May Gurney Limited
Geotechnical - Site Investigation
Ayton Road, Wymondham, NR18 0RH
Tel: 01953 609856 Fax: 01953 609819
Web: www.maygurney.co.uk

Window Sample Record

WSD03
Sheet 1 of 1

Project: Bicester

Project ID: SI1622

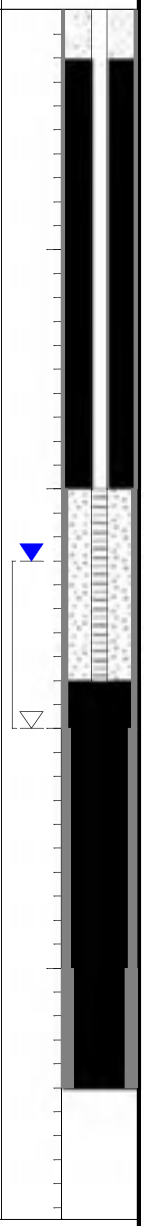
Contractors ID:

Client: Entec UK Limited

Engineer: Ed Gilligan

Ground Level: 71.347mAOD
Coordinates: 459477.67E
220352.97N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND: Grass over brown slightly sandy clayey gravel with whole brick and occasional concrete. Possible asbestos.				CS01	0.10-0.20		0.00	
		0.40	70.95					
Soft to firm grey-green slightly gravelly CLAY. Gravel is angular to subangular medium to coarse flint. Possible reworked natural.				CS02	0.50-0.60		0.00	
		0.60	70.75					
Firm dark brown slightly silty CLAY - Fissile and laminated.				CS03	1.00-1.10		0.00	
				C1	1.20-2.00			
		1.50	69.85					
Firm dark brown CLAY with shell fragments.								
...At 2.00mbgl abundant mica crystals.				C2	2.00-3.00			
		2.50	68.85					
Yellow-brown clayey coarse SAND. Significant water ingress.								
		2.70	68.65					
Firm dark brown CLAY with shell fragments.				C3	3.00-4.00			
				C4	4.00-4.50			
		5.00	66.35					
Window Sample Complete at 5.00 m								



Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76 66	2.00 3.00 4.00 4.50		14/07/10	3.00	20	2.30	-	

Client: Entec UK Limited
Engineer: Ed Gilligan
Date: 14/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: EG
Checked By: P. Lewin

Remarks:
1. Starter pit dug from GL to 1.20mbgl.
2. Water level standing at 2.30mbgl upon completion.
3. Installation details: 32mm HDPE Standpipe installed from GL to 2.80mbgl. Plain pipe form GL to 2.00mbgl and a slotted pipe from 2.00m to 2.80mbgl. Hole backfilled with concrete from GL to 0.20mbgl, bentonite from 0.20m to 2.00mbgl, gravel from 2.00m to 2.80mbgl and bentonite from 2.80m to 5.00mbgl. Hole finished with a flush cover and gas tap.

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Window Sample Record

WSD04
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: Ed Gilligan

Ground Level: 71.533mAOD
Coordinates: 459473.19E
220357.64N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND: Brown slightly gravelly slightly sandy clay topsoil. Gravel is subangular to subrounded fine to coarse flint. Abundant rootlets and rare plastic.		0.10	71.43	CS01	0.00-0.10		0.00	
Brown and orange firm CLAY with very rare firm gravel of flint and rare rootlets.				CS02	0.50-0.60		0.00	
Firm dark brown slightly sandy slightly gravelly CLAY. Gravel is rare subangular to subrounded fine to medium flint.		0.65	70.88					
...At 1.00mbgl black organic layering between laminae. 1mm shell fragments.				C1	1.20-2.00			
				C2	2.00-3.00			
Firm to stiff dark brown-grey CLAY with shell fragments.		2.30	69.23					
...At 3.00mbgl becoming dark grey.				C3	3.00-4.00			
Window Sample Complete at 4.00 m		4.00	67.53					

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76	2.00 3.00 4.00			No Groundwater Encountered				

Client: Entec UK Limited
Engineer: Ed Gilligan
Date: 14/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: EG
Checked By: P. Lewin

Remarks: 1. Starter pit dug from GL to 1.20mbgl.
2. Hole backfilled with arisings.

Print Date: 21/09/2010

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Window Sample Record

WSD05
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: Ed Gilligan

Ground Level: 71.393mAOD
Coordinates: 459482.05E
220360.33N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND: Brown slightly sandy clayey gravel with fragments of plastic, brick, suspected asbestos tile and concrete. Gravel is rounded to subrounded fine to coarse flint. Iron staining in clays. Abundant roots.				CS01	0.20-0.30		0.00	
		0.40	70.99					
MADE GROUND: Soft to firm grey-green slightly gravelly clay. Gravel is angular to subangular medium to coarse flint. Rare fragments of fine concrete - appears to be reworked natural. ...At 0.60mbgl strong organic odour and black pockets of organic matter. ...From 0.60m to 0.80mbgl slight hydrocarbon odour.				CS02	0.60-0.70		8.30	
		1.00	70.39					
				CS03	1.10-1.20		0.00	
Firm dark brown laminated CLAY with black organic material interbedded. Clay is fissile.				C1	1.20-2.00			
				C2	2.00-2.30			
		2.20	69.19					
Yellow-brown fine to coarse clayey SAND. Slight seepage.		2.30	69.09					
		2.32	69.07					
Firm dark brown cemented and sandy CLAY / POSSIBLE MUDSTONE.								
Window Sample Complete at 2.32 m								

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86	2.00 2.30			No Groundwater Encountered				

Client: Entec UK Limited
Engineer: Ed Gilligan
Date: 14/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: EG
Checked By: P. Lewin

Remarks:
1. Starter pit dug from GL to 1.20mbgl.
2. Installation details: 32mm HDPE Standpipe installed from GL to 1.00mbgl. Plain pipe from GL to 0.50mbgl and a slotted pipe from 0.50m to 1.00mbgl. Hole backfilled with concrete from GL to 0.20mbgl, bentonite from 0.20m to 0.50mbgl, gravel from 0.50m to 1.00mbgl and bentonite from 1.00m to 2.30mbgl. Hole finished with a flush cover and gas tap.

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Window Sample Record

WSD06
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: Ed Gilligan

Ground Level: 71.059mAOD
Coordinates: 459438.42E
220276.97N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND: Brown gravelly slightly sandy gravelly clay / silt with rare fragments of brick and rootlets. Gravel is subangular to subrounded fine to coarse flint.				CS01	0.30-0.40		0.00	
		0.40	70.66					
Firm dark brown slightly gravelly slightly sandy CLAY. Gravel is subrounded fine to medium flint.				C1	1.20-2.00			
		1.50	69.56					
Firm to stiff grey-brown CLAY with shell fragments.				CS02 C2	2.00-2.10 2.00-3.00		0.00	
		2.50	68.56					
Yellow-brown very clayey SAND - Damp but no water strike. ...At 2.80mbgl 0.05m band of possible coal (light glassy black textured material).				C3	3.00-4.00			
		4.00	67.06					
Window Sample Complete at 4.00 m								

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76	2.00 3.00 4.00			No Groundwater Encountered				

Client: Entec UK Limited
Engineer: Ed Gilligan
Date: 14/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: EG
Checked By: P. Lewin

Remarks: 1. Starter pit dug from GL to 1.20mbgl.
2. Hole backfilled with arisings.

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Window Sample Record

WSD07
Sheet 1 of 1

Project: Bicester

Project ID: SI1622

Contractors ID:

Client: Entec UK Limited

Engineer: Ed Gilligan

Ground Level: 70.755mAOD
Coordinates: 459520.96E
220210.32N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results PID (ppm)	Installations
MADE GROUND: Brown slighty sandy slightly gravelly silt / clay with rare fragments of concrte. Abundant roots. Gravel is subangular to subrounded fine to coarse flint.		0.15	70.61				
Brown and orange-brown soft to firm slightly gravelly CLAY. gravel is subrounded fine to medium flint.				CS01	0.50-0.60	0.00	
				C1	1.20-2.00		
...From 1.40mbgl becoming sandy with rare white subangular fine flint gravels.		1.50	69.26	CS02	1.60-1.70	0.00	
Soft light grey and orange-brown mottled CLAY with white soft gypsum crystals and possible calcite.				C2	2.00-3.00		
...At 2.00mbgl becoming soft to firm.		2.10	68.66				
Firm dark grey-brown slightly silty CLAY with very rare red fine gravels and gypsum crystals.				C3	3.00-4.00		
Firm to stiff dark grey SILT / CLAY.		3.50	67.26	C4	4.00-5.00		
Window Sample Complete at 5.00 m		5.00	65.76				

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76 66	2.00 3.00 4.00 5.00		14/07/10	3.00	20	1.20	-	

Client: Entec UK Limited
Engineer: Ed Gilligan
Date: 14/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: EG
Checked By: P. Lewin

Remarks:
1. Starter pit dug from GL to 1.20mbgl.
2. Installation details: 32mm HDPE Standpipe installed from GL to 2.50mbgl. Plain pipe form GL to 1.50mbgl and a slotted pipe from 1.50m to 2.50mbgl. Hole backfilled with concrete from GL to 0.20mbgl, bentonite from 0.20m to 1.50mbgl, gravel from 1.50m to 2.50mbgl and bentonite from 2.50m to 5.00mbgl. Hole finished with a flush cover and gas tap.

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Window Sample Record

WSD08
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: Ed Gilligan

Ground Level: 71.289mAOD
Coordinates: 459577.44E
220285.41N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results PID (ppm)	Installations
MADE GROUND: Brown slightly gravelly slightly sandy silt / clay with abundant rootlets. Gravel is angular to subrounded fine to coarse quartz, tarmac, concrete and rare metal.		0.10	71.19	CS01	0.00-0.10	0.00	
Soft grey-orange-brown mottled CLAY. Damp throughout.				CS02	1.00-1.10	0.00	
				C1	1.20-2.00		
				C2	2.00-3.00		
Firm fissile dark brown-grey slightly gravelly CLAY with abundant gypsum crystals. Gravel is very rare subrounded fine flints. ...At 2.10mbgl wet.		2.10	69.19				
Firm grey CLAY with shell fragments.		3.00	68.29	C3	3.00-4.00		
Window Sample Complete at 4.00 m		4.00	67.29				

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
				No Groundwater Encountered				

Client: Entec UK Limited
Engineer: Ed Gilligan
Date: 14/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: EG
Checked By: P. Lewin

Remarks: 1. Starter pit dug from GL to 1.20mbgl.
2. Hole backfilled with arisings.

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Window Sample Record

WSD09
Sheet 1 of 1

Project: Bicester

Project ID: SI1622

Contractors ID:

Client: Entec UK Limited

Engineer: James Ridehalgh

Ground Level: 73.168mAOD
Coordinates: 459549.01E
220475.38N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND: Stiff brown sandy gravelly clay. Gravel is angular to subangular medium to coarse consisting of brick, chert, chalk, coal and ash.				CS01	0.30-0.50		0.00	
Dark brown firm slightly sandy CLAY with fine chalk gravel.		0.50	72.67					
				C1	1.20-2.00			
				C2	2.00-3.00			
				C3	3.00-4.00			
...From 3.80m to 4.50mbgl sand bands - slight seepage.				CS02	3.80-4.00		0.00	
				C4	4.00-5.00			
...From 4.50mbgl becoming grey.								
Window Sample Complete at 5.00 m		5.00	68.17					

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76 66	2.00 3.00 4.00 5.00		15/07/10	4.50	-	-	-	

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 15/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks:
1. Starter pit dug from GL to 1.20mbgl.
2. Installation details: 32mm HDPE Standpipe installed from GL to 5.00mbgl. Plain pipe from GL to 3.00mbgl and a slotted pipe from 3.00m to 5.00mbgl. Hole backfilled with concrete from GL to 0.20mbgl, bentonite from 0.20m to 3.00mbgl and gravel from 3.00m to 5.00mbgl. Hole finished with a flush cover and gas tap.

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Window Sample Record

WSD10
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 71.728mAOD
Coordinates: 459621.64E
220526.26N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND: Firm brown slightly sandy gravelly clay. Gravel is subangular to subrounded fine to coarse consisting of ceramic, brick, glass, ash and chert.				CS01	0.20-0.40		0.00	
		0.45	71.28					
Soft light brown-grey mottled CLAY with highly weathered chalk bands.								
		1.00	70.73					
Firm grey CLAY with highly weathered chalk fragments.				C1	1.20-2.00			
		1.55	70.18					
Brown-orange SAND bands - Slight organic odour.				CS02	1.60-1.90		0.00	
		2.00	69.73	C2	2.00-3.00			
Firm grey-brown laminated CLAY with fine gypsum fragments.								
				C3	3.00-4.00			
		4.00	67.73					
Window Sample Complete at 4.00 m								

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76	2.00 3.00 4.00		No Groundwater Encountered					

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 15/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks:
1. Starter pit dug from GL to 1.20mbgl.
2. Installation details: 32mm HDPE Standpipe installed from GL to 2.00mbgl. Plain pipe from GL to 1.00mbgl and a slotted pipe from 1.00m to 2.00mbgl. Hole backfilled with concrete from GL to 0.20mbgl, bentonite from 0.20m to 1.00mbgl, gravel from 1.00m to 2.00mbgl and bentonite from 2.00m to 4.00mbgl. Hole finished with a flush cover and gas tap.

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Window Sample Record

WSD11
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 71.857mAOD
Coordinates: 459624.03E
220604.49N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND: Light brown sandy gravelly clay. Gravel is angular to subangular fine to coarse consisting of brick, concrete, chert, flint and chalk.				CS01	0.30-0.40		0.00	
		0.40	71.46					
Firm brown and orange-grey mottled sandy slightly gravelly CLAY. Gravel is angular fine to medium consisting of coal and chalk.				C1	1.20-2.00			
				C2	2.00-3.00			
		2.40	69.46					
Firm brown laminated CLAY with sand bands - Slight seepage in sands.				CS02 C3	2.90-3.10 3.00-4.00		0.00	
		3.10	68.76					
Firm brown laminated CLAY with white chalk mottling.								
		4.00	67.86					
Window Sample Complete at 4.00 m								

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76	2.00 3.00 4.00			No Groundwater Encountered				

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 15/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks: 1. Starter pit dug from GL to 1.20mbgl.
2. Hole backfilled with arisings.

Print Date: 22/09/2010

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Window Sample Record

WSD12
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 72.079mAOD
Coordinates: 459589.44E
220614.83N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND: Grey-brown sand and brown sand and gravel of brick, concrete, stone, coal and occasional wood and roots. Slightly ashy.				CS02	0.30-0.60		0.00	
Firm yellow-grey-brown CLAY with occasional fine gravel.		0.60	71.48					
				C1	1.20-2.00			
...From 1.50mbgl white chalk mottling.				CS02	1.50-1.70		0.00	
Dark brown firm CLAY with occasional laminations of gypsum crystals.		2.00	70.08	C2	2.00-3.00			
				C3	3.00-4.00			
Wet yellow-brown slightly clayey coarse SAND.		3.25	68.83	CS03	3.25-3.40		0.00	
Soft to firm dark brown CLAY with abundant gypsum crystals.		3.40	68.68					
Firm to stiff grey-brown CLAY.		3.85	68.23					
Window Sample Complete at 4.00 m		4.00	68.08					

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76	2.00 3.00 4.00		15/07/10	4.00	20	3.50	-	

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 15/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks:
1. Starter pit dug from GL to 1.20mbgl.
2. Water level standing at 3.50mbgl upon completion.
3. Installation details: 32mm HDPE Standpipe installed from GL to 4.00mbgl. Plain pipe from GL to 3.00mbgl and a slotted pipe from 3.00m to 4.00mbgl. Hole backfilled with concrete from GL to 0.20mbgl, bentonite from 0.20m to 3.00mbgl and gravel from 3.00m to 4.00mbgl. Hole finished with a flush cover and gas tap.

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Window Sample Record

WSD13
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 72.479mAOD
Coordinates: 459530.94E
220604.96N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND (reworked natural): Stiff light brown-grey mottled slightly sandy slightly gravelly clay. Gravel is subangular to subrounded fine to coarse consisting of chalk, brick, ash / coal and chert.				CS01	0.10-0.30		0.00	
		0.35	72.13					
Soft to firm light brown-grey mottled slightly sandy slightly gravelly CLAY with rootlets. Gravel is subrounded medium chalk.				C1	1.20-2.00			
				C2	2.00-3.00			
		2.50	69.98	CS02	2.50-2.80		0.00	
Firm brown-grey laminated CLAY with organic peat.								
		3.00	69.48	C3	3.00-4.00			
Firm brown laminated CLAY.								
		4.00	68.48					
Window Sample Complete at 4.00 m								

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76	2.00 3.00 4.00			No Groundwater Encountered				

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 15/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks: 1. Starter pit dug from GL to 1.20mbgl.
2. Hole backfilled with arisings.

Print Date: 22/09/2010

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Window Sample Record

WSD14
Sheet 1 of 1

Project: Bicester

Project ID: SI1622

Contractors ID:

Client: Entec UK Limited

Engineer: Sarah Pilkington

Ground Level: 71.414mAOD
Coordinates: 459270.85E
220926.85N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND: Concrete and gravel - Type 2 fill. Gravel is subangular to angular medium to coarse limestone.				C1	0.00-1.00			
Soft to firm grey-brown CLAY. ...From 0.40m to 0.60mbgl dark grey with occasional fine rootlets. Black staining and occasional organic odour.		0.40	71.01	CS01	0.40-0.55		0.00	
				C2	1.00-2.00			
...From 1.50m to 2.20mbgl gravel is weathered chalk and plant remains.								
				C3	2.00-3.00			
...From 2.20mbgl becoming stiff and brown.								
...From 3.00m to 4.50mbgl yellow-brown with occasional sandy gravelly lens <0.05m. Gravel is fine to medium sandstone. ...From 3.00m to 3.10mbgl occasional black staining and slight organic odour in sand band.				CS02 C4	3.00-3.20 3.00-4.00		0.00	
				C5	4.00-5.00			
...From 4.50m to 5.00mbgl stiff grey-brown slightly gravelly thinly laminated clay. Gravel is fine of sandstone and shell fragments.								
Window Sample Complete at 5.00 m		5.00	66.41					

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76 66 56	1.00 2.00 3.00 4.00 5.00		13/07/10	4.00	20	2.70	-	

Client: Entec UK Limited
Engineer: Sarah Pilkington
Date: 13/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: PILKS
Checked By: P. Lewin

Remarks:
1. Water level standing at 2.70mbgl upon completion.
2. Installation details: 32mm HDPE Standpipe installed from GL to 4.50mbgl. Plain pipe from GL to 3.00mbgl and a slotted pipe from 3.00m to 4.50mbgl. Hole backfilled with concrete from GL to 0.20mbgl, bentonite from 0.20m to 3.00mbgl and gravel from 3.00m to 5.00mbgl. Hole finished with a flush cover and gas tap.

Print Date: 21/09/2010

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Window Sample Record

WSD15
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: Sarah Pilkington

Ground Level: 71.432mAOD
Coordinates: 459288.82E
220934.90N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND: Dark brown slightly silty sandy gravel. Gravel is subangular to subrounded fine to coarse mixed lithologies (railway sidings).				CS01	0.40-0.50		0.00	
Soft to firm grey-brown CLAY.		0.50	70.93					
				C1	1.20-2.00			
				C2	2.00-3.00			
...At 2.40mbgl (<0.02m) sandy gravelly band. Gravel is subangular to subrounded fine to medium sandstone.		2.50	68.93					
Grey CLAY with highly weathered CHALK.		2.70	68.73					
Grey-yellow-brown CLAY with sand bands (0.05m). ...From 2.90m to 3.00mbgl grey staining.				CS02 C3	2.90-3.00 3.00-4.00		0.00	
Stiff grey slightly gravelly thinly laminated CLAY.		3.50	67.93					
Window Sample Complete at 4.00 m		4.00	67.43					

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76	2.00 3.00 4.00		13/07/10	3.50	-	-	-	

Client: Entec UK Limited
Engineer: Sarah Pilkington
Date: 13/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: PILKS
Checked By: P. Lewin

Remarks:
1. Starter pit dug from GL to 1.20mbgl.
2. Water level standing at 2.70mbgl upon completion.
3. Installation details: 32mm HDPE Standpipe installed from GL to 3.50mbgl. Plain pipe from GL to 2.70mbgl and a slotted pipe from 2.70m to 3.50mbgl. Hole backfilled with concrete from GL to 0.20mbgl, bentonite from 0.20m to 2.70mbgl, gravel from 2.70m to 3.50mbgl and bentonite from 3.50m to 4.00mbgl. Hole finished with a flush cover and gas tap.

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Window Sample Record

WSD16
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level:
Coordinates:

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND (TOPSOIL): Stiff brown sandy gravelly clay. Gravel is angular to subangular medium to coarse consisting of concrete and brick.		0.20		CS01	0.20-0.40		0.00	
MADE GROUND: Brown sandy clayey gravel. Gravel is angular to subangular medium to coarse consisting of concrete, ash, metal and glass.		0.40		CS02	0.50-0.70		0.00	
Firm green-brown-orange mottled slightly sandy CLAY with occasional black staining and organic odour.		0.70						
Soft brown-grey mottled sandy CLAY with slight green staining.		1.25		C1	1.20-2.00			
Firm orange-brown-grey mottled slightly sandy CLAY. ...From 1.40m to 1.45mbgl sand and chert gravel band.				CS03	1.40-1.60		0.00	
				C2	2.00-3.00			
...From 2.20m to 2.50mbgl becoming soft and sandy.		2.50						
Firm dark brown slightly sandy laminated CLAY with occasional medium gypsum crystals.				C3	3.00-4.00			
Window Sample Complete at 4.00 m		4.00						

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76	2.00 3.00 4.00			No Groundwater Encountered				

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 22/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks: 1. Starter pit dug from GL to 1.20mbgl.
2. Hole backfilled with arisings.

