2187000

01794 33210

Waste Transfer Note No: CSD1902145

Time In 08:18

Gate In 27/02/2016

Time Out 09:22

Date Out 27/02/2016

Vehicle V25TJT

Driver T J Transport

License No

Client Stone Construction Ltd

Address ONECROSSAL PARK
BURNHAYSTONE LANE
ALLMERHAM, SIC Codes

Permit

Zone

Product Tarmac BS0382 (20MM)

EWC Code

1st Weight: 12,920.00 Kg NONE

2nd Weight: 3,110.00 Kg NONE

Net Weight: 18,520.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depositor

Signature waste receiver

Dispatch Note

BLAZE

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.	Job No.	Salesperson	Manager	Ref
31961	48688	-No Sales Employee-		

DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
-------------	------------	------------	----------------

~~27/6/2019~~

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

19.00 / Tonnes

WEIGHBRIDGE TICKET

Ticket No. DO650004
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility
City Fields Industrial Estate
Tangmere
West Sussex
PO20 2FP
EA Permit No: EPR/DB3703HG
Company Reg No: 3629015
VAT No: 816160744
SIC Code: 38210

Waste Carrier Licence no: CBDU162145

Time In	10:48
Date In	27/6/2019
Time Out	10:55
Date Out	27/6/2019
Vehicle	V25TJT
Carrier	TJ Transport Ltd
License No.	
Client	Blaze Construction Ltd

Address CRESSWELL PARK,
ROUNDSTONE LANE,
ANGMERING. , SIC Code:

Permit
Zone

Product Topsoil BS3882 (20MM)
EWC Code

1st Weight:	12,820.00	Kg	NONE
2nd Weight:	31,320.00	Kg	NONE
Net Weight:	18,500.00	Kg	

By Signing this document I confirm that I have
fulfilled my duty to apply the waste hierarchy as
required by Regulation 12 of the waste (England
and Wales) Regulations 2011

Signature waste depositer

Signature waste receiver

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.	Job No.	Salesperson	Manager	Ref
31965	48692	-No Sales Employee-		

DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
27/6/2019			
Container 8 Wheel Tipper	1.00 /		
Product Topsoil BS3882 (20MM)	19.00 / Tonnes		
			88.24

WEIGHBRIDGE TICKET

Ticket No. DO649972
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility

City Fields Industrial Estate

Tangmere

West Sussex

PO20 2FP

EA Permit No. EPR/DB3703HG

Company Reg No 3628015

VAT No 816180744

SIC Code 36210

Waste Carrier Licence no. CB0U162145

Time in 03:08

Date in 27/6/2019

Time Out 08:18

Date Out 27/6/2019

Vehicle V26TJT

Carrier TJ Transport Ltd

License No.

Client Blaze Construction Ltd

Address CRESSWELL PARK
ROUNDESTONE LANE
ANGMERING, SIC Code

Permit

Zone

Product Topsoil Br. (incl. 1000kg)

EWU Code

1st Weight 12545.00 Kg NONI

2nd Weight 31380.00 Kg NONI

Net Weight 18740.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depositor

Signature waste receiver

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.	Job No.	Salesperson	Manager	Ref
31964	48691	-No Sales Employee-		

DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
-------------	------------	------------	----------------

27/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

19.00 / Tonnes

WEIGHBRIDGE TICKET

Ticket No. DO650031
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility
City Fields Industrial Estate
Tangmere
West Sussex
PO20 2FP
EA Permit No: EPR/DB3700HG
Company Reg No: 3829015
VAT No: 816160744
SIC Code: 38210
Waste Carrier Licence no: OBDU162145

Time in	12:29
Date in	27/6/2019
Time Out	12:37
Date Out	27/6/2019
Vehicle	V16TJT
Carrier	TJ Transport Ltd
License No.	
Client	Blaze Construction Ltd
Address	GRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, . SIC Code:
Permit	
Zone	
Product	Topsoil BS3882 (20MM)
EWC Code	
1st Weight:	12,660.00 Kg NONE
2nd Weight:	31,080.00 Kg NONE
Net Weight:	18,420.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depositor

Signature waste receiver

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.	Job No.	Salesperson	Manager	Ref
31963	48690	-No Sales Employee-		

DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
27/6/2019			
Container			
8 Wheel Tipper	1.00 /		
Product			
Topsoil BS3882 (20MM)	19.00 / Tonnes		

Co

Co

WEIGHBRIDGE TICKET

Ticket No. DO650050
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility
City Fields Industrial Estate
Tangmere
West Sussex
PO20 2FP
EA Permit No. EPR/D63703HG
Company Reg No. 3629015
VAT No. 816160744
SIC Code 38210
Waste Carrier Licence no. CSDU162145

Time In	13:58
Date In	27/6/2019
Time Out	14:10
Date Out	27/6/2019
Vehicle	E11TJT
Carrier	TJ Transport Ltd
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, . SIC Code:
Permit	
Zone	
Product	Topsoil BS3882 (20MM)
EWG Code	
1st Weight:	13,100.00 Kg NONE
2nd Weight:	30,060.00 Kg NONE
Net Weight:	16,960.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depositor

Signature waste receiver

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.	Job No.	Salesperson	Manager	Ref
31962	48689	-No Sales Employee-		

DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
-------------	------------	------------	----------------

27/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

19.00 / Tonnes

88.24

WEIGHBRIDGE TICKET

Ticket No. DO649996
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility
City Fields Industrial Estate
Tangmere
West Sussex
PO20 2FP
EA Permit No: EPR/D3703HG
Company Reg No 3629015
VAT No. 816160744
SIC Code: 38210
Waste Carrier Licence no: CBDU162145

Time In	09:48
Date In	27/6/2019
Time Out	10:01
Date Out	27/6/2019
Vehicle	V26TJT
Carrier	TJ Transport Ltd
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING. , SIC Code:
Permit	
Zone	
Product	Topsoil BS3882 (20MM)
EWC Code	
1st Weight:	12,620.00 Kg NONE
2nd Weight:	30,880.00 Kg NONE
Net Weight:	18,260.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depositer

Signature waste receiver

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.	Job No.	Salesperson	Manager	Ref
31960	48687	-No Sales Employee-		

DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
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~~27/6/2019~~

Container
8 Wheel Tipper

1.00 /

Product
Topsoil BS3882 (20MM)

19.00 / Tonnes

Com

Com

WEIGHBRIDGE TICKET

Ticket No. DO650144
CONVEYANCE NOTE

WOODHORN GROUP Ltd

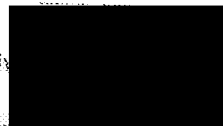
Tangmere Composting Facility
City Fields Industrial Estate
Tangmere
West Sussex
PO20 2FP
EA Permit No: EPR/D3703HG
Company Reg No 3629015
VAT No. 816160744
SIC Code 38210
Waste Carrier Licence no: CBDU162145

Time In	10:46
Date In	28/6/2019
Time Out	10:56
Date Out	28/6/2019
Vehicle	V16TJT
Carrier	TJ Transport Ltd
License No.	
Client	Bleaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, . SIC Code:
Permit	
Zone	
Product	Topsoil BS3882 (20MM)
EWC Code	
1st Weight:	12,660.00 Kg NON
2nd Weight:	31,060.00 Kg NON
Net Weight:	18,400.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depositer

Signature waste receiver



Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.	Job No.	Salesperson	Manager	Ref
32007	48734	-No Sales Employee-		

DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
-------------	------------	------------	----------------

28/6/2019

Container

8 Wheel Tipper 1.00 /

Product

Topsoil BS3882 (20MM) 19.00 / Tonnes

WEIGHBRIDGE TICKET

Ticket No. DO650104
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility
City Fields Industrial Estate
Tangmere
West Sussex
PO20 2FP
EA Permit No: EPR/DB3703HG
Company Reg No. 3629015
VAT No. 816160744
SIC Code 38210
Waste Carrier Licence no: CBDU162145

Time In	08:58
Date In	28/6/2019
Time Out	09:08
Date Out	28/6/2019
Vehicle	V16TJT
Carrier	TJ Transport Ltd
License No	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, , SIC Code:
Permit	
Zone	
Product	Topsoil BS3882 (20MM)
EWC Code	
1st Weight:	12,660.00 Kg NONE
2nd Weight:	31,040.00 Kg NONE
Net Weight:	18,380.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depositer

Signature waste receiver

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.	Job No.	Salesperson	Manager	Ref
32014	48742	-No Sales Employee-		

DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
-------------	------------	------------	----------------

28/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

19.00 / Tonnes

Co

Co

WEIGHBRIDGE TICKET

Ticket No. DO650161
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility
City Fields Industrial Estate

Tangmere
West Sussex
PO20 2FP

EA Permit No: EPR/D83703HG

Company Reg No: 3629015

VAT No: 816160744

SIC Code: 38210

Waste Carrier Licence no: CBDU162145

Time In	11:44
Date In	28/6/2019
Time Out	11:54
Date Out	28/6/2019
Vehicle	E11TJT
Carrier	TJ Transport Ltd
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, . SIC Code:
Permit	
Zone	
Product	Topsoil BS3882 (20MM)
EWC Code	
1st Weight:	13,040.00 Kg NONI
2nd Weight:	31,200.00 Kg NONI
Net Weight:	18,160.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011.