Print Date: 22/09/2010

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Window Sample Record

WSD17
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 71.841mAOD
Coordinates: 459652.36E
220635.11N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND: Dark brown sand and gravel. Gravel is angular to subangular medium to coarse consisting of concrete, limestone, wood, metal and ACM.				CS01	0.10-0.30		0.00	
		0.35	71.49					
Soft to firm brown-orange-grey mottled sandy CLAY.								
		0.60	71.24					
Soft brown-orange mottled sandy CLAY. ...From 0.60mbgl becoming darker in colour and rare sand.				C1	1.20-2.00			
		1.40	70.44					
Firm grey-orange mottled CLAY with highly weathered chalk veins. ...From 2.00m to 2.10mbgl sand and gravel band. Slight seepage.				C2	2.00-3.00		0.00	
		2.60	69.24					
Brown-grey slightly sandy laminated CLAY with occasional gypsum crystals.				CS02	2.80-3.00			
				C3	3.00-4.00			
		4.00	67.84					
Window Sample Complete at 4.00 m								

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76	2.00 3.00 4.00		22/07/10	3.00	20	3.40	-	

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 22/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks: 1. Starter pit dug from GL to 1.20mbgl.
2. Hole backfilled with arisings.

Print Date: 22/09/2010

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Trial Pit Record

TPE01
Sheet 1 of 1

Project: Bicester

Project ID: SI1622

Client: Entec UK Limited

Engineer: John Tomalin

Ground Level: 67.101mAOD
Coordinates: 458037.94E
220528.86N

Orientation of Trial Pit: | Length: - | Width: - | Depth: 2.00

Description	Legend	Depth (m)	O.D. Level	Water	Sample / Test Type	Sample / Test Depth (m)	Remarks and Test Results PID (ppm)
MADE GROUND: Grey silty fine to coarse sand and angular fine to coarse limestone, concrete and gravel. Abundant ash.		0.15	66.95				
WEAK CONCRETE.		0.25	66.85				
MADE GROUND: Brown-grey silty gravelly fine to coarse sand. Gravel is angular fine ot coarse brick, concrete and occasional metal.					ES1	0.50	0.00
Stiff mottled grey and yellow-brown CLAY.		0.70	66.40				
					ES2	1.10	0.00
End of Trial Pit at 2.00 m		2.00	65.10				

Client: Entec UK Limited
Engineer: John Tomalin
Contractor: May Gurney Geotechnical
Date: 15/07/2010
Plant: JCB

Logged By: J. Tomalin
Checked By: P. Lewin

Water Level Observations

Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)
	No Groundwater Encountered		

Groundwater Remarks: No groundwater encountered throughout.

Remarks: Hole backfilled with arisings.

Hole Stability: Trial pit stable during excavation and on completion.

Print Date: 21/09/2010

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Trial Pit Record

TPE02
Sheet 1 of 1

Project: Bicester

Project ID: SI1622

Client: Entec UK Limited

Engineer: John Tomalin

Ground Level: 67.647mAOD
Coordinates: 457999.69E
220509.07N

Orientation of Trial Pit:

Length: - Width: - Depth: 2.80

Description	Legend	Depth (m)	O.D. Level	Water	Sample / Test Type	Sample / Test Depth (m)	Remarks and Test Results PID (ppm)
MADE GROUND: Brown-grey silty gravelly fine to medium sand. Gravel is angular fine to coarse brick, concrete and limestone. ...From 0.20mbgl excavated as a sandy angular fine to coarse clay gravel with occasional limestone and concrete gravel and cobbles. 5% rubble. Occasional sheet asbestos fragments. ...From 0.70mbgl abundant rubble, metal and occasional glass and plastic. ...From 1.30mbgl pockets of brown gravelly ash.					ES1	0.50	0.00
Stiff yellow-brown CLAY.		1.60	66.05		ES2	1.80	0.00
End of Trial Pit at 2.80 m		2.80	64.85				

Client: Entec UK Limited
Engineer: John Tomalin
Contractor: May Gurney Geotechnical
Date: 15/07/2010
Plant: JCB

Logged By: J. Tomalin
Checked By: P. Lewin

Water Level Observations

Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)
	No Groundwater Encountered		

Groundwater Remarks: No groundwater encountered throughout.

Remarks: Hole backfilled with arisings.

Hole Stability: Trial pit stable during excavation and on completion.

Print Date: 21/09/2010

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Borehole Record

BHE01

Project: Bicester

Project ID: SI1622

Client : Entec UK Limited

Engineer : James Ridehalgh

Ground Level: 70.960mAOD
Coordinates: 459202.71E
221011.79N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	SPT/CPT Casing Depth (m)	SPT/CPT Water Depth (m)	Remarks and Test Results SPT/HV/PP (Recovery)	Remarks and Test Results PID (ppm)	Installations
MADE GROUND (Reworked Natural): Stiff light brown slightly sandy slightly gravelly clay. Gravel is angular to subangular fine to coarse consisting of limestone, chalk and brick.		0.30	70.66	CS01	0.10-0.30				0.00	
Firm light brown-grey mottled slightly sandy CLAY.				CS02	1.00-1.20				0.00	
Firm dark brown-orange mottled slightly sandy laminated CLAY.		2.00	68.96							
Firm blue-grey slightly sandy slightly gravelly laminated CLAY with shell fragments. Gravel is subangular fine consisting of chalk.		3.00	67.96	CS03	3.00-3.20				0.00	
Borehole Complete at 6.00 m		6.00	64.96							

Water Level Observations

Hole Diameter Detail: Diameter (mm)	Depth (m)	Casing Depth (m)	Chiseling Details: From (m)	To (m)	Time (hours)	Date	Water Strike (m)	Standing Time (mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
							No Groundwater Encountered				

Client: Entec UK Limited
Engineer: James Ridehalgh
Contractor: May Gurney Geotechnical
Dates: 14/07/2010
Plant: Dando
Drilled By: T. York
Logged By: JSR
Checked By: P. Lewin

Remarks:
1. Starter pit dug from GL to 1.20mbgl.
2. Installation details: 50mm HDPE Standpipe installed from GL to 6.00mbgl. Plain pipe from GL to 0.50mbgl and a slotted pipe from 0.50m to 6.00mbgl. Hole backfilled with concrete from GL to 0.40mbgl, bentonite from 0.40m to 0.50mbgl and gravel from 0.50m to 6.00mbgl. Hole finished with a flush cover and gas tap.
3. General gas capture screening zone installed.

Print Date: 22/09/2010

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Borehole Record

BHE02

Project: Bicester

Project ID: SI1622

Client : Entec UK Limited

Engineer : James Ridehalgh

Ground Level: 70.819mAOD
Coordinates: 459214.15E
221017.16N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	SPT/CPT Casing Depth (m)	SPT/CPT Water Depth (m)	Remarks and Test Results SPT/HV/PP (Recovery)	Remarks and Test Results PID (ppm)	Installations
MADE GROUND (Reworked Natural): Stiff dark brown slightly sandy slightly gravelly clay. Gravel is subangular to subrounded fine to coarse consisting of chalk, brick and limestone.		0.40	70.42	CS01	0.20-0.40				0.00	
Firm light brown-grey mottled slightly sandy CLAY.				CS02	1.60-2.00				0.00	
...At 2.60mbgl becoming brown with orange mottling.		2.80	68.02							
Firm grey-blue slightly sandy laminated CLAY with shell fragments.				CS03	6.80-7.00				0.00	
Borehole Complete at 8.00 m		8.00	62.82							

Water Level Observations

Hole Diameter Detail: Diameter (mm)	Depth (m)	Casing Depth (m)	Chiseling Details: From (m)	To (m)	Time (hours)	Date	Water Strike (m)	Standing Time (mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
						14/07/10	1.60	-	-	-	3.00

Client: Entec UK Limited
Engineer: James Ridehalgh
Contractor: May Gurney Geotechnical
Dates: 14/07/2010
Plant: Dando
Drilled By: T. York
Logged By: JSR
Checked By: P. Lewin

Remarks:
1. Starter pit dug from GL to 1.20mbgl.
2. Installation details: 50mm HDPE Standpipe installed from GL to 2.80mbgl. Plain pipe from GL to 0.50mbgl and a slotted pipe from 0.50m to 2.80mbgl. Hole backfilled with concrete from GL to 0.40mbgl, bentonite from 0.40m to 0.50mbgl, gravel from 0.50m to 2.80mbgl, bentonite from 2.80m to 4.00mbgl and arisings from 4.00m to 8.00mbgl. Hole finished with a flush cover and gas tap.

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Window Sample Record

WSE01
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 69.364mAOD
Coordinates: 458931.39E
221084.21N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
Stiff brown sandy CLAY topsoil with rootlets.								
		0.20	69.16					
Firm brown-orange mottled sandy CLAY.				CS01	0.40-0.60		0.00	
				C1	1.20-2.00			
...From 1.25m to 1.45mbgl fine coal gravel.								
		1.45	67.91					
Firm grey-orange mottled sandy CLAY with fine gypsum crystals.				C2	2.00-3.00			
		2.60	66.76					
Firm brown slightly sandy laminated CLAY with yellow weathered chalk laminations and occasional gypsum crystals.				CS02	2.80-3.00		0.00	
				C3	3.00-4.00			
		3.90	65.46					
Stiff grey slightly sandy laminated CLAY with occasional medium gypsum crystals.		4.00	65.36					
Window Sample Complete at 4.00 m								

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76	2.00 3.00 4.00			No Groundwater Encountered				

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 22/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks: 1. Starter pit dug from GL to 1.20mbgl.
2. Hole backfilled with arisings.

Print Date: 22/09/2010

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Window Sample Record

WSE02
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 69.356mAOD
Coordinates: 458870.27E
221087.97N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
Brown sandy TOPSOIL.		0.10	69.26					
Firm brown-orange mottled sandy CLAY with rootlets.				CS01	0.50-0.70		0.00	
...From 0.70mbgl black fine coal gravel.		0.95	68.41					
Firm grey-orange mottled slightly sandy CLAY.				C1	1.20-2.00			
				C2	2.00-3.00			
				CS02	2.10-2.30		0.00	
Firm brown slightly sandy laminated CLAY with occasional yellow weathered chalk laminations and gypsum crystals.		2.40	66.96					
...From 2.50mbgl becoming sandy with occasional sand lenses.				C3	3.00-4.00			
Firm grey slightly sandy laminated CLAY.		3.50	65.86					
Window Sample Complete at 4.00 m		4.00	65.36					

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76	2.00 3.00 4.00			No Groundwater Encountered				

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 22/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks:
1. Starter pit dug from GL to 1.20mbgl.
2. Installation details: 32mm HDPE Standpipe installed from GL to 2.50mbgl. Hole backfilled with bentonite from GL to 1.00mbgl, gravel from 1.00m to 2.50mbgl and bentonite from 2.50m to 4.00mbgl. Hole finished with a flush cover and gas tap.

Print Date: 22/09/2010

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Window Sample Record

WSE03
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 71.477mAOD
Coordinates: 458753.03E
221004.18N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND (TOPSOIL): Stiff brown sandy slightly gravelly clay. Gravel is angular to subangular medium to coarse consisting of brick and wood.		0.20	71.28	CS01	0.30-0.40		0.00	
MADE GROUND: Stiff light brown sandy gravelly clay with cobbles of brick. Gravel is angular to subangular fine to coarse consisting of glass and brick.		0.40	71.08					
Firm brown and orange-grey mottled sandy CLAY. ...From 0.75mbgl becoming darker and increasing grey.				C1	1.20-2.00			
Firm grey-orange mottled slightly sandy CLAY.		1.45	70.03					
				C2	2.00-3.00			
...From 2.40m to 2.50mbgl sand bands.				CS02	2.30-2.50		0.00	
Firm brown slightly sandy laminated CLAY with yellow highly weathered chalk laminations.		2.50	68.98					
				C3	3.00-4.00			
...From 3.10mbgl becoming darker brown.								
...From 3.50mbgl gypsum crystals.								
Window Sample Complete at 4.00 m		4.00	67.48					

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76	2.00 3.00 4.00			No Groundwater Encountered				

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 23/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks: 1. Starter pit excavated from GL to 1.20mbgl (21.07.10), window sampling completed (22.07.10).
2. Hole backfiled with arisings.

Print Date: 22/09/2010

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Window Sample Record

WSE04
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 71.531mAOD
Coordinates: 458758.19E
221009.21N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND (TOPSOIL): Stiff brown sandy slightly gravelly clay. Gravel is angular to subangular fine to medium consisting of sandstone, brock and concrete.		0.20	71.33	CS01	0.20-0.40		0.00	
MADE GROUND: Stiff light brown sandy slightly gravelly clay. Gravel is angular to subangular medium to coarse consisting of brick, ash, sandstone and concrete.		0.40	71.13					
Firm brown-grey-orange mottled sandy CLAY. ...From 0.80mbgl becoming darker.				C1	1.20-2.00			
Firm grey-orange mottled slightly sandy CLAY.		1.50	70.03	CS02	1.60-1.80		0.00	
				C2	2.00-3.00			
...From 2.40m to 2.50mbgl sand bands with fine gypsum crystals.		2.50	69.03					
Firm brown slightly sandy laminated CLAY with yellow highly weathered chalk laminations.				C3	3.00-4.00			
...From 3.20mbgl gypsum crystals.								
Window Sample Complete at 4.00 m		4.00	67.53					

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 86	2.00 3.00 4.00			No Groundwater Encountered				

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 21/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks:
1. Starter pit dug from GL to 1.20mbgl (21.07.10) and window sampler completed (22.07.10).
2. Installation details: 32mm HDPE Standpipe installed from GL to 2.50mbgl. Plain pipe from GL to 0.50mbgl and a slotted pipe from 0.50m to 2.50mbgl. Hole backfilled with bentonite from GL to 0.50mbgl, gravel from 0.50m to 2.50mbgl and bentonite from 2.50m to 4.00mbgl. Hole finished with a flush cover and gas tap.

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Window Sample Record

WSE05
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 69.716mAOD
Coordinates: 458183.71E
220408.22N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND: Brown sandy gravelly clay. Gravel is angular medium to coarse consisting of brick and concrete.		0.20	69.52					
Brown-orange very sandy CLAY.				CS01	0.50-0.70		0.00	
Firm grey-orange mottled laminated CLAY with occasional organic layers and rootlets.		1.00	68.72	C1	1.20-2.00			
...From 1.80mbgl becoming rare.				CS02	1.80-2.00		0.00	
Firm grey-brown laminated CLAY with gypsum crystals and organic laminations.		2.00	67.72	C2	2.00-3.00			
				C3	3.00-4.00			
Firm grey sandy laminated CLAY with gypsum crystals.		3.40	66.32					
Window Sample Complete at 4.00 m		4.00	65.72					

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76	2.00 3.00 4.00			No Groundwater Encountered				

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 20/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks: 1. Starter pit dug from GL to 1.20mbgl.
2. Hole backfilled with arisings.

Print Date: 22/09/2010

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Window Sample Record

WSE06
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 69.369mAOD
Coordinates: 458157.52E
220429.90N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND (TOPSOIL): Brown sandy clay with rootlets and occasional cobbles of concrete.		0.10	69.27					
MADE GROUND: Brown-orange-grey mottled sandy slightly gravelly clay. Gravel is angular medium to coarse consisting of brick and concrete.				CS01	0.30-0.50		0.00	
		0.50	68.87					
Firm light brown and grey-orange mottled sandy slightly gravelly CLAY. Gravel is angular fine consisting of sandstone.								
		1.20	68.17	C1	1.20-2.00			
Firm light brown-orange mottled CLAY with organic laminations.								
				C2	2.00-3.00			
		2.20	67.17					
Firm grey-brown laminated CLAY with yellow weathered chalk laminations and occasional gypsum crystals.								
				CS02	2.80-3.00		0.00	
				C3	3.00-4.00			
		3.30	66.07					
Firm grey sandy laminated CLAY with occasional gypsum crystals and thin brown sand bands.								
		4.00	65.37					
Window Sample Complete at 4.00 m								

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76	2.00 3.00 4.00			No Groundwater Encountered				

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 20/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks: 1. Starter pit dug from GL to 1.20mbgl.
2. Hole backfilled with arisings.

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Window Sample Record

WSE07
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 68.916mAOD
Coordinates: 458135.81E
220414.42N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND: Brown stiff sandy gravelly clay. Gravel is angular to subangular medium to coarse consisting of concrete and brick.				CS01	0.00-0.20		0.00	
		0.20	68.72					
MADE GROUND: Brown very sandy gravelly clay. Gravel is angular to subangular medium to coarse consisting of concrete.		0.45	68.47					
Firm brown-grey-orange mottled sandy CLAY.				C1	1.20-2.00			
		1.60	67.32					
Firm brown-orange mottled laminated CLAY. ...From 1.70m to 2.20mbgl organic material between laminations.				CS02	1.70-1.90		0.00	
				C2	2.00-3.00			
		2.30	66.62					
Stiff brown sandy laminated CLAY with occasional gypsum crystals. ...From 3.30mbgl becoming grey.				C3	3.00-4.00			
		4.00	64.92					
Window Sample Complete at 4.00 m								

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76	2.00 3.00 4.00			No Groundwater Encountered				

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 20/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks: 1. Starter pit dug from GL to 1.20mbgl.
2. Hole backfilled with arisings.

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Window Sample Record

WSE08
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 69.000mAOD
Coordinates: 458145.79E
220394.06N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND: Dark brown sandy gravelly clay with orange mottling. Gravel is angular to subangular fine to coarse consisting of concrete, brick, chalk and limestone.		0.25	68.75					
MADE GROUND: Yellow-brown sandy gravel. Gravel is angular to subangular fine to coarse consisting of concrete, brick and limestone. Occasional cobbles of concrete.		0.70	68.30	CS01	0.40-0.60		0.00	
Soft to firm grey-orange mottled slightly sandy CLAY with occasional black staining in initial layer.				CS02	0.70-0.90		0.00	
				C1	1.20-2.00			
Soft brown-orange sandy laminated CLAY with organic deposits in laminations and fine gypsum crystals.		1.35	67.65					
				CS03	1.60-1.80		0.00	
Firm brown-grey laminated CLAY with yellow and brown laminations and fine to medium gypsum crystals.		1.90	67.10	C2	2.00-3.00			
				C3	3.00-4.00			
Firm grey sandy laminated CLAY with occasional gypsum crystal.		3.15	65.85					
Window Sample Complete at 4.00 m		4.00	65.00					

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76	2.00 3.00 4.00			No Groundwater Encountered				

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 20/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks:
1. Starter pit dug from GL to 1.20mbgl.
2. Installation details: 32mm HDPE Standpipe installed from GL to 1.30mbgl. Plain pipe from GL to 0.30mbgl and a slotted pipe from 0.30m to 1.30mbgl. Hole backfilled with bentonite from GL to 0.30mbgl, gravel from 0.30m to 1.30mbgl and bentonite from 1.30m to 4.00mbgl. Hole finished with a flush cover and gas tap.

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Window Sample Record

WSE09
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 68.747mAOD
Coordinates: 458134.40E
220358.13N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND: Stiff dark brown sandy gravelly clay. Gravel is angular to subangular fine to coarse consisting of ceramic, tile, concrete and brick.								
		0.35	68.40	CS01	0.40-0.50		0.00	
MADE GROUND: Black sandy ash and gravel - slight hydrocarbon odour.								
		1.10	67.65					
Firm grey-orange mottled slightly sandy CLAY. Black staining on upper 200mm.				C1	1.20-2.00			
...From 1.50m to 1.60mbgl sand band.				CS02	1.50-1.60		0.00	
		1.80	66.95					
Firm brown-orange mottled very sandy CLAY.				C2	2.00-3.00			
		2.60	66.15					
Firm brown sandy laminated CLAY with fine gypsum crystals.				C3	3.00-4.00			
		3.50	65.25					
Firm to stiff grey laminated CLAY with medium to coarse gypsum crystals.								
		4.00	64.75					
Window Sample Complete at 4.00 m								

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76	2.00 3.00 4.00			No Groundwater Encountered				

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 13/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks:
1. Starter pit dug from GL to 1.20mbgl.
2. Installation details: 32mm HDPE Standpipe installed from GL to 0.60mbgl. Plain pipe from GL to 0.30mbgl and a slotted pipe from 0.30m to 0.60mbgl. Hole backfilled with bentonite from GL to 0.30mbgl, gravel from 0.30m to 0.60mbgl and spoil from 0.60m to 4.00mbgl. Hole finished with a flush cover and gas tap.

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Window Sample Record

WSE10
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 68.326mAOD
Coordinates: 458119.11E
220340.83N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND: Stiff brown sandy gravelly clay with occasional concrete and cobbles. Gravel is angular to subangular fine to coarse consisting of concrete, brick, ACM and limestone.				CS01	0.10-0.30		0.00	
		0.35	67.98					
MADE GROUND: Soft brown-orange mottled sandy slightly gravelly clay. Gravel is fine black ash.		0.50	67.83					
				CS02	0.70-0.90		0.00	
MADE GROUND: Black sandy ash and gravel - slight hydrocarbon odour.		0.90	67.43					
Soft grey sandy CLAY with black staining.				C1	1.20-2.00			
		1.70	66.63					
Firm brown and orange-grey mottled sandy CLAY.				C2	2.00-3.00			
		3.00	65.33	CS03 C3	3.00-3.30 3.00-4.00		0.00	
Soft orange SAND.								
		3.30	65.03					
Firm grey-brown-orange mottled sandy CLAY.								
		4.00	64.33					
Window Sample Complete at 4.00 m								

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76	2.00 3.00 4.00		20/07/10	4.00	20	2.60	-	

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 20/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks:
1. Starter pit dug from GL to 1.20mbgl.
2. Water level standing at 2.60mbgl upon completion.
3. Installation details: 32mm HDPE Standpipe installed from GL to 3.50mbgl. Plain pipe from GL to 1.50mbgl and a slotted pipe from 1.50m to 3.50mbgl. Hole backfilled with bentonite from GL to 1.50mbgl, gravel from 1.50m to 3.50mbgl and bentonite from 3.50m to 4.00mbgl. Hole finished with a flush cover and gas tap.

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Window Sample Record

WSE11
Sheet 1 of 1

Project: Bicester

Project ID: SI1622

Contractors ID:

Client: Entec UK Limited

Engineer: James Ridehalgh

Ground Level: 66.786mAOD
Coordinates: 458085.86E
220302.33N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND: Stiff brown-orange mottled sandy slightly gravelly clay. Gravel is subangular to subrounded fine to medium consisting of ash, ACM, brick, concrete and limestone.		0.20	66.59	CS01	0.10-0.30		0.00	
Firm to stiff brown-orange mottled very sandy CLAY.				CS02 C1	0.80-1.00 0.80-1.00		0.00	
Firm brown-grey mottled sandy CLAY.		1.60	65.19	C2 C3	2.00 2.00-3.00			
Firm brown laminated CLAY with occasional yellow and dark brown laminations and fine gypsum crystals.		2.50	64.29	C4	3.00-4.00			
Firm to stiff grey laminated CLAY.		3.15	63.64					
Window Sample Complete at 4.00 m		4.00	62.79					

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76 66	1.00 2.00 3.00 4.00			No Groundwater Encountered				

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 21/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks: 1. Starter pit dug from GL to 1.20mbgl.
2. Hole backfilled with arisings.

Print Date: 22/09/2010

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Window Sample Record

WSE12
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 69.048mAOD
Coordinates: 458167.76E
220327.38N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND: Stiff brown sandy slightly gravelly clay. Gravel is angular to subangular fine to coarse consisting of coal, ash, ACM, brick and concrete.				CS01	0.10-0.30		0.00	
		0.40	68.65					
Soft brown-orange-grey mottled slightly sandy CLAY.				C1	1.20-2.00			
		1.30	67.75					
Soft to firm brown-orange laminated CLAY with organic brown laminations.								
		2.00	67.05	CS02 C2	2.00-2.30 2.00-3.00		0.00	
Firm brown laminated slightly sandy CLAY with yellow laminations.								
				C3	3.00-4.00			
		3.50	65.55					
Firm to stiff grey laminated CLAY with shell fossils.								
		4.00	65.05					
Window Sample Complete at 4.00 m								

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76	2.00 3.00 4.00			No Groundwater Encountered				

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 21/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks: 1. Starter pit dug from GL to 1.20mbgl.
2. Hole backfilled with arisings.

Print Date: 22/09/2010

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Window Sample Record

WSE13
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 68.485mAOD
Coordinates: 458144.69E
220313.48N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND: Brown sandy very gravelly clay. Gravel is angular to subangular fine to medium consisting of ACM, ash, clinker, brick and limestone.				CS01	0.20-0.40		0.00	
		0.40	68.09					
Soft brown orange-grey mottled sandy CLAY.				CS02	0.80-1.20		0.00	
				C1	1.20-2.00			
		1.70	66.79					
Firm brown-grey laminated slightly sandy CLAY with dark brown and yellow laminations and occasional fine gypsum crystal bands.				C2	2.00-3.00			▽
...From 2.40mbgl becoming greyer in colour.				C3	3.00-4.00			
		3.10	65.39					
Firm grey slightly sandy laminated CLAY.								
		4.00	64.49					
Window Sample Complete at 4.00 m								

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76	2.00 3.00 4.00		21/07/10	2.00	-	-	-	

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 21/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks: 1. Starter pit dug from GL to 1.20mbgl.
2. Hole backfilled with arisings.

Print Date: 22/09/2010

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Window Sample Record

WSE14
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 67.368mAOD
Coordinates: 458109.76E
220270.42N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND: Brown very sandy very gravelly clay. Gravel is medium to coarse angular to subangular consisting of ash, limestone, clinker and concrete.				CS01	0.40-0.70		0.00	
		0.80	66.57	C1	0.80-1.00			
Firm brown-orange mottled very sandy CLAY with fine gypsum crystals.				C2	1.00-2.00			
		1.40	65.97					
Firm brown-orange-grey mottled sandy CLAY.				C3	2.00-3.00			
		2.20	65.17					
Firm brown-grey laminated slightly sandy CLAY with dark brown and yellow laminations.				CS02	2.40-2.60		0.00	
				CS03	2.60-2.80			
				C4	3.00-4.00			
		3.40	63.97					
Firm grey laminated CLAY with occasional coarse mudstone gravel and fine gypsum crystals.								
		4.00	63.37					
Window Sample Complete at 4.00 m								

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76 66	1.00 2.00 3.00 4.00			No Groundwater Encountered				

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 21/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks: 1. Starter pit dug from GL to 0.80mbgl.
2. Hole backfilled with arisings.

Print Date: 22/09/2010

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Window Sample Record

WSE15
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: Sarah Pilkington

Ground Level: 71.005mAOD
Coordinates: 459211.78E
221011.58N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND: Grass over light brown slightly sandy slightly gravelly clay with fine rootlets. Gravel is subrounded to subangular sandstone and occasional chalk. Reworked Natural.				CS01	0.30-0.40		0.00	
		0.50	70.51					
Soft to firm slightly gravelly orange-grey CLAY. Gravel is subangular fine consisting of mudstone.				C1	1.20-2.00			
				CS02	1.80-2.00		0.00	
				C2	2.00-3.00			
...From 3.00mbgl becoming brown and laminated.				C3	3.00-4.00			
...From 3.50mbgl becoming stiff.								
		4.00	67.01					
Window Sample Complete at 4.00 m								

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76	2.00 3.00 4.00			No Groundwater Encountered				

Client: Entec UK Limited
Engineer: Sarah Pilkington
Date: 13/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: PILKS
Checked By: P. Lewin

Remarks: 1. Starter pit dug from GL to 1.20mbgl.
2. Hole backfilled with arisings.

Print Date: 21/09/2010

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Window Sample Record

WSE16
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: Sarah Pilkington

Ground Level: 70.637mAOD
Coordinates: 459203.45E
221020.48N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND: Grass over light brown mottled orange and grey slightly gravelly clay with occasional fine rootlets. Gravel is subrounded to subangular fine to coarse sandstone and mudstone.				CS01	0.50-0.60		0.00	
PIPE IN SOUTH OF PIT RUNNING APPROX EAST TO WEST (40 - 50mm black plastic).		0.70	69.94					
		0.80	69.84					
Soft to firm slight gravelly orange-grey CLAY. Gravel is subangular fine mudstone. Occasional wood.				CS02 C1	1.20-1.40 1.20-2.00		0.00	
...From 1.50mbgl becoming laminated.				C2	2.00-3.00			
...From 3.00mbgl shell gypsum gravel.				C3	3.00-4.00			
...From 3.50mbgl becoming grey and stiff.				C4	4.00-5.00			
...From 4.50mbgl becoming very stiff.								
Window Sample Complete at 5.00 m		5.00	65.64					

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76 66	2.00 3.00 4.00 5.00			No Groundwater Encountered				

Client: Entec UK Limited
Engineer: Sarah Pilkington
Date: 13/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: PILKS
Checked By: P. Lewin

Remarks: 1. Starter pit dug from GL to 1.20mbgl.
2. Hole backfilled with arisings.

Print Date: 21/09/2010

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Window Sample Record

WSE17
Sheet 1 of 1

Project: Bicester

Project ID: SI1622

Contractors ID:

Client: Entec UK Limited

Engineer: James Ridehalgh

Ground Level: 67.443mAOD
Coordinates: 458902.05E
221296.00N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND: Light brown sandy gravelly clay with brick cobbles. Gravel is angular to subangular fine to coarse consisting of brick, concrete and tarmac fragments. ...At 0.30mbgl concrete boulder.				CS01	0.20-0.40		0.00	
		0.45	66.99					
Soft blue, grey-black sandy silty CLAY with orange and black mottling. Organic odour present.				CS02	0.60-0.80		0.00	
		0.80	66.64					
Soft to firm light brown-grey mottled slightly sandy slightly gravelly CLAY. Gravel subrounded fine to medium chalk. ...From 1.00m to 1.20mbgl slight water seepage.				C1	1.20-2.00			
		2.00	65.44	C2	2.00-3.00			
Firm brown orange mottled CLAY with sand lenses and abundant fine gypsum crystals. (Wet).				CS03	2.40-2.60		0.00	
		3.00	64.44	C3	3.00-4.00			
Firm grey-brown laminated CLAY.								
		4.00	63.44					
Window Sample Complete at 4.00 m								

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
86 76 66	2.00 3.00 4.00		15/07/10	1.00	20	0.50	-	

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 15/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks:
1. Starter pit dug from GL to 1.20mbgl.
2. Water level standing at 3.60mbgl upon completion.
3. Installation details: 32mm HDPE Standpipe installed from GL to 3.00mbgl. Plain pipe from GL to 0.50mbgl and a slotted pipe from 0.50m to 3.00mbgl. Hole backfilled with bentonite from GL to 0.50mbgl, gravel from 0.50m to 3.00mbgl and bentonite from 3.00m to 4.00mbgl. Hole finished with a flush cover and gas tap.

Print Date: 22/09/2010

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Window Sample Record

WSE18
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 67.178mAOD
Coordinates: 458893.53E
221299.15N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND (Reworked Natural): Brown-orange sandy slightly gravelly clay. Gravel is medium to coarse angular to subangular consisting of limestone, wood and concrete.		0.30	66.88					
Soft light brown-grey-orange CLAY.		0.60	66.58					
Window Sample Complete at 0.60 m								

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
				No Groundwater Encountered				

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 15/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks: 1. Hole abandoned at 0.60mbgl due to time restraints.
2. Hole backfilled with arisings.

Print Date: 22/09/2010

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Window Sample Record

WSE19
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 71.108mAOD
Coordinates: 459192.24E
221011.50N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND: Stiff dark brown sandy slightly gravelly clay. Gravel is angular to subangular medium to coarse consisting of concrete and brick.		0.30	70.81	CS01	0.30-0.50		0.00	
MADE GROUND: Light brown sandy gravelly clay. Gravel is angular to subangular medium to coarse consisting of brick, concrete and cobbles of brick.		0.55	70.56	CS02	0.60-0.70		0.00	
MADE GROUND: Grey-black sandy ash and burnt metal. Numerous burnt military cap badges and buttons.		0.80	70.31					
MADE GROUND: Loosely packed with void spaces - Brown sand and gravel with frequent brick cobbles. Gravel is angular medium to coarse consisting of glass, brick and burnt ash and ACM.				C1	1.20-2.00			
				C2	2.00-3.00			
				C3	3.00-4.00			
				CS03	3.30-3.50		0.00	
Stiff light brown-orange sandy gravelly CLAY. Gravel is angular to subangular fine to medium consisting of chalk and chert.		3.50	67.61					
Window Sample Complete at 4.00 m		4.00	67.11					

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76	2.00 3.00 4.00			No Groundwater Encountered				

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 22/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks:
1. Starter pit dug from GL to 1.20mbgl.
2. No installation due to hole collapse.
3. Hole backfilled with arisings.

Print Date: 22/09/2010

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Window Sample Record

WSE20
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 66.352mAOD
Coordinates: 457912.10E
220551.03N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results PID (ppm)	Installations
MADE GROUND: Stiff brown sandy gravelly clay. Gravel is angular to subangular medium to coarse consisting of sandstone, clinker, ash, brick and concrete.				C1	0.00-1.00		
				CS01	0.20-0.40	0.00	
MADE GROUND: Light brown clayey sandy gravel. Gravel is angular to subangular fine to coarse consisting of concrete and limestone.		0.40	65.95				
VOID SPACES AND NO RETURN FROM CORE BAND.		1.00	65.35	C2	1.00-2.00		
				C3	2.00-3.00		
MADE GROUND: Light brown sandy gravel. Gravel is angular to subangular fine to coarse consisting of concrete, limestone and glass.		3.00	63.35	C4	3.00-4.00		
Wet firm light brown gravelly SAND. Gravel is subangular to subrounded fine to medium consisting of chert and limestone.		3.40	62.95	CS02	3.40-3.60	0.00	
				C5	4.00-5.00		▽
Firm to stiff grey slightly sandy laminated		4.80	61.55				
Continued next sheet		5.00	61.35				

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76 66 56	1.00 2.00 3.00 4.00 5.00		22/07/10	4.00	-	-	-	

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 22/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks: 1. No installation as hole collapsed.
2. Hole backfilled with arisings.

Print Date: 22/09/2010

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Window Sample Record

WSE20
Sheet 1+ of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 66.352mAOD
Coordinates: 457912.10E
220551.03N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
CLAY.								
Window Sample Complete at 5.00 m								

Water Level Observations

Drive Records Diameter (mm)	To (m)	Recovery (%)	Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
102 86 76 66 56	1.00 2.00 3.00 4.00 5.00		22/07/10	4.00	-	-	-	

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 22/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks: 1. No installation as hole collapsed.
2. Hole backfilled with arisings.

Print Date: 22/09/2010

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Window Sample Record

WSE21
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 67.071mAOD
Coordinates: 457959.46E
220486.65N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND: Firm brown-orange sandy slightly gravelly clay. Gravel is angular to subangular fine to coarse consisting of clinker and ash.				C1	0.00-1.00			
		0.60	66.47					
MADE GROUND: Brown sand and gravel. Gravel is angular to subangular medium to coarse consisting of concrete and limestone.		0.80	66.27					
		0.85	66.22	CS01	0.85-0.95		0.00	
MADE GROUND: Black burnt ash gravel band.		0.95	66.12					
		1.00	66.07	C2	1.00-2.00			
MADE GROUND: Grey-brown ash gravel with coarse pieces of clinker.								
Stiff brown slightly sandy slightly gravelly CLAY. Gravel is subangular medium limestone.								
Loose light brown SAND and GRAVEL. Gravel is subangular to subrounded fine to medium consisting of limestone, chalk and chert.				CS02	1.60-1.90		0.00	
		1.90	65.17					
MUDSTONE COBBLE.		2.00	65.07					
Window Sample Complete at 2.00 m								

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86	1.00 2.00			No Groundwater Encountered				

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 22/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks:
1. Hole abandoned at 2.00mbgl as window sampling techniques unable to progress.
2. Installation details: 32mm HDPE Standpipe installed from GL to 2.00mbgl. Plain pipe from GL to 0.50mbgl and a slotted pipe from 0.50m to 2.00mbgl. Hole backfilled with bentonite from GL to 0.50mbgl and gravel from 0.50m to 2.00mbgl. Hole finished with a flush cover and gas tap.

Print Date: 22/09/2010

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Window Sample Record

WSE22
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 67.539mAOD
Coordinates: 458081.94E
220616.74N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND: Stiff brown gravelly clay with concrete cobbles. Gravel is angular to subrounded fine to coarse consisting of brick, concrete, flint and ash.				C1	0.00-1.00			
				CS01	0.40-0.60		0.00	
				C2	1.00-2.00			
MADE GROUND: Firm brown sandy gravelly clay with gravel bands. Gravel is angular to subangular fine to coarse consisting of concrete, brick, polystyrene, plastic and flint.		1.40	66.14					
Soft to firm brown-orange mottled sandy CLAY with fine coal gravel.		1.90	65.64	C3	2.00-3.00			
				CS02	2.40-2.60		0.00	
Firm grey-orange mottled slightly sandy CLAY.		3.00	64.54	C4	3.00-4.00			
Firm brown slightly sandy laminated CLAY with highly weathered yellow chalk laminations.		3.75	63.79					
Window Sample Complete at 4.00 m		4.00	63.54					

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76 66	1.00 2.00 3.00 4.00			No Groundwater Encountered				

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 23/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks: 1. Installation details: 32mm HDPE Standpipe installed from GL to 2.00mbgl. Plain pipe from GL to 0.50mbgl and a slotted pipe from 0.50m to 2.00mbgl. Hole backfilled with bentonite from GL to 0.50mbgl, gravel from 0.50m to 2.00mbgl and bentonite from 2.00m to 4.00mbgl. Hole finished with a flush cover and gas tap.

Print Date: 22/09/2010

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Window Sample Record

WSE23
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 66.973mAOD
Coordinates: 458097.15E
220638.59N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results PID (ppm)	Installations
MADE GROUND: Stiff brown sandy gravelly clay. Gravel is angular to subangular medium to coarse consisting of brick, concrete and ash.				C1	0.00-1.00		
				CS01	0.30-0.50	0.00	
MADE GROUND: Dark brown-black sand and gravel. Gravel is angular to subangular fine to coarse brick, ash and clinker.		0.70	66.27	CS02	0.70-1.00	0.00	
Firm brown-orange very sandy CLAY.		1.00	65.97	C2	1.00-2.00		
				CS03	1.20-1.40	0.00	
Firm grey-orange mottled sandy CLAY.		2.00	64.97	C3	2.00-3.00		
				C4	3.00-4.00		
Firm brown slightly sandy laminated CLAY with highly weathered yellow chalk laminations and fine gypsum crystals.		3.10	63.87				
Firm grey slightly sandy laminated CLAY with occasional gypsum crystals.		3.80	63.17				
Window Sample Complete at 4.00 m		4.00	62.97				

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76 66	1.00 2.00 3.00 4.00			No Groundwater Encountered				

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 23/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks: 1. Installation details: 32mm HDPE Standpipe installed from GL to 1.00mbgl. Plain pipe from GL to 0.50mbgl and a slotted pipe from 0.50m to 1.00mbgl. Hole backfilled with bentonite from GL to 0.50mbgl, gravel from 0.50m to 1.00mbgl and bentonite from 1.00m to 4.00mbgl.

Print Date: 22/09/2010

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Window Sample Record

WSE24
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 66.695mAOD
Coordinates: 458230.04E
221177.38N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results PID (ppm)	Installations
Dark brown sandy TOPSOIL with rootlets and wood.		0.10	66.60	C1	0.00-1.00		
Light brown-orange mottled stiff sandy CLAY.				CS01	0.30-0.50	0.00	
Firm grey-orange mottled sandy CLAY.		0.70	66.00	C2	1.00-2.00		
Stiff brown slightly sandy laminated CLAY with dark brown organic laminations.		1.35	65.35				
Firm brown slightly sandy laminated CLAY with yellow highly weathered chalk laminations.		1.50	65.20	C3	2.00-3.00		
Firm grey-blue sandy laminated CLAY with occasional fine to medium gypsum crystals. Becoming predominantly sandy with depth.		2.30	64.40	C4	3.00-4.00		
				C5	4.00-5.00		
Soft to firm blue-grey clayey SAND.		4.30	62.40	CS02	4.40-4.60	0.00	
Window Sample Complete at 5.00 m		5.00	61.70				

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76 66 56	1.00 2.00 3.00 4.00 5.00			No Groundwater Encountered				

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 23/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks: 1. Installation details: 32mm HDPE Standpipe installed from GL to 5.00mbgl. Plain pipe from GL to 1.00mbgl and a slotted pipe from 1.00m to 5.00mbgl. Hole backfilled with bentonite from GL to 1.00mbgl and gravel from 1.00m to 5.00mbgl. Hole finished with a flush cover and gas tap.

Print Date: 22/09/2010

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Window Sample Record

WSE25
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 66.219mAOD
Coordinates: 458138.02E
221060.90N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results PID (ppm)	Installations
Brown sandy TOPSOIL with rootlets.				C1	0.00-1.00		
Brown-orange mottled sandy slightly gravelly CLAY. Gravel is angular fine consisting of coal.		0.20	66.02	CS01	0.20-0.50	0.00	
Firm grey-orange mottled sandy CLAY.		0.50	65.72				
				C2	1.00-2.00		
...From 1.30m to 1.60mbgl becoming increasingly sandy.				CS02	1.30-1.60	0.00	
Firm brown slightly sandy laminated CLAY with highly weathered yellow chalk laminations and fine gypsum crystals.		1.60	64.62				
				C3	2.00-3.00		
Firm grey slightly sandy laminated CLAY with occasional shell fossils - becoming increasingly sandy with depth.		2.60	63.62				
				C4	3.00-4.00		
				C5	4.00-5.00		
Soft to firm grey-blue clayey SAND.		4.40	61.82				
Window Sample Complete at 5.00 m		5.00	61.22				

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76 66 56	1.00 2.00 3.00 4.00 5.00			No Groundwater Encountered				

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 23/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks: 1. Installation details: 32mm HDPE Standpipe installed from GL to 5.00mbgl. Plain pipe from GL to 4.00mbgl and a slotted pipe from 4.00m to 5.00mbgl. Hole backfilled with bentonite from GL to 4.00mbgl and gravel from 4.00m to 5.00mbgl. Hole finished with a flush cover and gas tap.