Signature waste depositer

Signature waste receiver

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.	Job No.	Salesperson	Manager	Ref
32009	48736	-No Sales Employee-		

DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
-------------	------------	------------	----------------

28/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

19.00 / Tonnes

WEIGHBRIDGE TICKET

Ticket No. DO650206
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility
City Fields Industrial Estate
Tangmere
West Sussex
PO20 2FP
EA Permit No: EPR/DB3703HG
Company Reg No: 3629015
VAT No: 816160744
SIC Code: 38210
Waste Carrier Licence no: CBDU162145

Time In	13:45
Date In	28/6/2019
Time Out	13:55
Date Out	28/6/2019
Vehicle	E10TJT
Carrier	TJ Transport Ltd
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK ROUNDSTONE LANE ANGMERING. SIC Code:
Permit	
Zone	
Product	Topsoil BS3882 (20MM)
EWC Code	
1st Weight:	12,700.00
2nd Weight:	30,780.00 Kg NONE
Net Weight:	18,080.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depositor

Signature v

THE WOODHORN GROUP

Date: 27/6/2019

Page: 1

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.	Job No.	Salesperson	Manager	Ref
32010	48737	-No Sales Employee-		

DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
28/6/2019			
Container			
8 Wheel Tipper	1.00 /		
Product			
Topsoil BS3882 (20MM)	19.00 / Tonnes		

Co

Co

WEIGHBRIDGE TICKET

Ticket No. DO650121
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility
City Fields Industrial Estate

Tangmere
West Sussex
PO20 2FP

EA Permit No: EPR/DB3703HG
Company Reg No: 3629015

VAT No: 816160744
SIC Code: 38210

Waste Carrier Licence no: CBDU162145

Time In 09:52
Date In 28/6/2019

Time Out 10:07
Date Out 28/6/2019

Vehicle E11TJT

Carrier TJ Transport Ltd

License No.
Client Blaze Construction Ltd

Address CRESSWELL PARK,
ROUNDSTONE LANE,
ANGMERING, SIC Code:

Permit
Zone

Product Topsoil BS3882 (20MM)
EWC Code

1st Weight: 13,080.00 Kg NONE

2nd Weight: 31,300.00 Kg NONE

Net Weight: 18,220.00 Kg

By Signing this document I confirm that I have
fulfilled my duty to apply the waste hierarchy as
required by Regulation 12 of the waste (England
and Wales) Regulations 2011

Signature waste depositor

Signature waste receiver



Dispatch Note

Bill/Sold To: Blaze Construction Ltd 93 Leigh Road Hampshire Eastleigh SO50 9DQ	Job Site/Ship To: Blaze Construction Ltd CALA HOMES SITE CRESSWELL PARK ROUNDSTONE LANE ANGMERING
---	---

Quote No.	Job No.	Salesperson	Manager	Ref
32011	48738	-No Sales Employee-		

DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
28/6/2019			
Container			
8 Wheel Tipper	1.00 /		
Product			
Topsoil BS3882 (20MM)	19.00 / Tonnes		
			88.24

Cor

Cor

WEIGHBRIDGE TICKET

Ticket No. DO650155
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility

City Fields Industrial Estate

Tangmere

West Sussex

PO20 2FP

EA Permit No: EPR/DB3703HG

Company Reg No: 3629015

VAT No: 816160744

SIC Code: 38210

Waste Carrier Licence no: CBDU162145

Time In	11:16
Date In	28/6/2019
Time Out	11:23
Date Out	28/6/2019
Vehicle	N77TJT
Carrier	TJ Transport Ltd
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, , SIC Code:
Permit	
Zone	
Product	Topsoil BS3882 (20MM)
EWC Code	
1st Weight:	12,280.00 Kg NONE
2nd Weight:	29,740.00 Kg NONE
Net Weight:	17,460.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depositer

Signature waste re

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.	Job No.	Salesperson	Manager	Ref
32008	48735	-No Sales Employee-		

DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
-------------	------------	------------	----------------

28/6/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

19.00 / Tonnes

WEIGHBRIDGE TICKET

Ticket No. DO650108
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility
City Fields Industrial Estate
Tangmere
West Sussex
PO20 2FP

EA Permit No: EPR/D83703HG
Company Reg No: 3629015
VAT No: 316160744
SIC Code: 38210

Waste Carrier Licence no: CBDU162146

Time In	09:14
Date In	28/6/2019
Time Out	09:24
Date Out	28/6/2019
Vehicle	E10TJT
Carrier	TJ Transport Ltd
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, . SIC Code:
Permit	
Zone	
Product	Topsail BS3882 (20MM)
EWC Code	
1st Weight:	12,640.00 Kg NONE
2nd Weight:	30,720.00 Kg NONE
Net Weight:	18,080.00 Kg

By Signing this document I confirm that I have
fulfilled my duty to apply the waste hierarchy as
required by Regulation 12 of the waste (England
and Wales) Regulations 2011

Signature waste depositer

Signature waste receiver

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.

32013

Job No.

48740

Salesperson

-No Sales Employee-

Manager

Ref

DESCRIPTION

QTY / UNIT

UNIT PRICE

EXTENDED PRICE

28/6/2019

Container
8 Wheel Tipper

1.00 /

Product

Topsoli BS3882 (20MM)

19.00 / Tonnes

WEIGHBRIDGE TICKET

Ticket No. DO650227
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility
City Fields Industrial Estate
Tangmere

West Sussex

PO20 2FP

EA Permit No: EPRD83703HG

Company Reg No. 3629015

VAT No. 816160744

SIC Code: 38210

Waste Carrier Licence no: CBDU162146

Time In 15:24

Date In 28/6/2019

Time Out 15:36

Date Out 28/6/2019

Vehicle E10TJT

Carrier TJ Transport

License No.

Client Blaze Construction Ltd

Address CRESSWELL PARK,
ROUNDSTONE LANE,
ANGMERING, . SIC Code:

Permit

Zone

Product

EWC Code Topsoil BS3882 (20MM)

1st Weight: 12,700.00 Kg NONI

2nd Weight: 30,620.00 Kg NONI

Net Weight: 17,920.00 Kg

By Signing this document I confirm that I have
fulfilled my duty to apply the waste hierarchy as
required by Regulation 12 of the waste (England
and Wales) Regulations 2011

Signature waste depositor

Signature waste rec

THE WOODHORN GROUP

Date: 27/6/2019

Page: 1

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.	Job No.	Salesperson	Manager	Ref
32006	48724	-No Sales Employee-		

DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
-------------	------------	------------	----------------

1/7/2019

Container

8 Wheel Tipper

1.00 /

Product

Topsoil BS3882 (20MM)

19.00 / Tonnes

WEIGHBRIDGE TICKET

Ticket No. DO650113
CONVEYANCE NOTE

WOODHORN GROUP Ltd

Tangmere Composting Facility
City Fields Industrial Estate
Tangmere
West Sussex
PO20 2FP
EA Permit No: EPR/DB3703HG
Company Reg No: 3529015
VAT No: 816160744
SIC Code: 38210
Waste Carrier Licence no: CBDU162145

Time In	08:42
Date In	28/6/2019
Time Out	09:50
Date Out	28/6/2019
Vehicle	N77TJT
Carrier	TJ Transport Ltd
License No.	
Client	Blaze Construction Ltd
Address	CRESSWELL PARK, ROUNDSTONE LANE, ANGMERING, . SIC Code:
Permit	
Zone	
Product	Topsoil BS3882 (20MM)
EWC Code	
1st Weight:	12,320.00 Kg NON
2nd Weight:	30,220.00 Kg NON
Net Weight:	17,900.00 Kg