Print Date: 22/09/2010

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Window Sample Record

WSE26
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: James Ridehalgh

Ground Level: 65.512mAOD
Coordinates: 458044.22E
220929.18N

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results PID (ppm)	Installations
Brown sandy TOPSOIL.		0.10	65.41	C1 CS01	0.00-1.00 0.10-0.30	0.00	
Brown-orange mottled sandy slightly gravelly CLAY. Gravel is angular fine coal.		0.30	65.21				
Grey sandy GRAVEL. Gravel is angular fine to coarse consisting of chert and flint.		0.55	64.96				
Firm grey-orange mottled sandy CLAY.				C2	1.00-2.00		
...From 1.40m to 1.70mbgl becoming sandy.		1.70	63.81				
Firm brown slightly sandy laminated CLAY with highly weathered yellow chalk laminations.				CS02 C3	2.00-2.30 2.00-3.00	0.00	
Firm grey slightly sandy laminated CLAY with occasional medium gypsum crystals.		2.40	63.11	C4	3.00-4.00		
				C5	4.00-5.00		
Firm grey-blue SAND.		4.70	60.81				
Window Sample Complete at 5.00 m		5.00	60.51				

Water Level Observations

Drive Records			Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
Diameter (mm)	To (m)	Recovery (%)						
102 86 76 66 56	1.00 2.00 3.00 4.00 5.00			No Groundwater Encountered				

Client: Entec UK Limited
Engineer: James Ridehalgh
Date: 23/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: JSR
Checked By: P. Lewin

Remarks: 1. Installation details: 32mm HDPE Standpipe installed from GL to 5.00mbgl. Plain pipe from GL to 1.00mbgl and a slotted pipe from 1.00m to 5.00mbgl. Hole backfilled with bentonite from GL to 1.00mbgl and gravel from 1.00m to 5.00mbgl. Hole finished with a flush cover and gas tap.

Print Date: 22/09/2010

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Window Sample Record

WSE27
Sheet 1 of 1

Project: Bicester

Project ID: SI1622
Contractors ID:

Client: Entec UK Limited
Engineer: Sarah Pilkington

Ground Level:
Coordinates:

Description	Legend	Depth (m)	O.D. Level (m)	Sample Test Type	Sample Test Depth (m)	Remarks and Test Results	PID (ppm)	Installations
MADE GROUND: Light brown mottled orange and grey slightly sandy slightly gravelly clay, with fine rootlets and occasional cobbles. Gravel is subrounded fine to coarse flint and occasional cobbles of sandstone.				CS01	0.50-0.60		0.00	
		0.60						
Soft to firm slightly gravelly orange-grey CLAY. Gravel is subangular fine mudstone.				C1	1.20-2.00			
...From 1.50mbgl becoming firm and laminated.								
...From 1.90mbgl becoming stiff and brown.				C2	2.00-3.00			
				C3	3.00-4.00			
...From 3.50mbgl becoming stiff to very stiff and grey.								
		4.00						
Window Sample Complete at 4.00 m								

Drive Records

Diameter (mm)	To (m)	Recovery (%)
102	2.00	
86	3.00	
86	4.00	

Water Level Observations

Date	Water Strike (m)	Standing Time (Mins)	Standing Level (m)	Casing Depth (m)	Depth Sealed (m)
	No Groundwater Encountered				

Client: Entec UK Limited
Engineer: Sarah Pilkington
Date: 13/07/2010
Plant: Terrier
Drilled By: M. Earl
Logged By: PILKS
Checked By: P. Lewin

Remarks:
1. Starter pit dug from GL to 1.20mbgl.
2. Installation details: 32mm HDPE Standpipe installed from GL to 0.60mbgl. Plain pipe from GL to 0.30mbgl and a slotted pipe from 0.30m to 0.60mbgl. Hole backfilled with bentonite from GL 0.30mbgl, gravel from 0.30m to 0.60mbgl and bentonite from 0.60m to 4.00mbgl. Hole finished with a flush cover and gas tap.

Print Date: 21/09/2010

Annex B
Gas Monitoring Tables

4 Pages

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CIRIA C665 Ground Gas Risk Assessment

Situation B - Low Rise Housing With Gardens

Project Number:	26999	Site:	DSDC Bicester	Date:	26/08/2010

Monitoring Point	Flow Rate	Atmospheric Pressure	Methane		Carbon Dioxide	Oxygen	Carbon Monoxide	Hydrogen Sulphide	Methane GSV	Carbon Dioxide GSV	Traffic Light		Traffic Light Assessment	Water level	Depth Of Well	Volume Of Gas In Well	Notes
	(l/hr)	(mb)	(% v/v)	(% LEL)	(%)	(%)	(ppm)	(ppm)	(l/hr)	(l/hr)	GSV	Max. Conc.		(m bgl)	(m)	(m^3)	
WSD02	0	996	0		1.4	19.6			0	0	Green	Green	**Green**				21/07/2010
WSD02	0.2	1010	0		1.4	19.7			0	0.0028	Green	Green	**Green**				23/07/2010
WSD02	0	1007	0		1.3	19.9			0	0	Green	Green	**Green**				29/07/2010
WSD02	0	998	0		0.6	20.1			0	0	Green	Green	**Green**				04/08/2010
WSD02	0	1006	0		1	19.8			0	0	Green	Green	**Green**				13/08/2010
WSD02	0	997	0		0	20.7			0	0	Green	Green	**Green**				18/08/2010
WSD07	0	996	0		0	20.3			0	0	Green	Green	**Green**				21/07/2010
WSD07	0	1010	0		0	20.2			0	0	Green	Green	**Green**				23/07/2010
WSD07	0	1007	0		0	20.4			0	0	Green	Green	**Green**				29/07/2010
WSD07	0	1001	0		0	20.2			0	0	Green	Green	**Green**				04/08/2010
WSD07	0	1006	0		0	20			0	0	Green	Green	**Green**				13/08/2010
WSD07	0	996	0		0.1	20.6			0	0	Green	Green	**Green**				18/08/2010
																	21/07/2010
WSD05	0	1010	0		0.9	18.9			0	0	Green	Green	**Green**				23/07/2010
WSD05	0	1007	0		0.8	19.3			0	0	Green	Green	**Green**				29/07/2010
WSD05	0	1000	0		0.1	20.2			0	0	Green	Green	**Green**				04/08/2010
WSD05	0	1006	0		0	20.1			0	0	Green	Green	**Green**				13/08/2010
WSD05	0	996	0		0	20.8			0	0	Green	Green	**Green**				18/08/2010
WSD03	0	996	0		1	18.7			0	0	Green	Green	**Green**				21/07/2010
WSD03	0	1010	0		0	20.2			0	0	Green	Green	**Green**				23/07/2010
WSD03	0.3	1007	0		0	20.4			0	0	Green	Green	**Green**				29/07/2010
WSD03	0	1000	0		0.1	20.1			0	0	Green	Green	**Green**				04/08/2010
WSC03	0	1006	0		0	20.2			0	0	Green	Green	**Green**				13/08/2010
WSD03	0	996	0		0.4	20			0	0	Green	Green	**Green**				18/08/2010
WSD09	0	995	0		0.3	19.7			0	0	Green	Green	**Green**				21/07/2010
WSD09	0	1010	0		0	20.3			0	0	Green	Green	**Green**				23/07/2010
WSD09	0	1007	0		0	20.4			0	0	Green	Green	**Green**				29/07/2010
WSD09	0	1000	0		0	20.1			0	0	Green	Green	**Green**				04/08/2010
WSD09	0	1006	0		0.4	20			0	0	Green	Green	**Green**				13/08/2010
WSD09	0	996	0		0.2	20.2			0	0	Green	Green	**Green**				18/08/2010
WSD10	0	995	0		0.5	19.9			0	0	Green	Green	**Green**				21/07/2010
WSD10	0	1010	0		0.5	20.1			0	0	Green	Green	**Green**				23/07/2010
WSD10	0	1007	0		0.4	20.2			0	0	Green	Green	**Green**				29/07/2010
WSD10	0	1000	0		0.5	19.8			0	0	Green	Green	**Green**				04/08/2010
WSD10	-0.2	1006	0		1.7	19.2			0	0	Green	Green	**Green**				13/08/2010
WSD10	0	996	0		1.4	19.5			0	0	Green	Green	**Green**				18/08/2010
WSD12	0	995	0		0.6	19.6			0	0	Green	Green	**Green**				21/07/2010
WSD12	0	1010	0		0.2	20.3			0	0	Green	Green	**Green**				23/07/2010
WSD12	0	1007	0		0	20.6			0	0	Green	Green	**Green**				29/07/2010
WSD12	0	1000	0		0.5	19.9			0	0	Green	Green	**Green**				04/08/2010
WSD12	0	1006	0		0.3	20			0	0	Green	Green	**Green**				13/08/2010
WSD12	0	996	0		0.2	20.4			0	0	Green	Green	**Green**				18/08/2010

CIRIA C665 Ground Gas Risk Assessment

Situation B - Low Rise Housing With Gardens

Project Number:	26999	Site:	DSDC Bicester	Date:	26/08/2010

Monitoring Point	Flow Rate	Atmospheric Pressure	Methane		Carbon Dioxide	Oxygen	Carbon Monoxide	Hydrogen Sulphide	Methane GSV	Carbon Dioxide GSV	Traffic Light		Traffic Light Assessment	Water level	Depth Of Well	Volume Of Gas In Well	Notes
	(l/hr)	(mb)	(% v/v)	(% LEL)	(%)	(%)	(ppm)	(ppm)	(l/hr)	(l/hr)	GSV	Max. Conc.		(m bgl)	(m)	(m^3)	
BHD01	0	996	0		0.2	19.7			0	0	Green	Green	**Green**				21/07/2010
BHD01	0	1009	0		0.7	19.8			0	0	Green	Green	**Green**				23/07/2010
BHD01	0	1006	0		0.2	20.2			0	0	Green	Green	**Green**				29/07/2010
BHD01	0	1003	0		5.2	18.5			0	0	Green	Amber 1	**Amber 1**				04/08/2010
BHD01	0	1006	0		0	20.3			0	0	Green	Green	**Green**				13/08/2010
BHD01	0	996	0		3.7	19.3			0	0	Green	Green	**Green**				18/08/2010
WSD15	0	996	0		0.2	19.6			0	0	Green	Green	**Green**				21/07/2010
WSD15	0	1009	0		0.1	20.4			0	0	Green	Green	**Green**				23/07/2010
WSD15	0	1006	0		1	19			0	0	Green	Green	**Green**				29/07/2010
WSD15	0	1003	0		0.2	20			0	0	Green	Green	**Green**				04/08/2010
WSD15	0	1006	0		0	20.2			0	0	Green	Green	**Green**				13/08/2010
WSD15	0	996	0		0.5	20			0	0	Green	Green	**Green**				18/08/2010
WSD14	0	996	0		0	19.8			0	0	Green	Green	**Green**				21/07/2010
WSD14	0	1009	0		0	20.3			0	0	Green	Green	**Green**				23/07/2010
WSD14	0	1006	0		0	20			0	0	Green	Green	**Green**				29/07/2010
WSD14	0	1003	0		0.1	20.2			0	0	Green	Green	**Green**				04/08/2010
WSD14	0	1006	0		0	20.3			0	0	Green	Green	**Green**				13/08/2010
WSD14	0	996	0		0	20.4			0	0	Green	Green	**Green**				18/08/2010

CIRIA C665 Ground Gas Risk Assessment

Situation B - Low Rise Housing With Gardens

Project Number:	26999	Site:	DSDC Bicester	Date:	26/08/2010

Monitoring Point	Flow Rate	Atmospheric Pressure	Methane		Carbon Dioxide	Oxygen	Carbon Monoxide	Hydrogen Sulphide	Methane GSV	Carbon Dioxide GSV	Traffic Light		Traffic Light Assessment	Water level	Depth Of Well	Volume Of Gas In Well	Notes
	(l/hr)	(mb)	(% v/v)	(% LEL)	(%)	(%)	(ppm)	(ppm)	(l/hr)	(l/hr)	GSV	Max. Conc.		(m bgl)	(m)	(m^3)	
WSE17	0	997	0		0.1	20.4			0	0	Green	Green	**Green**				21/07/2010
WSE17	0.2	1009	0		0	20.4			0	0	Green	Green	**Green**				23/07/2010
WSE17	0	1007	0		0	20.4			0	0	Green	Green	**Green**				29/07/2010
WSE17	0	995	0		1.2	19.2			0	0	Green	Green	**Green**				04/08/2010
WSE17	0	1006	0		0	20.4			0	0	Green	Green	**Green**				13/08/2010
WSE17	0	996	0		0	20.8			0	0	Green	Green	**Green**				18/08/2010
WSE02									0	0	-	-					21/07/2010
WSE02	0	1011	0		0.6	19.8			0	0	Green	Green	**Green**				23/07/2010
WSE02	0	1007	0		0	20.5			0	0	Green	Green	**Green**				29/07/2010
WSE02	0	996	0		0	20.3			0	0	Green	Green	**Green**				04/08/2010
WSE02	0	1006	0		0.3	20.1			0	0	Green	Green	**Green**				13/08/2010
WSE02	0	996	0		1.2	19.9			0	0	Green	Green	**Green**				18/08/2010
WSE19	0	997	0		0.3	20.1			0	0	Green	Green	**Green**				21/07/2010
WSE19	0	1009	0		0.4	19.9			0	0	Green	Green	**Green**				23/07/2010
WSE19									0	0	-	-					29/07/2010
WSE19	0	1001	0		0.1	20.1			0	0	Green	Green	**Green**				04/08/2010
WSE19	0	1007	0		0	20.1			0	0	Green	Green	**Green**				13/08/2010
WSE19	0	996	0		0.1	19.7			0	0	Green	Green	**Green**				18/08/2010
WSE10	0	997	0		2.5	16.1			0	0	Green	Green	**Green**				21/07/2010
WSE10	0	1009	0		4.5	15.9			0	0	Green	Green	**Green**				23/07/2010
WSE10	0	1007	0		6.2	15.9			0	0	Green	Amber 1	**Amber 1**				29/07/2010
WSE10	0	996	0		5.8	16.2			0	0	Green	Amber 1	**Amber 1**				04/08/2010
WSE10	-0.6	1006	0		5.6	16.3			0	0	Green	Amber 1	**Amber 1**				13/08/2010
WSE10	0	997	0		6.3	16.1			0	0	Green	Amber 1	**Amber 1**				18/08/2010
WSE09	0	997	0		1.9	18.9			0	0	Green	Green	**Green**				21/07/2010
WSE09	0	1009	0		1.9	18.6			0	0	Green	Green	**Green**				23/07/2010
WSE09	0	1007	0		1.7	19.1			0	0	Green	Green	**Green**				29/07/2010
WSE09	0	996	0		1.6	19			0	0	Green	Green	**Green**				04/08/2010
WSE09	0	1006	0		2	18.6			0	0	Green	Green	**Green**				13/08/2010
WSE09	0	997	0		2.1	19.2			0	0	Green	Green	**Green**				18/08/2010
WSE08	0	997	0		0.3	20			0	0	Green	Green	**Green**				21/07/2010
WSE08	0.1	1009	0		0.7	19.5			0	0.0007	Green	Green	**Green**				23/07/2010
WSE08	0	1007	0		0.5	20.1			0	0	Green	Green	**Green**				29/07/2010
WSE08	0	996	0		0.3	20.1			0	0	Green	Green	**Green**				04/08/2010
WSE08	-0.2	1006	0		0.3	19.8			0	0	Green	Green	**Green**				13/08/2010
WSE08	0	997	0		0.2	20.6			0	0	Green	Green	**Green**				18/08/2010
WSE21									0	0	-	-					21/07/2010
WSE21	0	1010	0		1	19.5			0	0	Green	Green	**Green**				23/07/2010
WSE21	0	1007	0		1.4	18.2			0	0	Green	Green	**Green**				29/07/2010
WSE21	0	997	0		1.6	18.4			0	0	Green	Green	**Green**				04/08/2010
WSE21	0	1006	0		1.6	18.4			0	0	Green	Green	**Green**				13/08/2010
WSE21	0	997	0		1.7	19			0	0	Green	Green	**Green**				18/08/2010

CIRIA C665 Ground Gas Risk Assessment

Situation B - Low Rise Housing With Gardens

Project Number:	26999	Site:	DSDC Bicester	Date:	26/08/2010

Monitoring Point	Flow Rate	Atmospheric Pressure	Methane		Carbon Dioxide	Oxygen	Carbon Monoxide	Hydrogen Sulphide	Methane GSV	Carbon Dioxide GSV	Traffic Light		Traffic Light Assessment	Water level	Depth Of Well	Volume Of Gas In Well	Notes
	(l/hr)	(mb)	(% v/v)	(% LEL)	(%)	(%)	(ppm)	(ppm)	(l/hr)	(l/hr)	GSV	Max. Conc.		(m bgl)	(m)	(m^3)	
BHE02	0	996	0		0.4	19.6			0	0	Green	Green	**Green**				21/07/2010
BHE02	0	1009	0		0.6	19.6			0	0	Green	Green	**Green**				23/07/2010
BHE02									0	0	-	-					29/07/2010
BHE02	0	1001	0		0.3	19.7			0	0	Green	Green	**Green**				04/08/2010
BHE02	0	1007	0		0.3	20			0	0	Green	Green	**Green**				13/08/2010
BHE02	0	996	0		0.7	19.4			0	0	Green	Green	**Green**				18/08/2010
BHE01	0	996	0		1	19.4			0	0	Green	Green	**Green**				21/07/2010
BHE01	0	1009	0		1.5	19.4			0	0	Green	Green	**Green**				23/07/2010
BHE01									0	0	-	-					29/07/2010
BHE01	0	1001	0		1	19.5			0	0	Green	Green	**Green**				04/08/2010
BHE01	-0.7	1007	0		0	20.2			0	0	Green	Green	**Green**				13/08/2010
BHE01	0	996	0		0.4	19.7			0	0	Green	Green	**Green**				18/08/2010
WSE04	0	1007	0		0.5	19.9			0	0	Green	Green	**Green**				29/07/2010
WSE04	0	996	0		1.1	19.3			0	0	Green	Green	**Green**				04/08/2010
WSE04	0	1006	0		1.1	19.3			0	0	Green	Green	**Green**				13/08/2010
WSE04	0	996	0		0.7	20			0	0	Green	Green	**Green**				18/08/2010
WSE24									0	0	-	-					29/07/2010
WSE24	0	996	0		1.8	18.7			0	0	Green	Green	**Green**				04/08/2010
WSE24	0	1006	0		1.5	19			0	0	Green	Green	**Green**				13/08/2010
WSE24	0	997	0		1.6	19.5			0	0	Green	Green	**Green**				18/08/2010
WSE25	0	1007	0		0.2	20.1			0	0	Green	Green	**Green**				29/07/2010
WSE25	0	996	0		0	20.6			0	0	Green	Green	**Green**				04/08/2010
WSE25	0	1006	0		0	20.3			0	0	Green	Green	**Green**				13/08/2010
WSE25	0	997	0		0	20.8			0	0	Green	Green	**Green**				18/08/2010
WSE26	0	1007	0		0	20.1			0	0	Green	Green	**Green**				29/07/2010
WSE26	0	996	0		0.4	20.4			0	0	Green	Green	**Green**				04/08/2010
WSE26	0	1006	0		0	20.3			0	0	Green	Green	**Green**				13/08/2010
WSE26	0	996	0		0.1	20.6			0	0	Green	Green	**Green**				18/08/2010
WSE22	0	1007	0		2.2	18.2			0	0	Green	Green	**Green**				29/07/2010
WSE22	0	997	0		3.1	18			0	0	Green	Green	**Green**				04/08/2010
WSE22	0	1006	0		2.7	18.2			0	0	Green	Green	**Green**				13/08/2010
WSE22	0	997	0		2.4	19.3			0	0	Green	Green	**Green**				18/08/2010
WSE23	0	1007	0		0.4	20.2			0	0	Green	Green	**Green**				29/07/2010
WSE23	0	997	0		3.3	18.8			0	0	Green	Green	**Green**				04/08/2010
WSE23	1	1006	0		2.9	18.3			0	0.029	Green	Green	**Green**				13/08/2010
WSE23	0	997	0		2.5	19.4			0	0	Green	Green	**Green**				18/08/2010

Annex C
Water Monitoring Data

6 Pages

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Water Monitoring Records

Site:	26999 Bicester, Oxfordshire
Data Description:	Monitoring Well Records - 1st Round 21/07/10
Completed By:	Nick Huyg
Checked By:	Steve Dooley

Groundwater Monitoring

	Date	Water Level	Depth	Water Column	Comments
Exploratory Hole		mbgl	mbgl	m	
BHD01	21/07/2010	0.8	4.40	3.6	
BHE01	21/07/2010	5.36	5.61	0.25	
BHE02	21/07/2010	1.46	2.53	1.07	
WSD02	21/07/2010	3.33	3.42	0.09	
WSD03	21/07/2010	0.82	1.19	0.37	
WSD05	21/07/2010	-	-	N/A	Unable to locate/access
WSD07	21/07/2010	1.23	2.66	1.43	
WSD09	21/07/2010	2.03	5.00	2.97	
WSD10	21/07/2010	1.14	2.03	0.89	
WSD12	21/07/2010	1.69	3.94	2.25	
WSD14	21/07/2010	0.65	4.70	4.05	
WSD15	21/07/2010	0.28	3.79	3.51	
WSE08	21/07/2010	Dry	1.39	N/A	DRY
WSE09	21/07/2010	Dry	1.07	N/A	DRY
WSE10	21/07/2010	1.71	3.46	1.75	
WSE17	21/07/2010	0.52	3.15	2.63	
WSE19	21/07/2010	Dry	0.71	N/A	DRY

Observation of HC contamination

Surface Water Monitoring

		pH	Conductivity	Dissolved Oxygen	Dissolved Oxygen	Temperature	Comments
Exploratory Hole	**Date**		µS/cm	mg/l	%	˚C	
SWE01	21/07/2010	7.79	949	7.6	86.9	21.6	
SWE05	21/07/2010	7.75	1054	7.8	78.8	17.3	
SWD06	21/07/2010	7.4	1170	2.9	31.3	19.4	
SWD09	21/07/2010	6.6	1357	4.5	50.2	21.8	