By Signing this document I confirm that I have fulfilled my duty to apply the waste hierarchy required by Regulation 12 of the waste (England and Wales) Regulations 2011

Signature waste depositer

Signature waste rec

Dispatch Note

Bill/Sold To:

Blaze Construction Ltd
93 Leigh Road
Hampshire
Eastleigh
SO50 9DQ

Job Site/Ship To:

Blaze Construction Ltd
CALA HOMES SITE
CRESSWELL PARK
ROUNDSTONE LANE
ANGMERING

Quote No.	Job No.	Salesperson	Manager	Ref
32012	48739	-No Sales Employee-		

DESCRIPTION	QTY / UNIT	UNIT PRICE	EXTENDED PRICE
28/6/2019			
Container			
8 Wheel Tipper	1.00 /		
Product			
Topsoil BS3882 (20MM)	19.00 / Tonnes		



APPENDIX E

LABORATORY CERTIFICATES

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 19/11179
Issue Number: 1

Date: 04 December, 2019

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

Project Manager: Josh Laite; All RSK Southampton
Project Name: Angmering
Project Ref: 305021
Order No: N/A
Date Samples Received: 25/11/19
Date Instructions Received: 25/11/19
Date Analysis Completed: 04/12/19

Prepared by:

Approved by:



Melanie Marshall
Laboratory Coordinator

Holly Neary-King
Deputy Admin & Client Services Supervisor

Envirolab Job Number: 19/11179

Client Project Name: Angmering

Client Project Ref: 305021

Lab Sample ID	19/11179/1	19/11179/2	19/11179/3	19/11179/4	19/11179/5	19/11179/6	19/11179/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	HDP239	HDP239	HDP240	HDP241	HDP242	HDP243	HDP244			
Depth to Top	0.10	0.30	0.10	0.30	0.25	0.20	0.20			
Depth To Bottom	0.20	0.40	0.20	0.40	0.30	0.30	0.30			
Date Sampled	21-Nov-19	21-Nov-19	21-Nov-19	21-Nov-19	21-Nov-19	21-Nov-19	21-Nov-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6AE	5AE	6AE	5AE	5AE	5AE	5AE			
% Stones >10mm _A	<0.1	7.1	4.3	4.3	11.3	8.7	9.6	% w/w	0.1	A-T-044
pH _D ^{M#}	8.11	8.53	8.19	8.11	8.11	8.39	8.14	pH	0.01	A-T-031a
Sulphate (water sol 2:1) _D ^{M#}	0.05	0.06	0.08	0.03	0.04	0.04	0.06	g/l	0.01	A-T-026a
Sulphate (acid soluble) _D ^{M#}	320	260	430	220	210	240	230	mg/kg	200	A-T-028a
Arsenic _D ^{M#}	2	2	4	3	3	3	2	mg/kg	1	A-T-024a
Cadmium _D ^{M#}	1.2	1.8	1.1	1.7	1.7	1.6	2.0	mg/kg	0.5	A-T-024a
Copper _D ^{M#}	12	7	17	9	7	8	7	mg/kg	1	A-T-024a
Chromium _D ^{M#}	29	32	16	30	27	29	33	mg/kg	1	A-T-024a
Chromium (hexavalent) _D	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-040a
Lead _D ^{M#}	11	2	16	7	4	6	<1	mg/kg	1	A-T-024a
Mercury _D	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	mg/kg	0.17	A-T-024a
Nickel _D ^{M#}	23	24	22	24	22	21	25	mg/kg	1	A-T-024a
Selenium _D ^{M#}	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-024a
Zinc _D ^{M#}	46	56	50	52	50	49	58	mg/kg	5	A-T-024a

Envirolab Job Number: 19/11179

Client Project Name: Angmering

Client Project Ref: 305021

Lab Sample ID	19/11179/1	19/11179/2	19/11179/3	19/11179/4	19/11179/5	19/11179/6	19/11179/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	HDP239	HDP239	HDP240	HDP241	HDP242	HDP243	HDP244			
Depth to Top	0.10	0.30	0.10	0.30	0.25	0.20	0.20			
Depth To Bottom	0.20	0.40	0.20	0.40	0.30	0.30	0.30			
Date Sampled	21-Nov-19	21-Nov-19	21-Nov-19	21-Nov-19	21-Nov-19	21-Nov-19	21-Nov-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6AE	5AE	6AE	5AE	5AE	5AE	5AE			
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	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			A-T-045

Envirolab Job Number: 19/11179

Client Project Name: Angmering

Client Project Ref: 305021

Lab Sample ID	19/11179/1	19/11179/2	19/11179/3	19/11179/4	19/11179/5	19/11179/6	19/11179/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	HDP239	HDP239	HDP240	HDP241	HDP242	HDP243	HDP244			
Depth to Top	0.10	0.30	0.10	0.30	0.25	0.20	0.20			
Depth To Bottom	0.20	0.40	0.20	0.40	0.30	0.30	0.30			
Date Sampled	21-Nov-19	21-Nov-19	21-Nov-19	21-Nov-19	21-Nov-19	21-Nov-19	21-Nov-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6AE	5AE	6AE	5AE	5AE	5AE	5AE			
PAH-16MS										
Acenaphthene _A ^{M#}	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Acenaphthylene _A ^{M#}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Anthracene _A ^{M#}	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	0.02	A-T-019s
Benzo(a)anthracene _A ^{M#}	0.11	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Benzo(a)pyrene _A ^{M#}	0.08	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	0.13	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene _A ^{M#}	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	mg/kg	0.07	A-T-019s
Chrysene _A ^{M#}	0.13	<0.06	0.07	<0.06	<0.06	<0.06	<0.06	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Fluoranthene _A ^{M#}	0.29	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	mg/kg	0.08	A-T-019s
Fluorene _A ^{M#}	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	0.08	<0.03	0.05	<0.03	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Naphthalene _A ^{M#}	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene _A ^{M#}	0.19	<0.03	<0.03	<0.03	0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Pyrene _A ^{M#}	0.25	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	mg/kg	0.07	A-T-019s
Total PAH-16MS _A ^{M#}	1.43	<0.08	0.19	<0.08	<0.08	<0.08	<0.08	mg/kg	0.01	A-T-019s

Envirolab Job Number: 19/11179

Client Project Name: Angmering

Client Project Ref: 305021

Lab Sample ID	19/11179/1	19/11179/2	19/11179/3	19/11179/4	19/11179/5	19/11179/6	19/11179/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	HDP239	HDP239	HDP240	HDP241	HDP242	HDP243	HDP244			
Depth to Top	0.10	0.30	0.10	0.30	0.25	0.20	0.20			
Depth To Bottom	0.20	0.40	0.20	0.40	0.30	0.30	0.30			
Date Sampled	21-Nov-19	21-Nov-19	21-Nov-19	21-Nov-19	21-Nov-19	21-Nov-19	21-Nov-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6AE	5AE	6AE	5AE	5AE	5AE	5AE			
TPH CWG										
Ali >C5-C6 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10 _A	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C10-C12 _A ^{M#}	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C12-C16 _A ^{M#}	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C16-C21 _A ^{M#}	7	<1	1	<1	1	<1	<1	mg/kg	1	A-T-055s
Ali >C21-C35 _A	40	<1	7	2	6	<1	<1	mg/kg	1	A-T-055s
Total Aliphatics _A	47	<1	9	2	8	<1	<1	mg/kg	1	A-T-055s
Aro >C5-C7 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10 _A	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C10-C12 _A ^{M#}	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C12-C16 _A	11	<1	<1	2	2	<1	<1	mg/kg	1	A-T-055s
Aro >C16-C21 _A ^{M#}	16	<1	1	2	3	<1	<1	mg/kg	1	A-T-055s
Aro >C21-C35 _A ^{M#}	178	1	32	15	30	4	<1	mg/kg	1	A-T-055s
Total Aromatics _A	203	1	34	20	35	4	<1	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35) _A	250	1	42	23	44	4	<1	mg/kg	1	A-T-055s
BTEX - Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
MTBE _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s

REPORT NOTES

General

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

The results reported herein relate only to the material supplied to the laboratory.

The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.

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.

The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

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.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

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.

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR

Client:	RSK Environment Ltd Southampton, Unit 26 , Basepoint Abbey Enterprise Centre, Premier Way, Romsey,, Hampshire, UK, SO51 9AQ	Project No:	19/11179
Project:	Angmering	Date Received:	25/11/2019 (am)
Clients Project No:	305021	Cool Box Temperatures (°C):	8.9

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 20/00412
Issue Number: 1
Date: 28 January, 2020

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

Project Manager: Josh Laite; All RSK Southampton
Project Name: Angmering
Project Ref: 305021
Order No: N/A
Date Samples Received: 17/01/20
Date Instructions Received: 17/01/20
Date Analysis Completed: 28/01/20

Prepared by:

Approved by:

Melanie Marshall
Laboratory Coordinator

Richard Wong
Client Manager

Envirolab Job Number: 20/00412

Client Project Name: Angmering

Client Project Ref: 305021

Lab Sample ID	20/00412/1	20/00412/2	20/00412/3	20/00412/4				Units	Limit of Detection	Method ref
Client Sample No	1	1	1	1						
Client Sample ID	HDP263	HDP264	HDP265	HDP266						
Depth to Top	0.30	0.30	0.30	0.30						
Depth To Bottom										
Date Sampled	14-Jan-20	14-Jan-20	14-Jan-20	14-Jan-20						
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES						
Sample Matrix Code	6A	6A	6A	6A						
% Stones >10mm _A	10.8	3.3	0.9	15.1				% w/w	0.1	A-T-044
pH _D ^{M#}	8.06	8.11	7.84	8.09				pH	0.01	A-T-031s
Sulphate (water sol 2:1) _D ^{M#}	0.03	<0.01	<0.01	<0.01				g/l	0.01	A-T-026s
Sulphate (acid soluble) _D ^{M#}	<200	<200	<200	<200				mg/kg	200	A-T-028s
Arsenic _D ^{M#}	3	4	3	3				mg/kg	1	A-T-024s
Cadmium _D ^{M#}	0.8	1.0	1.0	0.7				mg/kg	0.5	A-T-024s
Copper _D ^{M#}	9	12	10	15				mg/kg	1	A-T-024s
Chromium _D ^{M#}	25	27	29	21				mg/kg	1	A-T-024s
Chromium (hexavalent) _D	<1	<1	<1	<1				mg/kg	1	A-T-040s
Lead _D ^{M#}	12	13	14	10				mg/kg	1	A-T-024s
Mercury _D	<0.17	<0.17	<0.17	<0.17				mg/kg	0.17	A-T-024s
Nickel _D ^{M#}	21	25	25	18				mg/kg	1	A-T-024s
Selenium _D ^{M#}	<1	<1	<1	<1				mg/kg	1	A-T-024s
Zinc _D ^{M#}	59	62	72	50				mg/kg	5	A-T-024s

Envirolab Job Number: 20/00412

Client Project Name: Angmering

Client Project Ref: 305021

Lab Sample ID	20/00412/1	20/00412/2	20/00412/3	20/00412/4				Units	Limit of Detection	Method ref
Client Sample No	1	1	1	1						
Client Sample ID	HDP263	HDP264	HDP265	HDP266						
Depth to Top	0.30	0.30	0.30	0.30						
Depth To Bottom										
Date Sampled	14-Jan-20	14-Jan-20	14-Jan-20	14-Jan-20						
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES						
Sample Matrix Code	6A	6A	6A	6A						
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD	NAD	NAD						A-T-045
Asbestos ACM - Suitable for Water Absorption Test? _D	N/A	N/A	N/A	N/A						A-T-045

Envirolab Job Number: 20/00412

Client Project Name: Angmering

Client Project Ref: 305021

Lab Sample ID	20/00412/1	20/00412/2	20/00412/3	20/00412/4				Units	Limit of Detection	Method ref
Client Sample No	1	1	1	1						
Client Sample ID	HDP263	HDP264	HDP265	HDP266						
Depth to Top	0.30	0.30	0.30	0.30						
Depth To Bottom										
Date Sampled	14-Jan-20	14-Jan-20	14-Jan-20	14-Jan-20						
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES						
Sample Matrix Code	6A	6A	6A	6A						
PAH-16MS										
Acenaphthene _A ^{M#}	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-019s
Acenaphthylene _A ^{M#}	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-019s
Anthracene _A ^{M#}	<0.02	<0.02	<0.02	<0.02				mg/kg	0.02	A-T-019s
Benzo(a)anthracene _A ^{M#}	<0.04	<0.04	<0.04	<0.04				mg/kg	0.04	A-T-019s
Benzo(a)pyrene _A ^{M#}	<0.04	<0.04	<0.04	<0.04				mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	<0.05	<0.05	<0.05	<0.05				mg/kg	0.05	A-T-019s
Benzo(ghi)perylene _A ^{M#}	<0.05	<0.05	<0.05	<0.05				mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	<0.07	<0.07	<0.07	<0.07				mg/kg	0.07	A-T-019s
Chrysene _A ^{M#}	<0.06	<0.06	<0.06	<0.06				mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	<0.04	<0.04	<0.04	<0.04				mg/kg	0.04	A-T-019s
Fluoranthene _A ^{M#}	<0.08	<0.08	<0.08	<0.08				mg/kg	0.08	A-T-019s
Fluorene _A ^{M#}	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	<0.03	<0.03	<0.03	<0.03				mg/kg	0.03	A-T-019s
Naphthalene _A ^{M#}	<0.03	<0.03	<0.03	<0.03				mg/kg	0.03	A-T-019s
Phenanthrene _A ^{M#}	<0.03	<0.03	<0.03	<0.03				mg/kg	0.03	A-T-019s
Pyrene _A ^{M#}	<0.07	<0.07	<0.07	<0.07				mg/kg	0.07	A-T-019s
Total PAH-16MS _A ^{M#}	<0.08	<0.08	<0.08	<0.08				mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/00412

Client Project Name: Angmering

Client Project Ref: 305021

Lab Sample ID	20/00412/1	20/00412/2	20/00412/3	20/00412/4				Units	Limit of Detection	Method ref
Client Sample No	1	1	1	1						
Client Sample ID	HDP263	HDP264	HDP265	HDP266						
Depth to Top	0.30	0.30	0.30	0.30						
Depth To Bottom										
Date Sampled	14-Jan-20	14-Jan-20	14-Jan-20	14-Jan-20						
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES						
Sample Matrix Code	6A	6A	6A	6A						
TPH CWG										
Ali >C5-C6 _A [#]	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-022s
Ali >C6-C8 _A [#]	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-022s
Ali >C8-C10 _A	<1	<1	<1	<1				mg/kg	1	A-T-055s
Ali >C10-C12 _A ^{M#}	<1	<1	<1	<1				mg/kg	1	A-T-055s
Ali >C12-C16 _A ^{M#}	<1	<1	<1	<1				mg/kg	1	A-T-055s
Ali >C16-C21 _A ^{M#}	<1	<1	<1	<1				mg/kg	1	A-T-055s
Ali >C21-C35 _A	<1	<1	<1	<1				mg/kg	1	A-T-055s
Total Aliphatics _A	<1	<1	<1	<1				mg/kg	1	A-T-055s
Aro >C5-C7 _A [#]	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-022s
Aro >C7-C8 _A [#]	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-022s
Aro >C8-C10 _A	<1	<1	<1	<1				mg/kg	1	A-T-055s
Aro >C10-C12 _A ^{M#}	<1	<1	<1	<1				mg/kg	1	A-T-055s
Aro >C12-C16 _A	<1	<1	<1	<1				mg/kg	1	A-T-055s
Aro >C16-C21 _A ^{M#}	<1	<1	<1	<1				mg/kg	1	A-T-055s
Aro >C21-C35 _A ^{M#}	<1	<1	<1	<1				mg/kg	1	A-T-055s
Total Aromatics _A	<1	<1	<1	<1				mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35) _A	<1	<1	<1	<1				mg/kg	1	A-T-055s
BTEX - Benzene _A [#]	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-022s
BTEX - Toluene _A [#]	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-022s
BTEX - o Xylene _A [#]	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-022s
MTBE _A [#]	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-022s

REPORT NOTES

General

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

The results reported herein relate only to the material supplied to the laboratory.

The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.

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.

The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

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.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

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.