Water Monitoring Records

Site:	26999 Bicester, Oxfordshire
Data Description:	Monitoring Well Records - 2nd Round 23/07/10
Completed By:	Nick Huyg
Checked By:	Steve Dooley

Groundwater Monitoring

		Water Level	Depth	Water Column	Comments
Exploratory Hole	**Date**	mbgl	mbgl	m	
BHD01	29/07/2010	0.81	4.42	3.61	
BHE01	29/07/2010	5.36	5.72	0.36	
BHE02	29/07/2010	1.56	2.7	1.14	
WSD02	29/07/2010	2.84	3.42	0.58	
WSD03	29/07/2010	0.37	3.00	2.63	
WSD05	29/07/2010	0.77	1.20	0.43	
WSD07	29/07/2010	1.25	2.66	1.41	
WSD09	29/07/2010	2.05	4.99	2.94	
WSD10	29/07/2010	1.26	2.03	0.77	
WSD12	29/07/2010	1.77	3.93	2.16	
WSD14	29/07/2010	0.7	4.73	4.03	
WSD15	29/07/2010	0.5	3.92	3.42	
WSE02	29/07/2010	DRY	1.30	N/A	DRY
WSE08	29/07/2010	DRY	1.37	N/A	DRY
WSE09	29/07/2010	DRY	1.08	N/A	DRY
WSE10	29/07/2010	1.7	3.45	1.75	
WSE17	29/07/2010	0.58	3.10	2.52	
WSE19	29/07/2010	DRY	0.50	N/A	DRY
WSE21	29/07/2010	DRY	1.75	N/A	DRY

Observation of HC contamination

Water Monitoring Records

Site:	26999 Bicester, Oxfordshire
Data Description:	Monitoring Well Records - 3rd Round 29/07/10
Completed By:	Nick Huyg
Checked By:	Steve Dooley

Groundwater Monitoring

Exploratory Hole	Date	Water Level	Depth	Water Column	Comments
		mbgl	mbgl	m	
BHD01	29/07/2010	0.85	4.40	3.55	
BHE01	29/07/2010	-	-	N/A	No access to OSU possible
BHE02	29/07/2010	-	-	N/A	No access to OSU possible
WSD02	29/07/2010	1.94	3.45	1.51	
WSD03	29/07/2010	0.72	3.02	2.3	Water observed to be foamy
WSD05	29/07/2010	0.74	1.20	0.46	
WSD07	29/07/2010	1.3	2.68	1.38	
WSD09	29/07/2010	2.1	5.01	2.91	Water observed to be foamy
WSD10	29/07/2010	1.27	2.04	0.77	
WSD12	29/07/2010	1.8	3.95	2.15	
WSD14	29/07/2010	0.78	4.47	3.69	
WSD15	29/07/2010	0.5	2.10	1.6	
WSE02	29/07/2010	DRY	2.42	N/A	DRY
WSE04	29/07/2010	1.91	2.51	0.6	
WSE08	29/07/2010	DRY	1.41	N/A	DRY
WSE09	29/07/2010	DRY	1.09	N/A	DRY
WSE10	29/07/2010	1.74	3.46	1.72	Brown silty water no sheen
WSE17	29/07/2010	0.74	3.15	2.41	Hydrocarbon odour
WSE19	29/07/2010	-	-	N/A	No access to OSU possible
WSE21	29/07/2010	DRY	1.79	N/A	DRY
WSE22	29/07/2010	DRY	2.16	N/A	DRY
WSE23	29/07/2010	DRY	1.12	N/A	DRY
WSE24	29/07/2010	-	-	N/A	No access possible on day of sampling
WSE25	29/07/2010	1.26	4.92	3.66	
WSE26	29/07/2010	0.93	4.94	4.01	Creamy coloured water - no smell or sheen

Observation of HC contamination

Surface Water Monitoring

		pH	Conductivity	Dissolved Oxygen	Dissolved Oxygen	Temperature	Comments
Exploratory Hole	**Date**		µS/cm	mg/l	%	˚C	
SWE01	29/07/2010	7.58	837	5.3	55.4	17.5	
SWE05	29/07/2010	-	-	-	-	-	DRY
SWD06	29/07/2010	-	-	-	-	-	DRY
SWD09	29/07/2010	-	-	-	-	-	DRY

Water Monitoring Records

Site:	26999 Bicester, Oxfordshire
Data Description:	Monitoring Well Records - 4th Round 04/08/10
Completed By:	Nick Huyg
Checked By:	Steve Dooley

Groundwater Monitoring

Exploratory Hole	Date	Water Level	Depth	Water Column	Comments
		mbgl	mbgl	m	
BHD01	04/08/2010	0.84	4.39	3.55	Water observed to be foamy
BHE01	04/08/2010	4.4	5.73	1.33	
BHE02	04/08/2010	1.61	2.69	1.08	
WSD02	04/08/2010	0.73	3.72	2.99	
WSD03	04/08/2010	0.59	3.00	2.41	Water observed to be foamy
WSD05	04/08/2010	0.66	1.17	0.51	
WSD07	04/08/2010	1.3	2.66	1.36	
WSD09	04/08/2010	2.05	4.98	2.93	Water observed to be foamy
WSD10	04/08/2010	1.23	2.00	0.77	
WSD12	04/08/2010	0.74	4.69	3.95	
WSD14	04/08/2010	0.51	2.83	2.32	
WSD15	04/08/2010	1.73	3.92	2.19	
WSE02	04/08/2010	2.31	2.40	0.09	
WSE04	04/08/2010	1.6	2.49	0.89	
WSE08	04/08/2010	DRY	1.39	N/A	DRY
WSE09	04/08/2010	DRY	1.09	N/A	DRY
WSE10	04/08/2010	1.73	3.39	1.66	
WSE17	04/08/2010	0.79	3.15	2.36	Hydrocarbon odour
WSE19	04/08/2010	DRY	0.73	N/A	DRY
WSE21	04/08/2010	DRY	1.75	N/A	DRY
WSE22	04/08/2010	DRY	2.18	N/A	DRY
WSE23	04/08/2010	DRY	1.10	N/A	DRY
WSE24	04/08/2010	1.81	4.80	2.99	
WSE25	04/08/2010	1.17	4.90	3.73	
WSE26	04/08/2010	0.94	4.91	3.97	

Observation of HC contamination

Surface Water Monitoring

		pH	Conductivity	Dissolved Oxygen	Dissolved Oxygen	Temperature	Comments
Exploratory Hole	**Date**		µS/cm	mg/l	%	˚C	
SWE01	04/08/2010	7.35	854	3.9	41.1	17.3	
SWE05	04/08/2010	7.77	265	7.7	79.1	17.1	
SWD06	04/08/2010	7.6	786	2.6	24.3	13.1	
SWD09	04/08/2010	6.8	246	3.6	35.9	15.8	

Water Monitoring Records

Site:	26999 Bicester, Oxfordshire
Data Description:	Monitoring Well Records - 5th Round 13/08/10
Completed By:	Nick Huyg
Checked By:	Steve Dooley

Groundwater Monitoring

Exploratory Hole	Date	Water Level	Depth	Water Column	Comments
		mbgl	mbgl	m	
BHD01	13/08/2010	0.82	4.40	3.58	
BHE01	13/08/2010	3.87	5.75	1.88	
BHE02	13/08/2010	1.55	2.67	1.12	
WSD02	13/08/2010	0.92	3.44	2.52	
WSD03	13/08/2010	0.67	3.01	2.34	
WSD05	13/08/2010	0.67	1.20	0.53	
WSD07	13/08/2010	1.22	2.64	1.42	
WSD09	13/08/2010	2.1	5.02	2.92	
WSD10	13/08/2010	1.3	2.03	0.73	
WSD12	13/08/2010	1.73	3.93	2.2	
WSD14	13/08/2010	0.72	4.65	3.93	
WSD15	13/08/2010	0.54	3.11	2.57	
WSE02	13/08/2010	2.26	2.42	0.16	
WSE04	13/08/2010	1.46	2.48	1.02	
WSE08	13/08/2010	1.03	1.39	0.36	
WSE09	13/08/2010	DRY	1.08	N/A	DRY
WSE10	13/08/2010	1.7	3.39	1.69	
WSE17	13/08/2010	0.65	3.16	2.51	
WSE19	13/08/2010	DRY	0.70	N/A	DRY
WSE21	13/08/2010	DRY	1.78	N/A	DRY
WSE22	13/08/2010	DRY	2.16	N/A	DRY
WSE23	13/08/2010	DRY	1.10	N/A	DRY
WSE24	13/08/2010	1.85	4.84	2.99	
WSE25	13/08/2010	1.19	4.92	3.73	
WSE26	13/08/2010	0.93	4.93	4.00	

Observation of HC contamination

Water Monitoring Records

Site:	26999 Bicester, Oxfordshire
Data Description:	Monitoring Well Records - 6th Round 18/08/10
Completed By:	Nick Huyg
Checked By:	Steve Dooley

Groundwater Monitoring

Exploratory Hole	Date	Water Level	Depth	Water Column	Comments
		mbgl	mbgl	m	
BHD01	18/08/2010	0.84	4.40	3.56	
BHE01	18/08/2010	3.62	5.73	2.11	
BHE02	18/08/2010	1.46	2.70	1.24	
WSD02	18/08/2010	0.8	3.42	2.62	
WSD03	18/08/2010	0.6	3.00	2.4	
WSD05	18/08/2010	0.63	1.20	0.57	
WSD07	18/08/2010	1.21	2.66	1.45	
WSD09	18/08/2010	2.06	5.00	2.94	
WSD10	18/08/2010	1.17	2.03	0.86	
WSD12	18/08/2010	1.66	3.92	2.26	
WSD14	18/08/2010	0.7	4.66	3.96	
WSD15	18/08/2010	0.49	3.09	2.6	
WSE02	18/08/2010	2.23	2.40	0.17	
WSE04	18/08/2010	1.38	2.50	1.12	
WSE08	18/08/2010	0.55	1.40	0.85	
WSE09	18/08/2010	DRY	1.08	N/A	DRY
WSE10	18/08/2010	1.66	2.33	0.67	
WSE17	18/08/2010	0.56	3.15	2.59	
WSE19	18/08/2010	DRY	0.40	N/A	DRY
WSE21	18/08/2010	DRY	1.77	N/A	DRY
WSE22	18/08/2010	DRY	2.16	N/A	DRY
WSE23	18/08/2010	DRY	1.10	N/A	DRY
WSE24	18/08/2010	1.82	4.82	3	
WSE25	18/08/2010	1.18	4.90	3.72	
WSE26	18/08/2010	0.91	4.93	4.02	

Observation of HC contamination

Surface Water Monitoring

		pH	Conductivity	Dissolved Oxygen	Dissolved Oxygen	Temperature	Comments
Exploratory Hole	**Date**		µS/cm	mg/l	%	˚C	
SWE10	18/08/2010	7.72	719	8.98	89.4	14.9	
SWD08	18/08/2010	7.41	884	7.5	77.7	17.2	
SWD09	18/08/2010	7.17	116	6.1	66.1	18.1	

Annex D
Screened Laboratory Data

55 Pages

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Data Summary Statistics

Site:	DSDC Bicester - Site D	**Project No:**	26999
Data Description:	Groundwater and Surface water	**SOM (%):**	na
Land Use:	MOD Storage and Distribution	**Completed By:**	MIFFL
Receptor:	Controlled Waters	**Checked By:**	

Assessment Criteria Key
x) Laboratory limit of detection
DWS = Drinking Water Standard
EQS = Env. Quality Standard
WHO - World Health Organisation Standard

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics: Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	Sample Identifiers and Analytical Data: BHD1 GW 05/08/2010 Zone 1	BHD1 GW 18/08/2010 Zone 1
Inorganics					0	0	0	0	-	-	0		
Alkalinity, Total as CaCO3	mg/l	<2	-	-	0	0	0	0	-	-	-	-	
Ammoniacal Nitrogen as NH4	mg/l	<0.3	0.5	DWS	2	2	1.48	1.83	1.655	0.247487373	2	1.83	1.48
Conductivity @ 20 deg.C	mS/cm	<0.014	-	-	0	0	0	0	-	-	-	-	
Sulphate	mg/l	<3	400	EQS	2	2	2140	2140	2140	0	2	2140	2140
Chloride	mg/l	<2	250	EQS	2	2	46.7	66.7	56.7	14.14213562	0	66.7	46.7
pH	pH Units	<1	-	-	2	2	7.63	7.99	7.81	0.254558441	-	7.99	7.63
Filtered (Dissolved) Metals					0	0	0	0	-	-	0		
Arsenic (diss.filt)	mg/l	<0.00012	0.05	EQS	2	2	0.00462	0.0067	0.00566	0.001470782	0	0.00462	0.0067
Boron (diss.filt)	mg/l	<0.0094	2	EQS	2	2	0.948	2.08	1.514	0.800444876	1	0.948	2.08
Cadmium (diss.filt)	mg/l	<0.0001	0.05	EQS	2	2	0.000151	0.000295	0.000223	0.000101823	0	0.000295	0.000151
Chromium (diss.filt)	mg/l	<0.00022	0.05	EQS	2	2	0.0211	0.0263	0.0237	0.003676955	0	0.0211	0.0263
Copper (diss.filt)	mg/l	<0.00085	0.01	EQS	2	2	0.00613	0.00663	0.00638	0.000353553	0	0.00613	0.00663
Lead (diss.filt)	mg/l	<0.00002	0.02	EQS	2	2	0.000346	0.000793	0.0005695	0.000316077	0	0.000346	0.000793
Nickel (diss.filt)	mg/l	<0.00015	0.2	EQS	2	2	0.115	0.129	0.122	0.009899495	0	0.129	0.115
Selenium (diss.filt)	mg/l	<0.00039	0.01	DWS	2	2	0.00922	0.0107	0.00996	0.001046518	1	0.00922	0.0107
Zinc (diss.filt)	mg/l	<0.00041	0.075	EQS	2	2	0.0252	0.039	0.0321	0.009758074	0	0.039	0.0252
Mercury (diss.filt)	mg/l	<0.00001	0.001	EQS	2	0	0.00001	0.00001	-	-	0	<0.00001	<0.00001
Gasoline Range Organics (GF					0	0	0	0	-	-	0		
Aliphatics >C5-C6	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-
Aliphatics >C6-C8	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-
Aliphatics >C8-C10	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-
Aliphatics >C10-C12	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-
Total Aliphatics >C5-C12	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-
Aromatics >C6-C7	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-
Aromatics >C7-C8	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-
Aromatics >EC8-EC10	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-
Aromatics >EC10-EC12	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-
Total Aromatics >C6-C12	mg/l	<0.01	-	-	1	0	0.01	0.01	-	-	-	<0.01	-
GRO Surrogate % recovery**	%		-	-	1	1	96	96	96	-	-	96	-
Benzene	mg/l	<0.007	0.3	EQS	2	0	0.007	0.007	-	-	0	<0.007	<0.007
Toluene	mg/l	<0.004	0.05	EQS	2	0	0.004	0.004	-	-	0	<0.004	<0.004
Ethylbenzene	mg/l	<0.005	0.3	WHO Health	2	0	0.005	0.005	-	-	0	<0.005	<0.005
m,p-Xylene	mg/l	<0.008	-	x	2	0	0.008	0.008	-	-	0	<0.008	<0.008
o-Xylene	mg/l	<0.003	-	x	2	0	0.003	0.003	-	-	0	<0.003	<0.003
m,p,o-Xylene	mg/l	<0.01	0.03	EQS	2	0	0.01	0.01	-	-	0	<0.01	<0.01
BTEX, Total	mg/l	<0.01	-	-	2	0	0.01	0.01	-	-	-	<0.01	<0.01
Methyl tertiary butyl ether (MTBE)	mg/l	<0.003	-	-	2	0	0.003	0.003	-	-	-	<0.003	<0.003
GRO >C5-C6	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	-	<0.01
GRO >C6-C7	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	-	<0.01
GRO >C7-C8	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	-	<0.01
GRO >C8-C10	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	-	<0.01
GRO >C5-C12	mg/l	<0.05	-		2	0	0.05	0.05	-	-	0	<0.05	<0.05
GRO >C10-C12	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	-	<0.01
Extractable Petroleum Hydroc					0	0	0	0	-	-	0		
EPH Range >C10 - C40 (aq)	mg/l	<0.046	-	-	1	0	0.046	0.046	-	-	-	-	<0.046
EPH Band >C10-C12 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	-	<0.01
EPH Band >C12-C16 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	-	<0.01
EPH Band >C16-C21 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	-	<0.01
EPH Band >C21-C28 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	-	<0.01
EPH Band >C35-C40 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	-	<0.01
EPH Band >C28-C35 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	-	<0.01
Speciated EPH CWG					0	0	0	0	-	-	0		
Aliphatics >C12-C16 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-
Aliphatics >C16-C21 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-
Aliphatics >C21-C35 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-
Total Aliphatics >C12-C35 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-
Aromatics >EC12-EC16 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-
Aromatics >EC16-EC21 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-
Aromatics >EC21-EC35 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-
Total Aromatics >EC12-EC35 (aq)	mg/l	<0.01	-	-	1	0	0.01	0.01	-	-	-	<0.01	-
Total Aliphatics & Aromatics >C12-C35 (Aqueo	mg/l	<0.01	-	-	1	0	0.01	0.01	-	-	-	<0.01	-
TPH Criteria Working Group (					0	0	0	0	-	-	0		
Total Aliphatics & Aromatics >C5-35 (aq)	mg/l	<0.01	-	-	1	0	0.01	0.01	-	-	-	<0.01	-
Total Aliphatics >C5-C35 (aq)	mg/l	<0.01	-	-	1	0	0.01	0.01	-	-	-	<0.01	-
Total Aromatics >C6-C35 (aq)	mg/l	<0.01	-	-	1	0	0.01	0.01	-	-	-	<0.01	-