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR

Tel: 0161 888 4884 email: info@envirolab.co.uk

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

Project: Angmering

Clients Project No: 305021

Project No: 20/00412

Date Received: 17/01/2020 (am)

Cool Box Temperatures (°C): 11.4

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 20/00645
Issue Number: 1

Date: 30 January, 2020

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

Project Manager: Emily Chissel, All RSK Southampton
Project Name: Angmering
Project Ref: 305021
Order No: N/A
Date Samples Received: 23/01/20
Date Instructions Received: 23/01/20
Date Analysis Completed: 30/01/20

Prepared by:

Approved by:

Melanie Marshall
Laboratory Coordinator

Iain Haslock
Analytical Consultant

Envirolab Job Number: 20/00645

Client Project Name: Angmering

Client Project Ref: 305021

Lab Sample ID	20/00645/1	20/00645/2						Units	Limit of Detection	Method ref
Client Sample No	1	1								
Client Sample ID	HDP267	HDP268								
Depth to Top	0.30	0.30								
Depth To Bottom										
Date Sampled	21-Jan-20	21-Jan-20								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	5A	5A								
% Stones >10mm _A	16.9	12.5						% w/w	0.1	A-T-044
pH _D ^{M#}	8.15	8.09						pH	0.01	A-T-031s
Sulphate (water sol 2:1) _D ^{M#}	<0.01	0.03						g/l	0.01	A-T-026s
Sulphate (acid soluble) _D ^{M#}	<200	<200						mg/kg	200	A-T-028s
Arsenic _D ^{M#}	4	6						mg/kg	1	A-T-024s
Cadmium _D ^{M#}	0.6	<0.5						mg/kg	0.5	A-T-024s
Copper _D ^{M#}	7	10						mg/kg	1	A-T-024s
Chromium _D ^{M#}	23	29						mg/kg	1	A-T-024s
Chromium (hexavalent) _D	<1	<1						mg/kg	1	A-T-040s
Lead _D ^{M#}	11	11						mg/kg	1	A-T-024s
Mercury _D	<0.17	<0.17						mg/kg	0.17	A-T-024s
Nickel _D ^{M#}	22	24						mg/kg	1	A-T-024s
Selenium _D ^{M#}	<1	2						mg/kg	1	A-T-024s
Zinc _D ^{M#}	48	51						mg/kg	5	A-T-024s

Envirolab Job Number: 20/00645

Client Project Name: Angmering

Client Project Ref: 305021

Lab Sample ID	20/00645/1	20/00645/2						Units	Limit of Detection	Method ref
Client Sample No	1	1								
Client Sample ID	HDP267	HDP268								
Depth to Top	0.30	0.30								
Depth To Bottom										
Date Sampled	21-Jan-20	21-Jan-20								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	5A	5A								
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD								A-T-045
Asbestos ACM - Suitable for Water Absorption Test? _D	N/A	N/A								A-T-045

Envirolab Job Number: 20/00645

Client Project Name: Angmering

Client Project Ref: 305021

Lab Sample ID	20/00645/1	20/00645/2						Units	Limit of Detection	Method ref
Client Sample No	1	1								
Client Sample ID	HDP267	HDP268								
Depth to Top	0.30	0.30								
Depth To Bottom										
Date Sampled	21-Jan-20	21-Jan-20								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	5A	5A								
PAH-16MS										
Acenaphthene _A ^{M#}	<0.01	<0.01						mg/kg	0.01	A-T-019s
Acenaphthylene _A ^{M#}	<0.01	<0.01						mg/kg	0.01	A-T-019s
Anthracene _A ^{M#}	<0.02	<0.02						mg/kg	0.02	A-T-019s
Benzo(a)anthracene _A ^{M#}	<0.04	<0.04						mg/kg	0.04	A-T-019s
Benzo(a)pyrene _A ^{M#}	<0.04	<0.04						mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	<0.05	<0.05						mg/kg	0.05	A-T-019s
Benzo(ghi)perylene _A ^{M#}	<0.05	<0.05						mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	<0.07	<0.07						mg/kg	0.07	A-T-019s
Chrysene _A ^{M#}	<0.06	<0.06						mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	<0.04	<0.04						mg/kg	0.04	A-T-019s
Fluoranthene _A ^{M#}	<0.08	<0.08						mg/kg	0.08	A-T-019s
Fluorene _A ^{M#}	<0.01	<0.01						mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	<0.03	<0.03						mg/kg	0.03	A-T-019s
Naphthalene _A ^{M#}	<0.03	<0.03						mg/kg	0.03	A-T-019s
Phenanthrene _A ^{M#}	<0.03	<0.03						mg/kg	0.03	A-T-019s
Pyrene _A ^{M#}	<0.07	<0.07						mg/kg	0.07	A-T-019s
Total PAH-16MS _A ^{M#}	<0.08	<0.08						mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/00645

Client Project Name: Angmering

Client Project Ref: 305021

Lab Sample ID	20/00645/1	20/00645/2								
Client Sample No	1	1								
Client Sample ID	HDP267	HDP268								
Depth to Top	0.30	0.30								
Depth To Bottom										
Date Sampled	21-Jan-20	21-Jan-20								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	5A	5A								
	Units	Limit of Detection	Method ref							
TPH CWG										
Ali >C5-C6 _A [#]	<0.01	<0.01						mg/kg	0.01	A-T-022s
Ali >C6-C8 _A [#]	<0.01	<0.01						mg/kg	0.01	A-T-022s
Ali >C8-C10 _A	<1	<1						mg/kg	1	A-T-055s
Ali >C10-C12 _A ^{M#}	<1	<1						mg/kg	1	A-T-055s
Ali >C12-C16 _A ^{M#}	<1	<1						mg/kg	1	A-T-055s
Ali >C16-C21 _A ^{M#}	<1	<1						mg/kg	1	A-T-055s
Ali >C21-C35 _A	<1	1						mg/kg	1	A-T-055s
Total Aliphatics _A	<1	1						mg/kg	1	A-T-055s
Aro >C5-C7 _A [#]	<0.01	<0.01						mg/kg	0.01	A-T-022s
Aro >C7-C8 _A [#]	<0.01	<0.01						mg/kg	0.01	A-T-022s
Aro >C8-C10 _A	<1	<1						mg/kg	1	A-T-055s
Aro >C10-C12 _A ^{M#}	<1	<1						mg/kg	1	A-T-055s
Aro >C12-C16 _A	<1	<1						mg/kg	1	A-T-055s
Aro >C16-C21 _A ^{M#}	<1	<1						mg/kg	1	A-T-055s
Aro >C21-C35 _A ^{M#}	<1	3						mg/kg	1	A-T-055s
Total Aromatics _A	<1	3						mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35) _A	<1	5						mg/kg	1	A-T-055s
BTEX - Benzene _A [#]	<0.01	<0.01						mg/kg	0.01	A-T-022s
BTEX - Toluene _A [#]	<0.01	<0.01						mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	<0.01						mg/kg	0.01	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	<0.01						mg/kg	0.01	A-T-022s
BTEX - o Xylene _A [#]	<0.01	<0.01						mg/kg	0.01	A-T-022s
MTBE _A [#]	<0.01	<0.01						mg/kg	0.01	A-T-022s

REPORT NOTES

General

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The results reported herein relate only to the material supplied to the laboratory.

The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.

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.

The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

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.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

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.

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR

T [REDACTED]

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

Project: Angmering

Clients Project No: 305021

Project No: 20/00645

Date Received: 23/01/2020 (am)

Cool Box Temperatures (°C): 9.9

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

APPENDIX F

GENERIC ASSESSMENT CRITERIA

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

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⁾ or by the USEPA⁽¹⁴⁾, 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 v1.071, 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 2.51 model with the Johnson and Ettinger model for soil and groundwater volatilisation. 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 and to outputs from the RBCA model 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), the 2015 LQM/CIEH report⁽⁷⁾ or the USEPA IRIS database⁽¹⁴⁾. 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, the HCV used in the modelling were derived using the toxicological data for the SAC amended as follows:

- A child weighing 13.3kg (average of 0-6 year old female in accordance with Table 4.6 of SR3⁽⁵⁾) and breathing 8.77m³ (average daily inhalation rate for a 0-6yr old female in accordance with SP1010 final project report for the C4SL (Table 3.2⁽³⁾) and USEPA data⁽¹⁴⁾)
- Background inhalation (mean daily intake (MDI)) for a child (Age Classes 1-6)
- Residential amendments to the MDI for younger age groups following Table 3.4 and Section 3.4.1 of SR2⁽⁸⁾; amended to reflect average daily inhalation rates in accordance with SP1010 final project report for the C4SL (Table 3.2⁽³⁾) and USEPA data⁽¹²⁾.

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 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

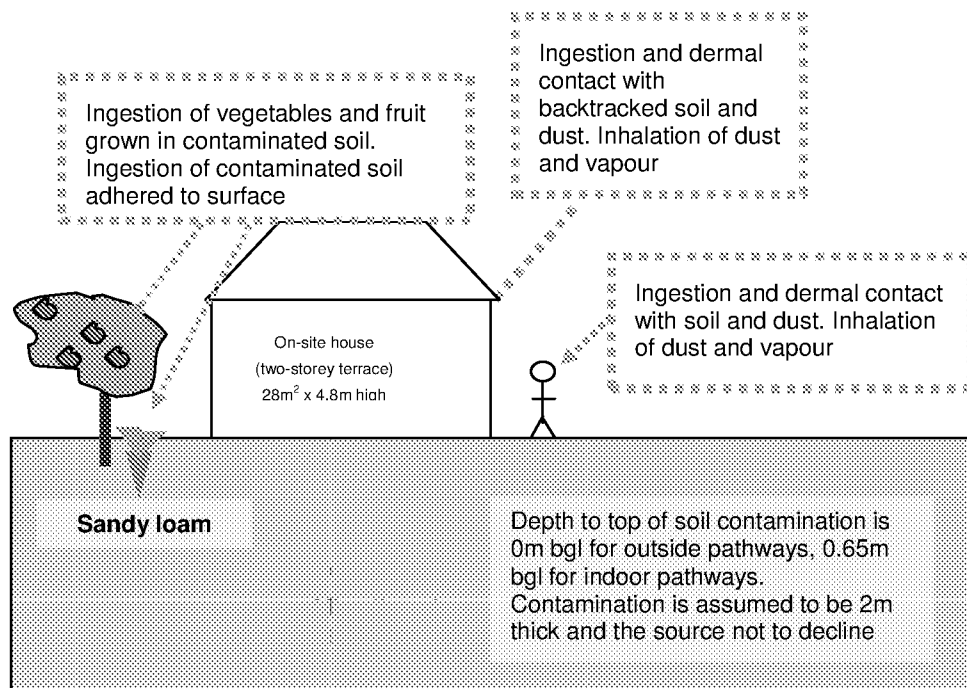


Table 1: Exposure assessment parameters for residential scenario with home-grown produce – inputs for CLEA model

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/f	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

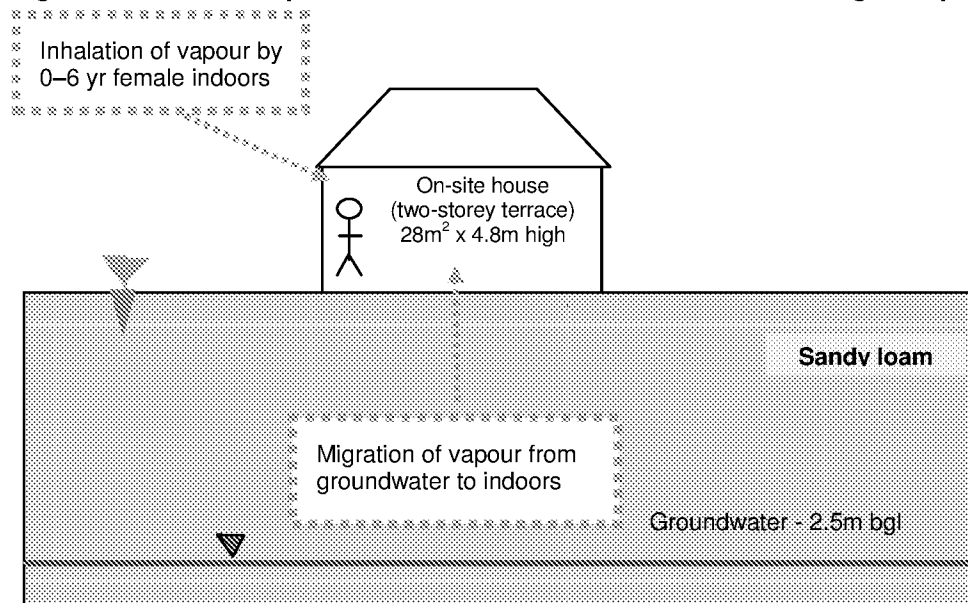


Table 4: Residential with home-grown produce – RBCA inputs

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 or kg/L	1.21	
Vertical hydraulic conductivity	cm s ⁻¹	3.56E-3	CLEA value for saturated conductivity of sandy loam, Table 4.4, SR3 ⁽⁵⁾ equivalent to 307 cm/day
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⁾ Building air exchange rate equivalent to 1.4E-04 s ⁻¹
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⁾ Equivalent to 31 g/cm/s ²