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data				
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	BHD1 GW 05/08/2010 Zone 1	BHD1 GW 18/08/2010 Zone 1			
Polyaromatic Hydrocarbons (					0	0	0	0	-	-	0					
Naphthalene (aq)	mg/l	<0.0001	0.01	EQS	2	1	0.0001	0.000134	0.000117	-	0	0.000134	<0.0001			
Acenaphthene (aq)	mg/l	<0.000015	0.0001	DWS	2	2	0.000041	0.000082	0.0000615	2.89914E-05	0	0.000082	0.000041			
Acenaphthylene (aq)	mg/l	<0.000011	0.0001	DWS	2	0	0.000011	0.000011	-	-	0	<0.000011	<0.000011			
Fluoranthene (aq)	mg/l	<0.000014	0.0001	DWS	2	2	0.000031	0.000181	0.000106	0.000106066	1	0.000181	0.000031			
Anthracene (aq)	mg/l	<0.000015	0.0001	DWS	2	2	0.000022	0.000039	0.0000305	1.20208E-05	0	0.000039	0.000022			
Phenanthrene (aq)	mg/l	<0.000022	0.0001	DWS	2	2	0.000056	0.000131	0.0000935	5.3033E-05	1	0.000131	0.000056			
Fluorene (aq)	mg/l	<0.000014	0.0001	DWS	2	2	0.000025	0.000041	0.000033	1.13137E-05	0	0.000041	0.000025			
Chrysene (aq)	mg/l	<0.000013	0.0001	DWS	2	1	0.000013	0.000035	0.000024	-	0	0.000035	<0.000013			
Pyrene (aq)	mg/l	<0.000015	0.0001	DWS	2	2	0.000026	0.000155	0.0000905	9.12168E-05	1	0.000155	0.000026			
Benzo(a)anthracene (aq)	mg/l	<0.000017	0.0001	DWS	2	2	0.000022	0.000083	0.0000525	4.31335E-05	0	0.000083	0.000022			
Benzo(b)fluoranthene (aq)	mg/l	<0.000023	0.0001	DWS	2	1	0.000023	0.000101	0.000062	-	1	0.000101	<0.000023			
Benzo(k)fluoranthene (aq)	mg/l	<0.000027	0.0001	DWS	2	1	0.000027	0.000105	0.000066	-	1	0.000105	<0.000027			
Benzo(a)pyrene (aq)	mg/l	<0.000009	0.00001	DWS	2	2	0.000014	0.000125	0.0000695	7.84889E-05	2	0.000125	0.000014			
Dibenzo(a,h)anthracene (aq)	mg/l	<0.000016	0.0001	DWS	2	1	0.000016	0.000019	0.0000175	-	0	0.000019	<0.000016			
Benzo(g,h,i)perylene (aq)	mg/l	<0.000016	0.0001	DWS	2	1	0.000016	0.000065	0.0000405	-	0	0.000065	<0.000016			
Indeno(1,2,3-cd)pyrene (aq)	mg/l	<0.000014	0.0001	DWS	2	1	0.000014	0.000055	0.0000345	-	0	0.000055	<0.000014			
Polyaromatic hydrocarbons, Total USEPA 16 (a	mg/l	<0.0001	-	-	2	2	0.000237	0.00135	0.0007935	0.00078701	-	0.00135	0.000237			
Naphthalene-d8	%		-	-	2	2	100	100	100	0	-	100	100			
Acenaphthene-d10	%		-	-	2	2	100	100	100	0	-	100	100			
Phenanthrene-d10	%		-	-	2	2	100	100	100	0	-	100	100			
Chrysene-d12	%		-	-	2	2	100	100	100	0	-	100	100			
Perylene-d12	%		-	-	2	2	100	100	100	0	-	100	100			
Semi-Volatile Organic Compo					0	0	0	0	-	-	0					
1,2,4-Trichlorobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
1,2-Dichlorobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
1,3-Dichlorobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
1,4-Dichlorobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
2,4,5-Trichlorophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
2,4,6-Trichlorophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
2,4-Dichlorophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
2,4-Dimethylphenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
2,4-Dinitrotoluene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
2,6-Dinitrotoluene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
2-Chloronaphthalene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
2-Chlorophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
2-Methylnaphthalene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
2-Methylphenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
2-Nitroaniline (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
2-Nitrophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
3-Nitroaniline (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
4-Bromophenylphenylether (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
4-Chloro-3-methylphenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
4-Chloroaniline (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
4-Chlorophenylphenylether (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
4-Methylphenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
4-Nitrophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
4-Nitroaniline (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
Azobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
Acenaphthylene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Acenaphthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Anthracene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
bis(2-Chloroethyl)ether (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
bis(2-Chloroethoxy)methane (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
bis(2-Ethylhexyl) phthalate (aq)	mg/l	<0.002	-	-	1	0	0.002	0.002	-	-	-	<0.002	-			
Benzo(a)anthracene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Butylbenzyl phthalate (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
Benzo(b)fluoranthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Benzo(k)fluoranthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Benzo(a)pyrene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Benzo(g,h,i)perylene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Carbazole (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
Chrysene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Dibenzofuran (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
n-Dibutyl phthalate (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
Diethyl phthalate (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
Dibenzo(a,h)anthracene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Dimethyl phthalate (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
n-Dioctyl phthalate (aq)	mg/l	<0.005	-	-	1	0	0.005	0.005	-	-	-	<0.005	-			
Fluoranthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data				
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	BHD1 GW 05/08/2010 Zone 1	BHD1 GW 18/08/2010 Zone 1			
Fluorene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Hexachlorobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
Hexachlorobutadiene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
Pentachlorophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
Phenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
n-Nitroso-n-dipropylamine (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
Hexachloroethane (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
Nitrobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
Naphthalene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Isophorone (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
Hexachlorocyclopentadiene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
Phenanthrene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Indeno(1,2,3-cd)pyrene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
Pyrene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Volatile Organic Compounds					0	0	0	0	-	-	0					
Dibromofluoromethane**	%		-	-	1	1	96.4	96.4	96.4	-	-	96.4	-			
Toluene-d8**	%		-	-	1	1	96.9	96.9	96.9	-	-	96.9	-			
4-Bromofluorobenzene**	%		-	-	1	1	95.3	95.3	95.3	-	-	95.3	-			
Dichlorodifluoromethane	mg/l	<0.007	-	-	1	0	0.007	0.007	-	-	-	<0.007	-			
Chloromethane	mg/l	<0.009	-	-	1	0	0.009	0.009	-	-	-	<0.009	-			
Vinyl chloride	mg/l	<0.0012	0.0005	DWS	1	0	0.0012	0.0012	-	-	1	<0.0012	-			
Bromomethane	mg/l	<0.002	-	-	1	0	0.002	0.002	-	-	-	<0.002	-			
Chloroethane	mg/l	<0.0025	-	-	1	0	0.0025	0.0025	-	-	-	<0.0025	-			
Trichlorofluoromethane	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	<0.0013	-			
1,1-Dichloroethene	mg/l	<0.0012	-	-	1	0	0.0012	0.0012	-	-	-	<0.0012	-			
Carbon disulphide	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	<0.0013	-			
Dichloromethane	mg/l	<0.0037	-	-	1	0	0.0037	0.0037	-	-	-	<0.0037	-			
Methyl tertiary butyl ether (MTBE)	mg/l	<0.0016	-	-	1	0	0.0016	0.0016	-	-	-	<0.0016	-			
trans-1,2-Dichloroethene	mg/l	<0.0019	0.05	WHO Health	1	0	0.0019	0.0019	-	-	0	<0.0019	-			
1,1-Dichloroethane	mg/l	<0.0012	-	-	1	0	0.0012	0.0012	-	-	-	<0.0012	-			
cis-1,2-Dichloroethene	mg/l	<0.0023	0.05	WHO Health	1	0	0.0023	0.0023	-	-	0	<0.0023	-			
2,2-Dichloropropane	mg/l	<0.0038	-	-	1	0	0.0038	0.0038	-	-	-	<0.0038	-			
Bromochloromethane	mg/l	<0.0019	-	-	1	0	0.0019	0.0019	-	-	-	<0.0019	-			
Chloroform	mg/l	<0.0018	-	-	1	0	0.0018	0.0018	-	-	-	<0.0018	-			
1,1,1-Trichloroethane	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	<0.0013	-			
1,1-Dichloropropene	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	<0.0013	-			
Carbontetrachloride	mg/l	<0.0014	-	-	1	0	0.0014	0.0014	-	-	-	<0.0014	-			
1,2-Dichloroethane	mg/l	<0.0033	-	-	1	0	0.0033	0.0033	-	-	-	<0.0033	-			
Benzene	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	<0.0013	-			
Trichloroethene	mg/l	<0.0025	0.01	EQS	1	0	0.0025	0.0025	-	-	0	<0.0025	-			
1,2-Dichloropropane	mg/l	<0.003	-	-	1	0	0.003	0.003	-	-	-	<0.003	-			
Dibromomethane	mg/l	<0.0027	-	-	1	0	0.0027	0.0027	-	-	-	<0.0027	-			
Bromodichloromethane	mg/l	<0.0009	-	-	1	0	0.0009	0.0009	-	-	-	<0.0009	-			
cis-1,3-Dichloropropene	mg/l	<0.0019	-	-	1	0	0.0019	0.0019	-	-	-	<0.0019	-			
Toluene	mg/l	<0.0014	-	-	1	0	0.0014	0.0014	-	-	-	<0.0014	-			
trans-1,3-Dichloropropene	mg/l	<0.0035	-	-	1	0	0.0035	0.0035	-	-	-	<0.0035	-			
1,1,2-Trichloroethane	mg/l	<0.0022	-	-	1	0	0.0022	0.0022	-	-	-	<0.0022	-			
1,3-Dichloropropane	mg/l	<0.0022	-	-	1	0	0.0022	0.0022	-	-	-	<0.0022	-			
Tetrachloroethene	mg/l	<0.0015	-	-	1	0	0.0015	0.0015	-	-	-	<0.0015	-			
Dibromochloromethane	mg/l	<0.0017	-	-	1	0	0.0017	0.0017	-	-	-	<0.0017	-			
1,2-Dibromoethane	mg/l	<0.0023	-	-	1	0	0.0023	0.0023	-	-	-	<0.0023	-			
Chlorobenzene	mg/l	<0.0035	-	-	1	0	0.0035	0.0035	-	-	-	<0.0035	-			
1,1,1,2-Tetrachloroethane	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	<0.0013	-			
Ethylbenzene	mg/l	<0.0025	-	-	1	0	0.0025	0.0025	-	-	-	<0.0025	-			
m,p-Xylene	mg/l	<0.0025	-	-	1	0	0.0025	0.0025	-	-	-	<0.0025	-			
o-Xylene	mg/l	<0.0017	-	-	1	0	0.0017	0.0017	-	-	-	<0.0017	-			
Styrene	mg/l	<0.0012	-	-	1	0	0.0012	0.0012	-	-	-	<0.0012	-			
Bromoform	mg/l	<0.003	-	-	1	0	0.003	0.003	-	-	-	<0.003	-			
Isopropylbenzene	mg/l	<0.0014	-	-	1	0	0.0014	0.0014	-	-	-	<0.0014	-			
1,1,2,2-Tetrachloroethane	mg/l	<0.0052	-	-	1	0	0.0052	0.0052	-	-	-	<0.0052	-			
1,2,3-Trichloropropane	mg/l	<0.0078	-	-	1	0	0.0078	0.0078	-	-	-	<0.0078	-			
Bromobenzene	mg/l	<0.002	-	-	1	0	0.002	0.002	-	-	-	<0.002	-			
Propylbenzene	mg/l	<0.0026	-	-	1	0	0.0026	0.0026	-	-	-	<0.0026	-			
2-Chlorotoluene	mg/l	<0.0019	-	-	1	0	0.0019	0.0019	-	-	-	<0.0019	-			
1,3,5-Trimethylbenzene	mg/l	<0.0018	-	-	1	0	0.0018	0.0018	-	-	-	<0.0018	-			
4-Chlorotoluene	mg/l	<0.0019	-	-	1	0	0.0019	0.0019	-	-	-	<0.0019	-			
tert-Butylbenzene	mg/l	<0.002	-	-	1	0	0.002	0.002	-	-	-	<0.002	-			
1,2,4-Trimethylbenzene	mg/l	<0.0017	-	-	1	0	0.0017	0.0017	-	-	-	<0.0017	-			
sec-Butylbenzene	mg/l	<0.0017	-	-	1	0	0.0017	0.0017	-	-	-	<0.0017	-			
4-iso-Propyltoluene	mg/l	<0.0026	-	-	1	0	0.0026	0.0026	-	-	-	<0.0026	-			
1,3-Dichlorobenzene	mg/l	<0.0022	-	-	1	0	0.0022	0.0022	-	-	-	<0.0022	-			
1,4-Dichlorobenzene	mg/l	<0.0027	-	-	1	0	0.0027	0.0027	-	-	-	<0.0027	-			
n-Butylbenzene	mg/l	<0.002	-	-	1	0	0.002	0.002	-	-	-	<0.002	-			
1,2-Dichlorobenzene	mg/l	<0.0037	-	-	1	0	0.0037	0.0037	-	-	-	<0.0037	-			
1,2-Dibromo-3-chloropropane	mg/l	<0.0098	-	-	1	0	0.0098	0.0098	-	-	-	<0.0098	-			
1,2,4-Trichlorobenzene	mg/l	<0.0023	-	-	1	0	0.0023	0.0023	-	-	-	<0.0023	-			
Hexachlorobutadiene	mg/l	<0.0025	-	-	1	0	0.0025	0.0025	-	-	-	<0.0025	-			
tert-Amyl methyl ether (TAME)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-			
Naphthalene	mg/l	<0.0035	-	-	1	0	0.0035	0.0035	-	-	-	<0.0035	-			
1,2,3-Trichlorobenzene	mg/l	<0.0031	-	-	1	0	0.0031	0.0031	-	-	-	<0.0031	-			
1,3,5-Trichlorobenzene	mg/l	<0.01	-	-	1	0	0.01	0.01	-	-	-	<0.01	-			

Data Summary Statistics

Site:	DSDC Bicester - Site D	**Project No:**	26999
Data Description:	Groundwater and Surface water	**SOM (%):**	na
Land Use:	MOD Storage and Distribution	**Completed By:**	MIFFL
Receptor:	Controlled Waters	**Checked By:**	

Assessment Criteria Key
x) Laboratory limit of detection
DWS = Drinking Water Standard
EQS = Env. Quality Standard
WHO - World Health Organisation Standard

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data				
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	WSD3 GW 05/08/2010 Zone 2	WSD7 GW 05/08/2010 Zone 2	WSD9 GW 05/08/2010 Zone 2	WSD9 GW 18/08/2010 Zone 2	WSD10 GW 05/08/2010 Zone 2
Inorganics					0	0	0	0	-	-	0					
Alkalinity, Total as CaCO3	mg/l	<2	-	-	0	0	0	0	-	-	-	-	-	-		-
Ammoniacal Nitrogen as NH4	mg/l	<0.3	0.5	DWS	5	5	0.386	3.16	2.0212	1.064747482	4	3.16	0.386	2.46	2.48	1.62
Conductivity @ 20 deg.C	mS/cm	<0.014	-	-	0	0	0	0	-	-	-	-	-	-	-	-
Sulphate	mg/l	<3	400	EQS	5	5	1490	2150	1798	254.4012579	5	1930	1490	1770	1650	2150
Chloride	mg/l	<2	250	EQS	5	5	23.8	118	52.66	40.16855736	0	65.1	27.7	28.7	23.8	118
pH	pH Units	<1	-	-	5	5	6.67	7.57	7.048	0.426755199	-	6.74	7.57	6.81	7.45	6.67
Filtered (Dissolved) Metals					0	0	0	0	-	-	0					
Arsenic (diss.filt)	mg/l	<0.00012	0.05	EQS	5	5	0.00103	0.00279	0.001812	0.000678027	0	0.00136	0.00103	0.00207	0.00181	0.00279
Boron (diss.filt)	mg/l	<0.0094	2	EQS	5	5	0.355	1.88	0.9698	0.614552846	0	1.11	0.355	0.444	1.88	1.06
Cadmium (diss.filt)	mg/l	<0.0001	0.05	EQS	5	1	0.0001	0.000176	0.0001152	-	0	<0.0001	0.000176	<0.0001	<0.0001	<0.0001
Chromium (diss.filt)	mg/l	<0.00022	0.05	EQS	5	5	0.0102	0.0151	0.0132	0.001853375	0	0.013	0.0102	0.0151	0.0142	0.0135
Copper (diss.filt)	mg/l	<0.00085	0.01	EQS	5	5	0.00364	0.00464	0.004062	0.000377717	0	0.00383	0.00407	0.00364	0.00464	0.00413
Lead (diss.filt)	mg/l	<0.00002	0.02	EQS	5	4	0.00002	0.000168	0.0000752	6.60583E-05	0	0.000044	0.000023	<0.00002	0.000168	0.000121
Nickel (diss.filt)	mg/l	<0.00015	0.2	EQS	5	5	0.0426	0.0977	0.06232	0.020774672	0	0.0573	0.0584	0.0556	0.0426	0.0977
Selenium (diss.filt)	mg/l	<0.00039	0.01	DWS	5	5	0.00171	0.0113	0.00513	0.003657342	1	0.00345	0.00171	0.00501	0.00418	0.0113
Zinc (diss.filt)	mg/l	<0.00041	0.075	EQS	5	5	0.00741	0.017	0.013142	0.00372952	0	0.0117	0.0152	0.017	0.00741	0.0144
Mercury (diss.filt)	mg/l	<0.00001	0.001	EQS	5	1	0.00001	0.000016	0.0000112	-	0	<0.00001	<0.00001	0.000016	<0.00001	<0.00001
Gasoline Range Organics (GF					0	0	0	0	-	-	0					
Aliphatics >C5-C6	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-	-	-	-
Aliphatics >C6-C8	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-	-	-	-
Aliphatics >C8-C10	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-	-	-	-
Aliphatics >C10-C12	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-	-	-	-
Total Aliphatics >C5-C12	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-	-	-	-
Aromatics >C6-C7	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-	-	-	-
Aromatics >C7-C8	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-	-	-	-
Aromatics >EC8-EC10	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-	-	-	-
Aromatics >EC10-EC12	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-	-	-	-
Total Aromatics >C6-C12	mg/l	<0.01	-	-	1	0	0.01	0.01	-	-	-	<0.01	-	-	-	-
GRO Surrogate % recovery**	%		-	-	1	1	96	96	96	-	-	96	-	-	-	-
Benzene	mg/l	<0.007	0.3	EQS	3	0	0.007	0.007	-	-	0	<0.007	<0.007	<0.007	-	-
Toluene	mg/l	<0.004	0.05	EQS	3	0	0.004	0.004	-	-	0	<0.004	<0.004	<0.004	-	-
Ethylbenzene	mg/l	<0.005	0.3	WHO Health	3	0	0.005	0.005	-	-	0	<0.005	<0.005	<0.005	-	-
m,p-Xylene	mg/l	<0.008	-	x	3	0	0.008	0.008	-	-	0	<0.008	<0.008	<0.008	-	-
o-Xylene	mg/l	<0.003	-	x	3	0	0.003	0.003	-	-	0	<0.003	<0.003	<0.003	-	-
m,p,o-Xylene	mg/l	<0.01	0.03	EQS	3	0	0.01	0.01	-	-	0	<0.01	<0.01	<0.01	-	-
BTEX, Total	mg/l	<0.01	-	-	3	0	0.01	0.01	-	-	-	<0.01	<0.01	<0.01	-	-
Methyl tertiary butyl ether (MTBE)	mg/l	<0.003	-	-	3	0	0.003	0.003	-	-	-	<0.003	<0.003	<0.003	-	-
GRO >C5-C6	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	-	<0.01	<0.01	-	-
GRO >C6-C7	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	-	<0.01	<0.01	-	-
GRO >C7-C8	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	-	<0.01	<0.01	-	-
GRO >C8-C10	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	-	<0.01	<0.01	-	-
GRO >C5-C12	mg/l	<0.05	-		3	0	0.05	0.05	-	-	0	<0.05	<0.05	<0.05	-	-
GRO >C10-C12	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	-	<0.01	<0.01	-	-
Extractable Petroleum Hydroc					0	0	0	0	-	-	0					
EPH Range >C10 - C40 (aq)	mg/l	<0.046	-	-	3	2	0.046	0.268	0.160666667	0.111181533	-	-	<0.046	0.268	0.168	-
EPH Band >C10-C12 (aq)	mg/l	<0.01	-		3	1	0.01	0.0182	0.012733333	-	-	-	<0.01	<0.01	0.0182	-
EPH Band >C12-C16 (aq)	mg/l	<0.01	-		3	2	0.01	0.0514	0.0333	0.021184192	-	-	<0.01	0.0514	0.0385	-
EPH Band >C16-C21 (aq)	mg/l	<0.01	-		3	2	0.01	0.114	0.061066667	0.052025122	-	-	<0.01	0.114	0.0592	-
EPH Band >C21-C28 (aq)	mg/l	<0.01	-		3	2	0.01	0.0522	0.033833333	0.0216246	-	-	<0.01	0.0522	0.0393	-
EPH Band >C35-C40 (aq)	mg/l	<0.01	-		3	1	0.01	0.0171	0.012366667	-	-	-	<0.01	0.0171	<0.01	-
EPH Band >C28-C35 (aq)	mg/l	<0.01	-		3	2	0.01	0.0252	0.0155	0.008425556	-	-	<0.01	0.0252	0.0113	-
Speciated EPH CWG					0	0	0	0	-	-	0					
Aliphatics >C12-C16 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-	-	-	-
Aliphatics >C16-C21 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-	-	-	-
Aliphatics >C21-C35 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-	-	-	-
Total Aliphatics >C12-C35 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-	-	-	-
Aromatics >EC12-EC16 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-	-	-	-
Aromatics >EC16-EC21 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-	-	-	-
Aromatics >EC21-EC35 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-	-	-	-
Total Aromatics >EC12-EC35 (aq)	mg/l	<0.01	-	-	1	0	0.01	0.01	-	-	-	<0.01	-	-	-	-
Total Aliphatics & Aromatics >C12-C35 (Aqueo	mg/l	<0.01	-	-	1	0	0.01	0.01	-	-	-	<0.01	-	-	-	-
TPH Criteria Working Group (					0	0	0	0	-	-	0					
Total Aliphatics & Aromatics >C5-35 (aq)	mg/l	<0.01	-	-	1	0	0.01	0.01	-	-	-	<0.01	-	-	-	-
Total Aliphatics >C5-C35 (aq)	mg/l	<0.01	-	-	1	0	0.01	0.01	-	-	-	<0.01	-	-	-	-
Total Aromatics >C6-C35 (aq)	mg/l	<0.01	-	-	1	0	0.01	0.01	-	-	-	<0.01	-	-	-	-

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data				
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	WSD3 GW 05/08/2010 Zone 2	WSD7 GW 05/08/2010 Zone 2	WSD9 GW 05/08/2010 Zone 2	WSD9 GW 18/08/2010 Zone 2	WSD10 GW 05/08/2010 Zone 2
Polyaromatic Hydrocarbons (					0	0	0	0	-	-	0					
Naphthalene (aq)	mg/l	<0.0001	0.01	EQS	1	1	0.000103	0.000103	0.000103	-	0	0.000103	-	-	-	-
Acenaphthene (aq)	mg/l	<0.000015	0.0001	DWS	1	0	0.000015	0.000015	-	-	0	<0.000015	-	-	-	-
Acenaphthylene (aq)	mg/l	<0.000011	0.0001	DWS	1	0	0.000011	0.000011	-	-	0	<0.000011	-	-	-	-
Fluoranthene (aq)	mg/l	<0.000014	0.0001	DWS	1	0	0.000014	0.000014	-	-	0	<0.000014	-	-	-	-
Anthracene (aq)	mg/l	<0.000015	0.0001	DWS	1	0	0.000015	0.000015	-	-	0	<0.000015	-	-	-	-
Phenanthrene (aq)	mg/l	<0.000022	0.0001	DWS	1	1	0.000033	0.000033	0.000033	-	0	0.000033	-	-	-	-
Fluorene (aq)	mg/l	<0.000014	0.0001	DWS	1	0	0.000014	0.000014	-	-	0	<0.000014	-	-	-	-
Chrysene (aq)	mg/l	<0.000013	0.0001	DWS	1	0	0.000013	0.000013	-	-	0	<0.000013	-	-	-	-
Pyrene (aq)	mg/l	<0.000015	0.0001	DWS	1	0	0.000015	0.000015	-	-	0	<0.000015	-	-	-	-
Benzo(a)anthracene (aq)	mg/l	<0.000017	0.0001	DWS	1	1	0.000018	0.000018	0.000018	-	0	0.000018	-	-	-	-
Benzo(b)fluoranthene (aq)	mg/l	<0.000023	0.0001	DWS	1	0	0.000023	0.000023	-	-	0	<0.000023	-	-	-	-
Benzo(k)fluoranthene (aq)	mg/l	<0.000027	0.0001	DWS	1	0	0.000027	0.000027	-	-	0	<0.000027	-	-	-	-
Benzo(a)pyrene (aq)	mg/l	<0.000009	0.00001	DWS	1	0	0.000009	0.000009	-	-	0	<0.000009	-	-	-	-
Dibenzo(a,h)anthracene (aq)	mg/l	<0.000016	0.0001	DWS	1	0	0.000016	0.000016	-	-	0	<0.000016	-	-	-	-
Benzo(g,h,i)perylene (aq)	mg/l	<0.000016	0.0001	DWS	1	0	0.000016	0.000016	-	-	0	<0.000016	-	-	-	-
Indeno(1,2,3-cd)pyrene (aq)	mg/l	<0.000014	0.0001	DWS	1	0	0.000014	0.000014	-	-	0	<0.000014	-	-	-	-
Polyaromatic hydrocarbons, Total USEPA 16 (a	mg/l	<0.0001	-	-	1	1	0.000161	0.000161	0.000161	-	-	0.000161	-	-	-	-
Naphthalene-d8	%		-	-	1	1	100	100	100	-	-	100	-	-	-	-
Acenaphthene-d10	%		-	-	1	1	100	100	100	-	-	100	-	-	-	-
Phenanthrene-d10	%		-	-	1	1	100	100	100	-	-	100	-	-	-	-
Chrysene-d12	%		-	-	1	1	100	100	100	-	-	100	-	-	-	-
Perylene-d12	%		-	-	1	1	100	100	100	-	-	100	-	-	-	-
Semi-Volatile Organic Compo					0	0	0	0	-	-	0					
1,2,4-Trichlorobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
1,2-Dichlorobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
1,3-Dichlorobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
1,4-Dichlorobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
2,4,5-Trichlorophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
2,4,6-Trichlorophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
2,4-Dichlorophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
2,4-Dimethylphenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
2,4-Dinitrotoluene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
2,6-Dinitrotoluene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
2-Chloronaphthalene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
2-Chlorophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
2-Methylnaphthalene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
2-Methylphenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
2-Nitroaniline (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
2-Nitrophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
3-Nitroaniline (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
4-Bromophenylphenylether (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
4-Chloro-3-methylphenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
4-Chloroaniline (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
4-Chlorophenylphenylether (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
4-Methylphenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
4-Nitrophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
4-Nitroaniline (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
Azobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
Acenaphthylene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-
Acenaphthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-
Anthracene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
bis(2-Chloroethoxy)methane (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
bis(2-Ethylhexyl) phthalate (aq)	mg/l	<0.002	-	-	1	0	0.002	0.002	-	-	-	<0.002	-	-	-	-
Benzo(a)anthracene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-
Butylbenzyl phthalate (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
Benzo(b)fluoranthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-
Benzo(a)pyrene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-
Carbazole (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
Chrysene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-
Dibenzofuran (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
n-Dibutyl phthalate (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
Diethyl phthalate (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
Dibenzo(a,h)anthracene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-
Dimethyl phthalate (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
n-Dioctyl phthalate (aq)	mg/l	<0.005	-	-	1	0	0.005	0.005	-	-	-	<0.005	-	-	-	-
Fluoranthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data				
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	WSD3 GW 05/08/2010 Zone 2	WSD7 GW 05/08/2010 Zone 2	WSD9 GW 05/08/2010 Zone 2	WSD9 GW 18/08/2010 Zone 2	WSD10 GW 05/08/2010 Zone 2
Fluorene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-
Hexachlorobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
Hexachlorobutadiene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
Pentachlorophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
Phenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
n-Nitroso-n-dipropylamine (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
Hexachloroethane (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
Nitrobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
Naphthalene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-
Isophorone (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
Hexachlorocyclopentadiene (aq)	mg/l	<0.001	-	-	1	0	0.002	0.002	-	-	-	<0.002	-	-	-	-
Phenanthrene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
Pyrene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-
Volatile Organic Compounds					0	0	0	0	-	-	0					
Dibromofluoromethane**	%		-	-	1	1	96	96	96	-	-	96	-	-	-	-
Toluene-d8**	%		-	-	1	1	96.3	96.3	96.3	-	-	96.3	-	-	-	-
4-Bromofluorobenzene**	%		-	-	1	1	95.8	95.8	95.8	-	-	95.8	-	-	-	-
Dichlorodifluoromethane	mg/l	<0.007	-	-	1	0	0.007	0.007	-	-	-	<0.007	-	-	-	-
Chloromethane	mg/l	<0.009	-	-	1	0	0.009	0.009	-	-	-	<0.009	-	-	-	-
Vinyl chloride	mg/l	<0.0012	0.0005	DWS	1	0	0.0012	0.0012	-	-	1	<0.0012	-	-	-	-
Bromomethane	mg/l	<0.002	-	-	1	0	0.002	0.002	-	-	-	<0.002	-	-	-	-
Chloroethane	mg/l	<0.0025	-	-	1	0	0.0025	0.0025	-	-	-	<0.0025	-	-	-	-
Trichlorofluoromethane	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	<0.0013	-	-	-	-
1,1-Dichloroethene	mg/l	<0.0012	-	-	1	0	0.0012	0.0012	-	-	-	<0.0012	-	-	-	-
Carbon disulphide	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	<0.0013	-	-	-	-
Dichloromethane	mg/l	<0.0037	-	-	1	0	0.0037	0.0037	-	-	-	<0.0037	-	-	-	-
Methyl tertiary butyl ether (MTBE)	mg/l	<0.0016	-	-	1	0	0.0016	0.0016	-	-	-	<0.0016	-	-	-	-
trans-1,2-Dichloroethene	mg/l	<0.0019	0.05	WHO Health	1	0	0.0019	0.0019	-	-	0	<0.0019	-	-	-	-
1,1-Dichloroethane	mg/l	<0.0012	-	-	1	0	0.0012	0.0012	-	-	-	<0.0012	-	-	-	-
cis-1,2-Dichloroethene	mg/l	<0.0023	0.05	WHO Health	1	0	0.0023	0.0023	-	-	0	<0.0023	-	-	-	-
2,2-Dichloropropane	mg/l	<0.0038	-	-	1	0	0.0038	0.0038	-	-	-	<0.0038	-	-	-	-
Bromochloromethane	mg/l	<0.0019	-	-	1	0	0.0019	0.0019	-	-	-	<0.0019	-	-	-	-
Chloroform	mg/l	<0.0018	-	-	1	0	0.0018	0.0018	-	-	-	<0.0018	-	-	-	-
1,1,1-Trichloroethane	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	<0.0013	-	-	-	-
1,1-Dichloropropene	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	<0.0013	-	-	-	-
Carbontetrachloride	mg/l	<0.0014	-	-	1	0	0.0014	0.0014	-	-	-	<0.0014	-	-	-	-
1,2-Dichloroethane	mg/l	<0.0033	-	-	1	0	0.0033	0.0033	-	-	-	<0.0033	-	-	-	-
Benzene	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	<0.0013	-	-	-	-
Trichloroethene	mg/l	<0.0025	0.01	EQS	1	0	0.0025	0.0025	-	-	0	<0.0025	-	-	-	-
1,2-Dichloropropane	mg/l	<0.003	-	-	1	0	0.003	0.003	-	-	-	<0.003	-	-	-	-
Dibromomethane	mg/l	<0.0027	-	-	1	0	0.0027	0.0027	-	-	-	<0.0027	-	-	-	-
Bromodichloromethane	mg/l	<0.0009	-	-	1	0	0.0009	0.0009	-	-	-	<0.0009	-	-	-	-
cis-1,3-Dichloropropene	mg/l	<0.0019	-	-	1	0	0.0019	0.0019	-	-	-	<0.0019	-	-	-	-
Toluene	mg/l	<0.0014	-	-	1	0	0.0014	0.0014	-	-	-	<0.0014	-	-	-	-
trans-1,3-Dichloropropene	mg/l	<0.0035	-	-	1	0	0.0035	0.0035	-	-	-	<0.0035	-	-	-	-
1,1,2-Trichloroethane	mg/l	<0.0022	-	-	1	0	0.0022	0.0022	-	-	-	<0.0022	-	-	-	-
1,3-Dichloropropane	mg/l	<0.0022	-	-	1	0	0.0022	0.0022	-	-	-	<0.0022	-	-	-	-
Tetrachloroethene	mg/l	<0.0015	-	-	1	0	0.0015	0.0015	-	-	-	<0.0015	-	-	-	-
Dibromochloromethane	mg/l	<0.0017	-	-	1	0	0.0017	0.0017	-	-	-	<0.0017	-	-	-	-
1,2-Dibromoethane	mg/l	<0.0023	-	-	1	0	0.0023	0.0023	-	-	-	<0.0023	-	-	-	-
Chlorobenzene	mg/l	<0.0035	-	-	1	0	0.0035	0.0035	-	-	-	<0.0035	-	-	-	-
1,1,1,2-Tetrachloroethane	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	<0.0013	-	-	-	-
Ethylbenzene	mg/l	<0.0025	-	-	1	0	0.0025	0.0025	-	-	-	<0.0025	-	-	-	-
m,p-Xylene	mg/l	<0.0025	-	-	1	0	0.0025	0.0025	-	-	-	<0.0025	-	-	-	-
o-Xylene	mg/l	<0.0017	-	-	1	0	0.0017	0.0017	-	-	-	<0.0017	-	-	-	-
Styrene	mg/l	<0.0012	-	-	1	0	0.0012	0.0012	-	-	-	<0.0012	-	-	-	-
Bromoform	mg/l	<0.003	-	-	1	0	0.003	0.003	-	-	-	<0.003	-	-	-	-
Isopropylbenzene	mg/l	<0.0014	-	-	1	0	0.0014	0.0014	-	-	-	<0.0014	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/l	<0.0052	-	-	1	0	0.0052	0.0052	-	-	-	<0.0052	-	-	-	-
1,2,3-Trichloropropane	mg/l	<0.0078	-	-	1	0	0.0078	0.0078	-	-	-	<0.0078	-	-	-	-
Bromobenzene	mg/l	<0.002	-	-	1	0	0.002	0.002	-	-	-	<0.002	-	-	-	-
Propylbenzene	mg/l	<0.0026	-	-	1	0	0.0026	0.0026	-	-	-	<0.0026	-	-	-	-
2-Chlorotoluene	mg/l	<0.0019	-	-	1	0	0.0019	0.0019	-	-	-	<0.0019	-	-	-	-
1,3,5-Trimethylbenzene	mg/l	<0.0018	-	-	1	0	0.0018	0.0018	-	-	-	<0.0018	-	-	-	-
4-Chlorotoluene	mg/l	<0.0019	-	-	1	0	0.0019	0.0019	-	-	-	<0.0019	-	-	-	-
tert-Butylbenzene	mg/l	<0.002	-	-	1	0	0.002	0.002	-	-	-	<0.002	-	-	-	-
1,2,4-Trimethylbenzene	mg/l	<0.0017	-	-	1	0	0.0017	0.0017	-	-	-	<0.0017	-	-	-	-
sec-Butylbenzene	mg/l	<0.0017	-	-	1	0	0.0017	0.0017	-	-	-	<0.0017	-	-	-	-
4-iso-Propyltoluene	mg/l	<0.0026	-	-	1	0	0.0026	0.0026	-	-	-	<0.0026	-	-	-	-
1,3-Dichlorobenzene	mg/l	<0.0022	-	-	1	0	0.0022	0.0022	-	-	-	<0.0022	-	-	-	-
1,4-Dichlorobenzene	mg/l	<0.0027	-	-	1	0	0.0027	0.0027	-	-	-	<0.0027	-	-	-	-
n-Butylbenzene	mg/l	<0.002	-	-	1	0	0.002	0.002	-	-	-	<0.002	-	-	-	-
1,2-Dichlorobenzene	mg/l	<0.0037	-	-	1	0	0.0037	0.0037	-	-	-	<0.0037	-	-	-	-
1,2-Dibromo-3-chloropropane	mg/l	<0.0098	-	-	1	0	0.0098	0.0098	-	-	-	<0.0098	-	-	-	-
1,2,4-Trichlorobenzene	mg/l	<0.0023	-	-	1	0	0.0023	0.0023	-	-	-	<0.0023	-	-	-	-
Hexachlorobutadiene	mg/l	<0.0025	-	-	1	0	0.0025	0.0025	-	-	-	<0.0025	-	-	-	-
tert-Amyl methyl ether (TAME)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001	-	-	-	-
Naphthalene	mg/l	<0.0035	-	-	1	0	0.0035	0.0035	-	-	-	<0.0035	-	-	-	-
1,2,3-Trichlorobenzene	mg/l	<0.0031	-	-	1	0	0.0031	0.0031	-	-	-	<0.0031	-	-	-	-
1,3,5-Trichlorobenzene	mg/l	<0.01	-	-	1	0	0.01	0.01	-	-	-	<0.01	-	-	-	-

Data Summary Statistics

Site:	DSDC Bicester - Site D	**Project No:**	26999
Data Description:	Groundwater and Surface water	**SOM (%):**	na
Land Use:	MOD Storage and Distribution	**Completed By:**	MIFFL
Receptor:	Controlled Waters	**Checked By:**	

Assessment Criteria Key
x) Laboratory limit of detection
DWS = Drinking Water Standard
EQS = Env. Quality Standard
WHO - World Health Organisation Standard

Contaminant	Units	Method Detection Limit	Assessment Criteria (AC)	Source (see key)	Summary Statistics: Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	Sample Identifiers and Analytical Data: SWD6 SW 21/07/2010 Zone 2	SWD6 SW 29/07/2010 Zone 2	SWD 06 SW 04/08/2010 Zone 2	SWD9 SW 21/07/2010 Zone 2	SWD9 SW 05/08/2010 Zone 2	SWD9 SW 18/08/2010 Zone 2
Inorganics					0	0	0	0	-	-	0						
Alkalinity, Total as CaCO3	mg/l	<2	-	-	2	2	170	285	227.5	81.31727984	-	285	-	-	170	-	-
Ammoniacal Nitrogen as NH4	mg/l	<0.3	0.5	DWS	6	4	0.3	12.7	5.518333333	5.77616626	4	4.42	12.7	12.7	2.69	<0.3	<0.3
Conductivity @ 20 deg.C	mS/cm	<0.014	-	-	2	2	1.07	1.09	1.08	0.014142136	-	1.09	-	-	1.07	-	-
Sulphate	mg/l	<3	400	EQS	6	6	12.3	416	112.9333333	150.9882998	1	43.5	80.5	85.9	416	39.4	12.3
Chloride	mg/l	<2	250	EQS	6	6	16	188	67.31666667	62.05263626	0	188	65.6	56.2	51.9	26.2	16
pH	pH Units	<1	-	-	6	6	7.09	8.44	7.841666667	0.464431552	-	7.82	8.2	8.44	7.09	7.68	7.82
Filtered (Dissolved) Metals					0	0	0	0	-	-	0						
Arsenic (diss.filt)	mg/l	<0.00012	0.05	EQS	6	6	0.000442	0.00806	0.003667167	0.003252366	0	0.00712	0.00806	0.00181	0.0037	0.000871	0.000442
Boron (diss.filt)	mg/l	<0.0094	2	EQS	6	6	0.0352	0.187	0.0847	0.05429313	0	0.0814	0.0909	0.0674	0.187	0.0352	0.0463
Cadmium (diss.filt)	mg/l	<0.0001	0.05	EQS	6	0	0.0001	0.0001	-	-	0	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Chromium (diss.filt)	mg/l	<0.00022	0.05	EQS	6	6	0.00131	0.0103	0.00508	0.003294413	0	0.00592	0.0103	0.0065	0.00449	0.00196	0.00131
Copper (diss.filt)	mg/l	<0.00085	0.01	EQS	6	3	0.00085	0.00129	0.000981667	0.000173944	0	<0.00085	<0.00085	0.00101	<0.00085	0.00129	0.00104
Lead (diss.filt)	mg/l	<0.00002	0.02	EQS	6	4	0.00002	0.000505	0.000155833	0.000185437	0	0.000057	0.000127	<0.00002	<0.00002	0.000505	0.000206
Nickel (diss.filt)	mg/l	<0.00015	0.2	EQS	6	4	0.00015	0.00938	0.003652833	0.003989833	0	0.00374	<0.00015	0.00938	0.00753	<0.00015	0.000967
Selenium (diss.filt)	mg/l	<0.00039	0.01	DWS	6	5	0.00039	0.00147	0.0010635	0.000383606	0	0.00112	0.00147	0.00122	0.0013	0.000881	<0.00039
Zinc (diss.filt)	mg/l	<0.00041	0.075	EQS	6	6	0.00169	0.185	0.051435	0.07837846	2	0.00348	0.00428	0.00316	0.00169	0.111	0.185
Mercury (diss.filt)	mg/l	<0.00001	0.001	EQS	6	1	0.00001	0.000011	1.01667E-05	-	0	<0.00001	<0.00001	<0.00001	<0.00001	0.000011	<0.00001
Gasoline Range Organics (GR					0	0	0	0	-	-	0						
Aliphatics >C5-C6	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	-	-	-	-	<0.01	-
Aliphatics >C6-C8	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	-	-	-	-	<0.01	-
Aliphatics >C8-C10	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	-	-	-	-	<0.01	-
Aliphatics >C10-C12	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	-	-	-	-	<0.01	-
Total Aliphatics >C5-C12	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	-	-	-	-	<0.01	-
Aromatics >C6-C7	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	-	-	-	-	<0.01	-
Aromatics >C7-C8	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	-	-	-	-	<0.01	-
Aromatics >EC8-EC10	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	-	-	-	-	<0.01	-
Aromatics >EC10-EC12	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	-	-	-	-	<0.01	-
Total Aromatics >C6-C12	mg/l	<0.01	-	-	1	0	0.01	0.01	-	-	-	-	-	-	-	<0.01	-
GRO Surrogate % recovery**	%		-	-	1	1	113	113	113	-	-	-	-	-	-	113	-
Benzene	mg/l	<0.007	0.3	EQS	3	0	0.007	0.007	-	-	0	-	<0.007	<0.007	-	<0.007	-
Toluene	mg/l	<0.004	0.05	EQS	3	0	0.004	0.004	-	-	0	-	<0.004	<0.004	-	<0.004	-
Ethylbenzene	mg/l	<0.005	0.3	WHO Health	3	0	0.005	0.005	-	-	0	-	<0.005	<0.005	-	<0.005	-
m,p-Xylene	mg/l	<0.008	-	x	3	0	0.008	0.008	-	-	0	-	<0.008	<0.008	-	<0.008	-
o-Xylene	mg/l	<0.003	-	x	3	0	0.003	0.003	-	-	0	-	<0.003	<0.003	-	<0.003	-
m,p,o-Xylene	mg/l	<0.01	0.03	EQS	3	0	0.01	0.01	-	-	0	-	<0.01	<0.01	-	<0.01	-
BTEX, Total	mg/l	<0.01	-	-	3	0	0.01	0.01	-	-	-	-	<0.01	<0.01	-	<0.01	-
Methyl tertiary butyl ether (MTBE)	mg/l	<0.003	-	-	3	0	0.003	0.003	-	-	-	-	<0.003	<0.003	-	<0.003	-
GRO >C5-C6	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	-	<0.01	<0.01	-	-	-
GRO >C6-C7	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	-	<0.01	<0.01	-	-	-
GRO >C7-C8	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	-	<0.01	<0.01	-	-	-
GRO >C8-C10	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	-	<0.01	<0.01	-	-	-
GRO >C5-C12	mg/l	<0.05	-		3	0	0.05	0.05	-	-	0	-	<0.05	<0.05	-	<0.05	-
GRO >C10-C12	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	-	<0.01	<0.01	-	-	-
Extractable Petroleum Hydroc					0	0	0	0	-	-	0						
EPH Range >C10 - C40 (aq)	mg/l	<0.046	-	-	5	4	0.046	0.914	0.3446	0.358213344	-	0.173	0.914	0.114	0.476	-	<0.046
EPH Band >C10-C12 (aq)	mg/l	<0.01	-		5	2	0.01	0.0475	0.01956	0.016243245	-	<0.01	0.0475	<0.01	0.0203	-	<0.01
EPH Band >C12-C16 (aq)	mg/l	<0.01	-		5	3	0.01	0.083	0.04128	0.034187308	-	0.0322	0.083	<0.01	0.0712	-	<0.01
EPH Band >C16-C21 (aq)	mg/l	<0.01	-		5	4	0.01	0.217	0.09046	0.097392803	-	0.0318	0.217	0.0195	0.174	-	<0.01
EPH Band >C21-C28 (aq)	mg/l	<0.01	-		5	4	0.01	0.267	0.08378	0.108104912	-	0.0267	0.267	0.0182	0.097	-	<0.01
EPH Band >C35-C40 (aq)	mg/l	<0.01	-		5	1	0.01	0.133	0.0346	-	-	<0.01	0.133	<0.01	<0.01	-	<0.01
EPH Band >C28-C35 (aq)	mg/l	<0.01	-		5	5	0.0407	0.166	0.09306	0.04819474	0	0.0751	0.166	0.0705	0.113	-	0.0407
Speciated EPH CWG					0	0	0	0	-	-	0						
Aliphatics >C12-C16 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	-	-	-	-	-	<0.01	-
Aliphatics >C16-C21 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	-	-	-	-	-	<0.01	-
Aliphatics >C21-C35 (aq)	mg/l	<0.01	-		1	1	0.012	0.012	0.012	-	-	-	-	-	-	0.012	-
Total Aliphatics >C12-C35 (aq)	mg/l	<0.01	-		1	1	0.012	0.012	0.012	-	0	-	-	-	-	0.012	-
Aromatics >EC12-EC16 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	-	-	-	-	-	<0.01	-
Aromatics >EC16-EC21 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	-	-	-	-	-	<0.01	-
Aromatics >EC21-EC35 (aq)	mg/l	<0.01	-		1	1	0.018	0.018	0.018	-	-	-	-	-	-	0.018	-
Total Aromatics >EC12-EC35 (aq)	mg/l	<0.01	-	-	1	1	0.018	0.018	0.018	-	-	-	-	-	-	0.018	-
Total Aliphatics & Aromatics >C12-C35 (Aqueou	mg/l	<0.01	-	-	1	1	0.03	0.03	0.03	-	-	-	-	-	-	0.03	-
TPH Criteria Working Group (					0	0	0	0	-	-	0						
Total Aliphatics & Aromatics >C5-35 (aq)	mg/l	<0.01	-	-	1	1	0.03	0.03	0.03	-	-	-	-	-	-	0.03	-
Total Aliphatics >C5-C35 (aq)	mg/l	<0.01	-	-	1	1	0.012	0.012	0.012	-	-	-	-	-	-	0.012	-
Total Aromatics >C6-C35 (aq)	mg/l	<0.01	-	-	1	1	0.018	0.018	0.018	-	-	-	-	-	-	0.018	-