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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 (µg/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	5.26E-02	NR	NR	3.71E-01	5.26E-02	NR	NR	3.71E-01	5.26E-02	NR	NR
Cadmium	(a)	-	2.30E-01	4.89E-02	2.21E-01	NR	2.30E-01	4.89E-02	2.21E-01	NR	2.30E-01	4.89E-02	2.21E-01	NR
Chromium (III) - trivalent	(c)	-	1.84E-04	9.07E-02	NR	NR	1.84E-04	9.07E-02	NR	NR	1.84E-04	9.07E-02	NR	NR
Chromium (VI) - hexavalent	(a,d)	-	5.85E-01	2.09E-01	NR	NR	5.85E-01	2.09E-01	NR	NR	5.85E-01	2.09E-01	NR	NR
Copper	-	-	2.72E-03	1.41E-04	2.47E-03	NR	2.72E-03	1.41E-04	2.47E-03	NR	2.72E-03	1.41E-04	2.47E-03	NR
Lead	(a)	-	2.01E-02	NR	NR	NR	2.01E-02	NR	NR	NR	2.01E-02	NR	NR	NR
Elemental Mercury (Hg ⁰)	(d)	1.29E+01	NR	3.86E-01	NR	4.31E+00	NR	5.60E-01	NR	1.07E+01	NR	1.29E+00	NR	2.58E+01
Inorganic Mercury (Hg ²⁺)	-	-	3.99E-01	5.53E-03	3.91E-01	NR	3.99E-01	5.53E-03	3.91E-01	NR	3.99E-01	5.53E-03	3.91E-01	NR
Methyl Mercury (Hg ⁺)	-	2.22E-04	1.26E-01	1.87E-01	7.92E-00	7.33E+01	1.26E-01	5.62E-01	9.34E-00	1.42E+02	1.26E-01	7.86E-01	1.06E-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)	-	2.96E-02	NR	NR	NR	2.96E-02	NR	NR	NR	2.96E-02	NR	NR	NR
Zinc	(b)	-	3.86E-03	5.63E-07	NR	NR	3.86E-03	5.63E-07	NR	NR	3.86E-03	5.63E-07	NR	NR
Cyanide (free)	-	-	1.37E-00	1.87E-04	1.37E-00	NR	1.37E-00	1.87E-04	1.37E-00	NR	1.37E-00	1.87E-04	1.37E-00	NR
Volatile Organic Compounds														
Benzene	(a)	2.50E+04	2.62E-01	9.04E-01	2.89E-01	1.22E+03	5.98E-01	1.68E+00	4.98E+01	2.26E+03	1.16E+00	3.49E+00	2.73E-01	4.71E+03
Toluene	-	5.90E+05	1.33E-02	9.06E-02	1.31E-02	8.89E-02	5.43E-03	2.00E-03	2.37E-02	1.92E+03	7.36E-02	4.55E-03	6.77E-02	4.36E+03
Ethylbenzene	-	1.25E+05	1.10E-02	8.54E-01	4.74E-01	5.18E-02	2.61E-02	1.96E-02	1.18E-02	1.22E+03	6.00E-02	4.59E-02	2.80E-02	2.84E+03
Xylene - m	-	1.16E+05	2.10E-02	6.25E-01	5.82E-01	6.25E+02	5.01E-02	1.95E+02	1.40E+02	1.47E+03	1.19E+03	4.59E+02	3.27E+02	3.46E+03
Xylene - o	-	1.41E+05	1.32E-02	8.87E-01	6.07E-01	4.78E-02	4.95E-02	2.96E-02	1.43E-02	1.12E+03	1.05E-03	4.86E-02	2.58E-02	2.62E+03
Xylene - p	-	1.21E+05	1.56E-02	7.83E-01	5.86E-01	5.76E-02	4.70E-02	1.89E-02	1.33E-02	1.35E+03	1.08E-03	4.39E-02	2.10E-02	3.17E+03
Total xylene	-	1.16E+05	1.88E-02	7.83E-01	5.86E-01	6.25E+02	4.58E-02	1.69E+02	1.43E+02	1.47E+03	1.05E+03	4.39E+02	2.10E+02	3.46E+03
Methyl tertiary Butyl ether (MTBE)	-	9.32E+08	1.54E-02	1.04E-03	1.24E-02	2.04E+04	2.87E-02	1.89E-03	2.38E-02	3.31E+04	6.03E-02	3.21E-03	3.69E-02	6.27E+04
Trichloroethene	-	6.44E+01	2.83E-01	1.72E-02	1.82E-02	1.54E+03	6.29E-01	3.53E-02	3.40E-02	3.22E+03	1.41E+00	7.89E-02	7.53E-02	7.14E+03
Tetrachloroethene	-	4.08E-02	4.49E-00	1.79E-01	1.75E-01	4.24E+02	1.04E-01	4.03E-01	3.34E-01	9.51E+02	2.26E-01	3.21E-01	3.94E-01	2.18E+03
1,1,1-Trichloroethene	-	3.59E+04	3.29E-03	9.03E-00	8.77E-00	1.43E+03	7.28E-02	1.84E-01	1.80E-01	2.92E+03	1.88E-03	4.04E-01	3.34E-01	6.39E+03
1,1,1,2-Tetrachloroethane	-	2.84E+03	3.89E-00	1.54E-00	1.20E-00	2.60E+03	1.27E-01	2.59E-00	2.75E-00	6.02E+03	3.32E-01	5.29E-00	6.40E-00	1.40E+04
1,1,2,2-Tetrachloroethane	-	1.85E+04	2.81E-00	3.82E-00	1.94E-00	2.87E+03	5.10E-00	2.94E-00	3.47E-00	5.46E+03	1.36E-01	1.76E-01	1.57E-00	1.20E+04
Carbon Tetrachloride	-	6.10E+01	3.19E-00	2.59E-00	2.57E-02	1.52E+03	7.11E-00	2.69E-02	5.82E-02	3.32E+03	1.62E-01	1.22E-01	1.27E-01	7.54E+03
1,2-Dichloroethane	-	9.70E+01	3.17E-02	6.20E-03	7.13E-03	3.41E+03	5.73E-02	1.83E-02	1.06E-02	4.91E+03	1.08E-01	2.29E-02	1.68E-02	8.43E+03
Vinyl Chloride	-	6.20E+00	3.82E-05	7.73E-04	6.48E-04	1.36E+03	3.83E-03	1.80E-03	6.79E-04	1.76E+03	1.25E-02	1.35E-03	1.36E-03	2.69E+03
1,2,4-Trimethylbenzene	-	5.10E+03	NR	1.78E+00	NR	4.74E+02	NR	4.28E+00	NR	1.16E+03	NR	3.72E+00	NR	2.76E+03
1,3,5-Trimethylbenzene	(e)	-	NR	NR	NR	2.30E+02	NR	NR	NR	5.52E+02	NR	NR	NR	1.30E+03
Semi-Volatile Organic Compounds														
Acenaphthene	-	4.11E+03	2.27E-02	4.86E-04	2.86E-02	5.70E+01	5.41E-02	1.18E-05	5.38E-02	1.41E+02	1.18E-03	2.86E-05	1.17E-03	3.36E+02
Acenaphthylene	-	7.95E+03	1.95E-02	4.59E-04	1.84E-02	8.61E+01	4.48E-02	1.11E-05	4.40E-02	2.12E+02	9.78E-02	2.53E-05	9.74E-02	5.06E+02
Anthracene	-	-	2.43E-03	1.59E-05	2.39E-03	1.17E+00	5.59E-03	3.77E-05	5.45E-03	2.91E+00	1.10E-04	8.79E-05	1.09E-04	6.96E+00
Benz(a)anthracene	-	-	1.01E-01	2.47E-01	7.18E+00	1.71E+00	1.42E-01	4.27E+01	1.07E-01	4.28E+00	1.69E-01	5.26E-01	1.33E-01	1.03E+01
Benz(b)fluoranthene	-	-	2.96E+00	1.93E-01	2.56E+00	1.22E+00	5.89E+00	2.13E-01	3.29E+00	3.04E+00	4.43E+00	2.22E+01	3.89E+00	7.29E+00
Benz(g,h,i)perylene	-	-	3.77E-02	1.87E-02	3.14E-02	1.54E-02	4.09E-02	1.94E-03	3.86E-02	3.85E-02	4.23E-02	1.97E-03	3.48E-02	9.23E-02
Benz(k)fluoranthene	-	-	8.92E-01	5.41E-02	7.86E-01	6.87E-01	1.10E-02	5.79E+02	9.22E-01	1.72E+00	1.21E+02	5.91E-02	1.00E+02	4.12E+00
Chrysene	-	-	1.86E-01	1.19E-02	1.46E-01	4.40E-01	2.54E-01	1.49E-02	2.17E-01	1.10E+00	3.12E-01	1.60E-02	2.67E-01	2.64E+00
Dibenz(a,h)anthracene	-	-	2.90E-01	1.45E-00	2.41E-01	3.93E-03	3.42E-01	1.64E+00	2.64E-01	9.82E-03	3.89E-01	1.74E+00	3.04E-01	2.36E-02
Fluoranthene	-	-	2.67E-02	3.83E-04	2.25E+02	1.89E+01	5.83E-02	8.37E+04	5.80E-02	4.73E+01	9.00E-02	1.83E+05	8.96E-02	1.13E+02
Fluorene	-	-	1.77E-02	6.20E-03	1.72E-02	3.09E+01	4.18E-02	1.53E-04	4.07E-02	7.65E+01	6.88E-02	3.82E-04	8.77E-02	1.83E+02
Indeno(1,2,3-cd)pyrene	-	-	3.09E-01	2.12E-02	2.70E-01	6.13E-02	4.22E-01	2.38E-02	3.59E-01	1.53E+01	4.93E-01	2.50E-02	4.11E-01	3.68E-01
Phenanthrene	-	-	9.85E-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	-	-	6.25E+02	6.79E-04	6.80E-02	2.20E+00	1.25E-03	2.04E-05	1.24E-03	5.49E+00	2.05E-03	4.23E-05	2.04E-05	1.32E+01
Benz(a)pyrene	(a)	-	4.96E-00	3.91E-01	NR	9.11E-01	4.96E-00	3.77E-01	NR	2.28E+00	4.96E-00	3.89E-01	NR	5.46E+00
Naphthalene	-	1.90E+04	3.79E-01	2.29E-01	1.27E-01	7.64E+01	5.68E-01	2.68E-01	3.04E-01	1.83E+02	1.53E-02	1.31E-02	7.06E-02	4.32E+02
Phenol	-	-	1.86E-02	4.58E-02	1.29E-02	2.42E+04	2.89E-02	6.96E-02	2.89E-02	3.81E+04	5.89E-02	1.19E-02	5.32E-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 (µg/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 ₉		2.05E+04	4.99E+03	4.24E+01	4.28E+01	3.04E+02	1.13E+04	7.79E+01	7.78E+01	5.58E+02	2.50E+04	1.81E+02	1.80E+02	1.15E+03
Aliphatic hydrocarbons >EC ₁₀ -EC ₈		5.37E+03	1.49E+04	1.04E+02	1.03E+02	1.44E+02	3.43E+04	2.31E+02	2.31E+02	3.22E+02	7.11E+04	5.29E+02	5.29E+02	7.36E+02
Aliphatic hydrocarbons >EC ₉ -EC ₁₀		4.27E+02	1.61E+03	2.69E+01	2.67E+01	7.77E+01	2.91E+03	6.59E+01	6.51E+01	1.90E+02	4.26E+03	1.59E+02	1.54E+02	4.51E+02
Aliphatic hydrocarbons >EC ₁₀ -EC ₁₂		3.39E+01	4.57E+03	1.33E+02	1.32E+02	4.75E+01	5.51E+03	3.31E+02	3.26E+02	1.18E+02	5.98E+03	7.93E+02	7.65E+02	2.83E+02
Aliphatic hydrocarbons >EC ₁₀ -EC ₁₀		7.59E+01	6.27E+03	1.11E+03	1.06E+03	2.37E+01	6.34E+03	2.78E+03	2.41E+03	5.91E+01	6.36E+03	6.67E+03	4.34E+03	1.42E+02
Aliphatic hydrocarbons >EC ₁₆ -EC ₃₅	(b)	-	6.46E+04	NR	NR	8.48E+00	9.17E+04	NR	NR	2.12E+01	1.10E+05	NR	NR	5.09E+01
Aliphatic hydrocarbons >EC ₃₅ -EC ₄₄	(b)	-	6.46E+04	NR	NR	8.48E+00	9.17E+04	NR	NR	2.12E+01	1.10E+05	NR	NR	5.09E+01
Aromatic hydrocarbons >EC ₁₆ -EC ₉ (styrene)		2.90E+05	1.09E+01	5.25E+02	1.89E+01	6.26E+02	2.93E+01	1.36E+03	2.49E+01	1.44E+03	5.61E+01	2.79E+03	5.69E+01	3.35E+03
Aromatic hydrocarbons >EC ₁₆ -EC ₁₅		2.60E+04	5.76E+01	4.74E+01	5.45E+01	6.13E+02	1.39E+02	1.19E+02	8.36E+01	1.50E+03	3.07E+02	2.77E+02	1.94E+02	3.58E+02
Aromatic hydrocarbons >EC ₁₅ -EC ₁₂		2.45E+04	8.89E+01	2.58E+06	7.52E+01	3.64E+02	1.98E+06	6.49E+02	1.79E+02	8.99E+02	4.25E+02	1.68E+03	3.81E+02	2.15E+03
Aromatic hydrocarbons >EC ₁₂ -EC ₁₃		5.75E+03	1.47E+02	2.85E+03	1.45E+02	1.69E+02	3.96E+02	7.07E+03	3.96E+02	4.19E+02	6.81E+02	1.66E+04	6.74E+02	1.00E+03
Aromatic hydrocarbons >EC ₁₂ -EC ₂₁	(b)	-	2.69E+02	NR	NR	5.37E+01	5.45E+02	NR	NR	1.34E+02	6.34E+02	NR	NR	3.21E+02
Aromatic hydrocarbons >EC ₂₁ -EC ₂₂	(b)	-	1.09E+03	NR	NR	4.83E+00	1.47E+02	NR	NR	1.21E+01	1.70E+03	NR	NR	2.90E+01
Aromatic hydrocarbons >EC ₂₂ -EC ₄₄	(b)	-	1.09E+03	NR	NR	4.83E+00	1.47E+03	NR	NR	1.21E+01	1.70E+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 effect 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 effect 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, PAHs naphthalene, acenaphthene and acenaphthylene, 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, benzerie, 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 (µg/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	-	22	22	22
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)	12.90	0.2	0.6	1.2
Inorganic Mercury (Hg ²⁺)	-	39	39	39
Methyl Mercury (Hg ⁴⁺)	22180	10	10	10
Nickel	-	130	130	130
Selenium	-	258	258	258
Zinc	-	3,900	3,900	3,900
Cyanide (free)	-	1.4	1.4	1.4
Volatile Organic Compounds				
Benzene	23000	0.20	0.41	0.87
Toluene	590000	130	300	680
Ethylbenzene	124600	50	110	260
Xylene - m	115900	59	140	327
Xylene - o	141400	61	143	332
Xylene - p	121100	57	133	310
Total xylene	115900	57	133	310
Methyl tertiary-Butyl ether (MTBE)	9320000	130	250	510
Trichloroethene	64	0.02	0.03	0.08
Tetrachloroethene	408	0.2	0.4	0.9
1,1,1-Trichloroethane	35900	9	18	39
1,1,1,2-Tetrachloroethane	2800	1.2	2.8	6.5
1,1,2,2-Tetrachloroethane	18500	1.6	3.5	7.7
Carbon Tetrachloride	61	0.026	0.056	0.127
1,2-Dichloroethane	97	0.007	0.011	0.019
Vinyl Chloride	6	0.0006	0.0009	0.0014
1,2,4-Trimethylbenzene	5095	1.8	4.3	9.7
1,3,5-Trimethylbenzene	-	NR	NR	NR
Semi-Volatile Organic Compounds				
Acenaphthene	4110	230	540	1,170
Acenaphthylene	7950	180	440	970
Anthracene	-	2,400	5,500	10,900
Benzo(a)anthracene	-	7	11	13
Benzo(b)fluoranthene	-	2.6	3.3	3.7
Benzo(g,h,i)perylene	-	310	340	350
Benzo(k)fluoranthene	-	77	92	100
Chrysene	-	15	22	27
Dibenzo(a,h)anthracene	-	0.24	0.28	0.30
Fluoranthene	-	290	560	900
Fluorene	-	170	410	880
Indeno(1,2,3-cd)pyrene	-	27	36	41
Phenanthrene	-	100	220	440
Pyrene	-	620	1,240	2,040
Benzo(a)pyrene	-	5	5	5
Naphthalene	19000	13	30	71
Phenol	-	120	210	390
Total Petroleum Hydrocarbons				
Aliphatic hydrocarbons EC ₅ -EC ₈	20000	42	78	160
Aliphatic hydrocarbons >EC ₈ -EC ₈	5370	100	230	530
Aliphatic hydrocarbons >EC ₈ -EC ₁₀	427	27	65	154
Aliphatic hydrocarbons >EC ₁₀ -EC ₁₂	33.9	130 (48)	330 (118)	760 (283)
Aliphatic hydrocarbons >EC ₁₂ -EC ₁₆	0.759	1,100 (24)	2,400 (59)	4,300 (142)
Aliphatic hydrocarbons >EC ₁₆ -EC ₃₅	-	65,000 (8)	92,000 (21)	110,000
Aliphatic hydrocarbons >EC ₃₅ -EC ₄₄	-	65,000 (8)	92,000 (21)	110,000
Aromatic hydrocarbons >EC ₈ -EC ₉ (styrene)	290000	11	25	57
Aromatic hydrocarbons >EC ₉ -EC ₁₀	20000	30	80	190
Aromatic hydrocarbons >EC ₁₀ -EC ₁₂	24500	80	180	390
Aromatic hydrocarbons >EC ₁₂ -EC ₁₆	5750	140	330	670
Aromatic hydrocarbons >EC ₁₆ -EC ₂₁	-	260	540	930
Aromatic hydrocarbons >EC ₂₁ -EC ₃₅	-	1,100	1,500	1,700
Aromatic hydrocarbons >EC ₃₅ -EC ₄₄	-	1,100	1,500	1,700
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 and GrAC for TPH fractions, PAHs naphthalene, acenaphthene and acenaphthylene, 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.

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.

GENERIC ASSESSMENT CRITERIA FOR PHYTOTOXIC EFFECTS

Several compounds can inhibit plant growth; hence it is important to have generic assessment criteria (GAC) to promote healthy plant growth. In the absence of other published GAC, the GAC have been obtained from legislation (UK and European) and guidance related to the use of sewage sludge on agricultural fields.

The Council of European Communities Sewage Sludge Directive (86/278/EEC) dated 1986, has been transposed into UK law by Statutory Instrument No. 1263, The Sludge (use in Agriculture) Regulations 1989 (Public Health England, Wales and Scotland), as ammended in 1990 and The Sludge (use in Agriculture) Regulations (Northern Ireland) SR No, 245, 1990. In addition the Department of Environment (DoE) produced a Code of Practice (CoP) (Updated 2nd Edition) in 2006 which provided guidance on the application of sewage sludge on agricultural land (however the status of this document is unclear as it is on the archive section of the Defra website).

The directive seeks to encourage the use of sewage sludge in agriculture and to regulate its use in such a way as to “**prevent harmful effects on soil, vegetation, animals and man**”. To this end, it prohibits the use of untreated sludge on agricultural land unless it is injected or incorporated into the soil. Treated sludge is defined as having undergone "biological, chemical or heat treatment, long-term storage or any other appropriate process so as significantly to reduce its fermentability and the health hazards resulting from its use". To provide protection against potential health risks from residual pathogens, sludge must not be applied to soil in which fruit and vegetable crops are growing, or less than ten months before fruit and vegetable crops are to be harvested. Grazing animals must not be allowed access to grassland or forage land less than three weeks after the application of sludge.

The specified limits of concentrations of selected elements in soil are presented in Table 4 of the updated 2nd Edition of the DoE Code of Practice and are designed to protect plant growth. It is noted that these values are more stringent than the values set in current UK regulations. However since they were ammended following recommendations from the Independent Scientific Committee in 1993. (MAFF/DOE 1993). The GAC are presented in Table 1.

Table 1: Generic assessment criteria

Determinant	Generic assessment criteria (mg/kg)			
	pH 5.0 < 5.5	pH 5.5 < 6.0	pH 6.0 < 7.0	pH >7.0
Zinc	200	200	200	300
Copper	80	100	135	200
Nickel	50	60	75	110
Lead	300	300	300	300
Cadmium	3	3	3	3
Mercury	1	1	1	1
Note: Only compounds with assessment criteria documented within the Directive 86/278/EEC have been included, although criteria for 5 additional compounds have been presented within the 2006 CoP.				