Polyaromatic Hydrocarbons (					0	0	0	0	-	-	0						
Naphthalene (aq)	mg/l	<0.0001	0.01	EQS	1	0	0.0001	0.0001	-	-	0	-	-	-	-	<0.0001	-
Acenaphthene (aq)	mg/l	<0.000015	0.0001	DWS	1	0	0.000015	0.000015	-	-	0	-	-	-	-	<0.000015	-
Acenaphthylene (aq)	mg/l	<0.000011	0.0001	DWS	1	0	0.000011	0.000011	-	-	0	-	-	-	-	<0.000011	-
Fluoranthene (aq)	mg/l	<0.000014	0.0001	DWS	1	1	0.000016	0.000016	0.000016	-	0	-	-	-	-	0.000016	-
Anthracene (aq)	mg/l	<0.000015	0.0001	DWS	1	0	0.000015	0.000015	-	-	0	-	-	-	-	<0.000015	-
Phenanthrene (aq)	mg/l	<0.000022	0.0001	DWS	1	0	0.000022	0.000022	-	-	0	-	-	-	-	<0.000022	-
Fluorene (aq)	mg/l	<0.000014	0.0001	DWS	1	0	0.000014	0.000014	-	-	0	-	-	-	-	<0.000014	-
Chrysene (aq)	mg/l	<0.000013	0.0001	DWS	1	0	0.000013	0.000013	-	-	0	-	-	-	-	<0.000013	-
Pyrene (aq)	mg/l	<0.000015	0.0001	DWS	1	1	0.000015	0.000015	0.000015	-	0	-	-	-	-	0.000015	-
Benzo(a)anthracene (aq)	mg/l	<0.000017	0.0001	DWS	1	1	0.00002	0.00002	0.00002	-	0	-	-	-	-	0.00002	-
Benzo(b)fluoranthene (aq)	mg/l	<0.000023	0.0001	DWS	1	0	0.000023	0.000023	-	-	0	-	-	-	-	<0.000023	-
Benzo(k)fluoranthene (aq)	mg/l	<0.000027	0.0001	DWS	1	0	0.000027	0.000027	-	-	0	-	-	-	-	<0.000027	-
Benzo(a)pyrene (aq)	mg/l	<0.000009	0.00001	DWS	1	1	0.000009	0.000009	0.000009	-	0	-	-	-	-	0.000009	-
Dibenzo(a,h)anthracene (aq)	mg/l	<0.000016	0.0001	DWS	1	0	0.000016	0.000016	-	-	0	-	-	-	-	<0.000016	-
Benzo(g,h,i)perylene (aq)	mg/l	<0.000016	0.0001	DWS	1	0	0.000016	0.000016	-	-	0	-	-	-	-	<0.000016	-
Indeno(1,2,3-cd)pyrene (aq)	mg/l	<0.000014	0.0001	DWS	1	0	0.000014	0.000014	-	-	0	-	-	-	-	<0.000014	-
Polyaromatic hydrocarbons, Total USEPA 16 (a	mg/l	<0.0001	-	-	1	0	0.0001	0.0001	-	-	-	-	-	-	-	<0.0001	-
Naphthalene-d8	%		-	-	1	1	100	100	100	-	-	-	-	-	-	100	-
Acenaphthene-d10	%		-	-	1	1	100	100	100	-	-	-	-	-	-	100	-
Phenanthrene-d10	%		-	-	1	1	100	100	100	-	-	-	-	-	-	100	-
Chrysene-d12	%		-	-	1	1	100	100	100	-	-	-	-	-	-	100	-
Perylene-d12	%		-	-	1	1	100	100	100	-	-	-	-	-	-	100	-
Semi-Volatile Organic Compo					0	0	0	0	-	-	0						
1,2,4-Trichlorobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
1,2-Dichlorobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
1,3-Dichlorobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
1,4-Dichlorobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
2,4,5-Trichlorophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
2,4,6-Trichlorophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
2,4-Dichlorophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
2,4-Dimethylphenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
2,4-Dinitrotoluene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
2,6-Dinitrotoluene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
2-Chloronaphthalene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
2-Chlorophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
2-Methylnaphthalene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
2-Methylphenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
2-Nitroaniline (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
2-Nitrophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
3-Nitroaniline (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
4-Bromophenylphenylether (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
4-Chloro-3-methylphenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
4-Chloroaniline (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
4-Chlorophenylphenylether (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
4-Methylphenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
4-Nitrophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
4-Nitroaniline (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
Azobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
Acenaphthylene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-	-
Acenaphthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-	-
Anthracene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-	-
bis(2-Chloroethylether (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
bis(2-Chloroethoxy)methane (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
bis(2-Ethylhexyl) phthalate (aq)	mg/l	<0.002	-	-	1	0	0.002	0.002	-	-	-	-	-	-	-	<0.002	-
Benzo(a)anthracene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-	-
Butylbenzyl phthalate (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
Benzo(b)fluoranthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-	-
Carbazole (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
Chrysene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-	-
Dibenzofuran (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
n-Dibutyl phthalate (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
Diethyl phthalate (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
Dibenzo(a,h)anthracene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-	-
Dimethyl phthalate (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-
n-Dioctyl phthalate (aq)	mg/l	<0.005	-	-	1	0	0.005	0.005	-	-	-	-	-	-	-	<0.005	-
Fluoranthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-	-

Fluorene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-	-	
Hexachlorobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-	
Hexachlorobutadiene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-	
Pentachlorophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-	
Phenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-	
n-Nitroso-n-dipropylamine (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-	
Hexachloroethane (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-	
Nitrobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-	
Naphthalene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-	-	
Isophorone (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-	
Hexachlorocyclopentadiene (aq)	mg/l	<0.001	-	-	1	0	0.002	0.002	-	-	-	-	-	-	-	<0.002	-	
Phenanthrene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-	-	
Indeno(1,2,3-cd)pyrene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-	
Pyrene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-	-	-	
Volatile Organic Compounds					0	0	0	0	-	-	0							
Dibromofluoromethane**	%		-	-	1	1	96.3	96.3	96.3	-	-	-	-	-	-	96.3	-	
Toluene-d8**	%		-	-	1	1	97.1	97.1	97.1	-	-	-	-	-	-	97.1	-	
4-Bromofluorobenzene**	%		-	-	1	1	95.6	95.6	95.6	-	-	-	-	-	-	95.6	-	
Dichlorodifluoromethane	mg/l	<0.007	-	-	1	0	0.007	0.007	-	-	-	-	-	-	-	<0.007	-	
Chloromethane	mg/l	<0.009	-	-	1	0	0.009	0.009	-	-	-	-	-	-	-	<0.009	-	
Vinyl chloride	mg/l	<0.0012	0.0005	DWS	1	0	0.0012	0.0012	-	-	1	-	-	-	-	<0.0012	-	
Bromomethane	mg/l	<0.002	-	-	1	0	0.002	0.002	-	-	-	-	-	-	-	<0.002	-	
Chloroethane	mg/l	<0.0025	-	-	1	0	0.0025	0.0025	-	-	-	-	-	-	-	<0.0025	-	
Trichlorofluoromethane	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	-	-	-	-	<0.0013	-	
1,1-Dichloroethene	mg/l	<0.0012	-	-	1	0	0.0012	0.0012	-	-	-	-	-	-	-	<0.0012	-	
Carbon disulphide	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	-	-	-	-	<0.0013	-	
Dichloromethane	mg/l	<0.0037	-	-	1	0	0.0037	0.0037	-	-	-	-	-	-	-	<0.0037	-	
Methyl tertiary butyl ether (MTBE)	mg/l	<0.0016	-	-	1	0	0.0016	0.0016	-	-	-	-	-	-	-	<0.0016	-	
trans-1,2-Dichloroethene	mg/l	<0.0019	0.05	WHO Health	1	0	0.0019	0.0019	-	-	0	-	-	-	-	<0.0019	-	
1,1-Dichloroethane	mg/l	<0.0012	-	-	1	0	0.0012	0.0012	-	-	-	-	-	-	-	<0.0012	-	
cis-1,2-Dichloroethene	mg/l	<0.0023	0.05	WHO Health	1	0	0.0023	0.0023	-	-	0	-	-	-	-	<0.0023	-	
2,2-Dichloropropane	mg/l	<0.0038	-	-	1	0	0.0038	0.0038	-	-	-	-	-	-	-	<0.0038	-	
Bromochloromethane	mg/l	<0.0019	-	-	1	0	0.0019	0.0019	-	-	-	-	-	-	-	<0.0019	-	
Chloroform	mg/l	<0.0018	-	-	1	0	0.0018	0.0018	-	-	-	-	-	-	-	<0.0018	-	
1,1,1-Trichloroethane	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	-	-	-	-	<0.0013	-	
1,1-Dichloropropene	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	-	-	-	-	<0.0013	-	
Carbontetrachloride	mg/l	<0.0014	-	-	1	0	0.0014	0.0014	-	-	-	-	-	-	-	<0.0014	-	
1,2-Dichloroethane	mg/l	<0.0033	-	-	1	0	0.0033	0.0033	-	-	-	-	-	-	-	<0.0033	-	
Benzene	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	-	-	-	-	<0.0013	-	
Trichloroethene	mg/l	<0.0025	0.01	EQS	1	0	0.0025	0.0025	-	-	0	-	-	-	-	<0.0025	-	
1,2-Dichloropropane	mg/l	<0.003	-	-	1	0	0.003	0.003	-	-	-	-	-	-	-	<0.003	-	
Dibromomethane	mg/l	<0.0027	-	-	1	0	0.0027	0.0027	-	-	-	-	-	-	-	<0.0027	-	
Bromodichloromethane	mg/l	<0.0009	-	-	1	0	0.0009	0.0009	-	-	-	-	-	-	-	<0.0009	-	
cis-1,3-Dichloropropene	mg/l	<0.0019	-	-	1	0	0.0019	0.0019	-	-	-	-	-	-	-	<0.0019	-	
Toluene	mg/l	<0.0014	-	-	1	0	0.0014	0.0014	-	-	-	-	-	-	-	<0.0014	-	
trans-1,3-Dichloropropene	mg/l	<0.0035	-	-	1	0	0.0035	0.0035	-	-	-	-	-	-	-	<0.0035	-	
1,1,2-Trichloroethane	mg/l	<0.0022	-	-	1	0	0.0022	0.0022	-	-	-	-	-	-	-	<0.0022	-	
1,3-Dichloropropane	mg/l	<0.0022	-	-	1	0	0.0022	0.0022	-	-	-	-	-	-	-	<0.0022	-	
Tetrachloroethene	mg/l	<0.0015	-	-	1	0	0.0015	0.0015	-	-	-	-	-	-	-	<0.0015	-	
Dibromochloromethane	mg/l	<0.0017	-	-	1	0	0.0017	0.0017	-	-	-	-	-	-	-	<0.0017	-	
1,2-Dibromoethane	mg/l	<0.0023	-	-	1	0	0.0023	0.0023	-	-	-	-	-	-	-	<0.0023	-	
Chlorobenzene	mg/l	<0.0035	-	-	1	0	0.0035	0.0035	-	-	-	-	-	-	-	<0.0035	-	
1,1,1,2-Tetrachloroethane	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	-	-	-	-	<0.0013	-	
Ethylbenzene	mg/l	<0.0025	-	-	1	0	0.0025	0.0025	-	-	-	-	-	-	-	<0.0025	-	
m,p-Xylene	mg/l	<0.0025	-	-	1	0	0.0025	0.0025	-	-	-	-	-	-	-	<0.0025	-	
o-Xylene	mg/l	<0.0017	-	-	1	0	0.0017	0.0017	-	-	-	-	-	-	-	<0.0017	-	
Styrene	mg/l	<0.0012	-	-	1	0	0.0012	0.0012	-	-	-	-	-	-	-	<0.0012	-	
Bromoform	mg/l	<0.003	-	-	1	0	0.003	0.003	-	-	-	-	-	-	-	<0.003	-	
Isopropylbenzene	mg/l	<0.0014	-	-	1	0	0.0014	0.0014	-	-	-	-	-	-	-	<0.0014	-	
1,1,2,2-Tetrachloroethane	mg/l	<0.0052	-	-	1	0	0.0052	0.0052	-	-	-	-	-	-	-	<0.0052	-	
1,2,3-Trichloropropane	mg/l	<0.0078	-	-	1	0	0.0078	0.0078	-	-	-	-	-	-	-	<0.0078	-	
Bromobenzene	mg/l	<0.002	-	-	1	0	0.002	0.002	-	-	-	-	-	-	-	<0.002	-	
Propylbenzene	mg/l	<0.0026	-	-	1	0	0.0026	0.0026	-	-	-	-	-	-	-	<0.0026	-	
2-Chlorotoluene	mg/l	<0.0019	-	-	1	0	0.0019	0.0019	-	-	-	-	-	-	-	<0.0019	-	
1,3,5-Trimethylbenzene	mg/l	<0.0018	-	-	1	0	0.0018	0.0018	-	-	-	-	-	-	-	<0.0018	-	
4-Chlorotoluene	mg/l	<0.0019	-	-	1	0	0.0019	0.0019	-	-	-	-	-	-	-	<0.0019	-	
tert-Butylbenzene	mg/l	<0.002	-	-	1	0	0.002	0.002	-	-	-	-	-	-	-	<0.002	-	
1,2,4-Trimethylbenzene	mg/l	<0.0017	-	-	1	0	0.0017	0.0017	-	-	-	-	-	-	-	<0.0017	-	
sec-Butylbenzene	mg/l	<0.0017	-	-	1	0	0.0017	0.0017	-	-	-	-	-	-	-	<0.0017	-	
4-iso-Propyltoluene	mg/l	<0.0026	-	-	1	0	0.0026	0.0026	-	-	-	-	-	-	-	<0.0026	-	
1,3-Dichlorobenzene	mg/l	<0.0022	-	-	1	0	0.0022	0.0022	-	-	-	-	-	-	-	<0.0022	-	
1,4-Dichlorobenzene	mg/l	<0.0027	-	-	1	0	0.0027	0.0027	-	-	-	-	-	-	-	<0.0027	-	
n-Butylbenzene	mg/l	<0.002	-	-	1	0	0.002	0.002	-	-	-	-	-	-	-	<0.002	-	
1,2-Dichlorobenzene	mg/l	<0.0037	-	-	1	0	0.0037	0.0037	-	-	-	-	-	-	-	<0.0037	-	
1,2-Dibromo-3-chloropropane	mg/l	<0.0098	-	-	1	0	0.0098	0.0098	-	-	-	-	-	-	-	<0.0098	-	
1,2,4-Trichlorobenzene	mg/l	<0.0023	-	-	1	0	0.0023	0.0023	-	-	-	-	-	-	-	<0.0023	-	
Hexachlorobutadiene	mg/l	<0.0025	-	-	1	0	0.0025	0.0025	-	-	-	-	-	-	-	<0.0025	-	
tert-Amyl methyl ether (TAME)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	-	-	<0.001	-	
Naphthalene	mg/l	<0.0035	-	-	1	0	0.0035	0.0035	-	-	-	-	-	-	-	<0.0035	-	
1,2,3-Trichlorobenzene	mg/l	<0.0031	-	-	1	0	0.0031	0.0031	-	-	-	-	-	-	-	<0.0031	-	
1,3,5-Trichlorobenzene	mg/l	<0.01	-	-	1	0	0.01	0.01	-	-	-	-	-	-	-	<0.01	-	

Data Summary Statistics

Site:	DSDC Bicester - Site D	**Project No:**	26999
Data Description:	Groundwater and Surface water	**SOM (%):**	na
Land Use:	MOD Storage and Distribution	**Completed By:**	MIFFL
Receptor:	Controlled Waters	**Checked By:**	

Assessment Criteria Key
x) Laboratory limit of detection
DWS = Drinking Water Standard
EQS = Env. Quality Standard
WHO - World Health Organisation Standard

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics: Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	Sample Identifiers and Analytical Data: SWD8 SW 40408 Zone 3
Inorganics					0	0	0	0	-	-	0	
Alkalinity, Total as CaCO3	mg/l	<2	-	-	0	0	0	0	-	-	-	-
Ammoniacal Nitrogen as NH4	mg/l	<0.3	0.5	DWS	1	0	0.3	0.3	-	-	0	<0.3
Conductivity @ 20 deg.C	mS/cm	<0.014	-	-	0	0	0	0	-	-	-	-
Sulphate	mg/l	<3	400	EQS	1	1	112	112	112	-	0	112
Chloride	mg/l	<2	250	EQS	1	1	118	118	118	-	0	118
pH	pH Units	<1	-	-	1	1	8.43	8.43	8.43	-	-	8.43
Filtered (Dissolved) Metals					0	0	0	0	-	-	0	
Arsenic (diss.filt)	mg/l	<0.00012	0.05	EQS	1	1	0.000409	0.000409	0.000409	-	0	0.000409
Boron (diss.filt)	mg/l	<0.0094	2	EQS	1	1	1.76	1.76	1.76	-	0	1.76
Cadmium (diss.filt)	mg/l	<0.0001	0.05	EQS	1	0	0.0001	0.0001	-	-	0	<0.0001
Chromium (diss.filt)	mg/l	<0.00022	0.05	EQS	1	1	0.00506	0.00506	0.00506	-	0	0.00506
Copper (diss.filt)	mg/l	<0.00085	0.01	EQS	1	1	0.00134	0.00134	0.00134	-	0	0.00134
Lead (diss.filt)	mg/l	<0.00002	0.02	EQS	1	1	0.000179	0.000179	0.000179	-	0	0.000179
Nickel (diss.filt)	mg/l	<0.00015	0.2	EQS	1	1	0.00295	0.00295	0.00295	-	0	0.00295
Selenium (diss.filt)	mg/l	<0.00039	0.01	DWS	1	1	0.000516	0.000516	0.000516	-	0	0.000516
Zinc (diss.filt)	mg/l	<0.00041	0.075	EQS	1	1	0.0233	0.0233	0.0233	-	0	0.0233
Mercury (diss.filt)	mg/l	<0.00001	0.001	EQS	1	0	0.00001	0.00001	-	-	0	<0.00001
Gasoline Range Organics (GF					0	0	0	0	-	-	0	
Aliphatics >C5-C6	mg/l	<0.01	-		0	0	0	0	-	-	0	-
Aliphatics >C6-C8	mg/l	<0.01	-		0	0	0	0	-	-	0	-
Aliphatics >C8-C10	mg/l	<0.01	-		0	0	0	0	-	-	0	-
Aliphatics >C10-C12	mg/l	<0.01	-		0	0	0	0	-	-	0	-
Total Aliphatics >C5-C12	mg/l	<0.01	-		0	0	0	0	-	-	0	-
Aromatics >C6-C7	mg/l	<0.01	-		0	0	0	0	-	-	0	-
Aromatics >C7-C8	mg/l	<0.01	-		0	0	0	0	-	-	0	-
Aromatics >EC8-EC10	mg/l	<0.01	-		0	0	0	0	-	-	0	-
Aromatics >EC10-EC12	mg/l	<0.01	-		0	0	0	0	-	-	0	-
Total Aromatics >C6-C12	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-
GRO Surrogate % recovery**	%		-	-	0	0	0	0	-	-	-	-
Benzene	mg/l	<0.007	0.3	EQS	0	0	0	0	-	-	0	-
Toluene	mg/l	<0.004	0.05	EQS	0	0	0	0	-	-	0	-
Ethylbenzene	mg/l	<0.005	0.3	WHO Health	0	0	0	0	-	-	0	-
m,p-Xylene	mg/l	<0.008	-	x	0	0	0	0	-	-	0	-
o-Xylene	mg/l	<0.003	-	x	0	0	0	0	-	-	0	-
m,p,o-Xylene	mg/l	<0.01	0.03	EQS	0	0	0	0	-	-	0	-
BTEX, Total	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-
Methyl tertiary butyl ether (MTBE)	mg/l	<0.003	-	-	0	0	0	0	-	-	-	-
GRO >C5-C6	mg/l	<0.01	-		0	0	0	0	-	-	0	-
GRO >C6-C7	mg/l	<0.01	-		0	0	0	0	-	-	0	-
GRO >C7-C8	mg/l	<0.01	-		0	0	0	0	-	-	0	-
GRO >C8-C10	mg/l	<0.01	-		0	0	0	0	-	-	0	-
GRO >C5-C12	mg/l	<0.05	-		0	0	0	0	-	-	0	-
GRO >C10-C12	mg/l	<0.01	-		0	0	0	0	-	-	0	-
Extractable Petroleum Hydroc					0	0	0	0	-	-	0	
EPH Range >C10 - C40 (aq)	mg/l	<0.046	-	-	1	1	0.135	0.135	0.135	-	-	0.135
EPH Band >C10-C12 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	-	<0.01
EPH Band >C12-C16 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	-	<0.01
EPH Band >C16-C21 (aq)	mg/l	<0.01	-		1	1	0.0286	0.0286	0.0286	-	-	0.0286
EPH Band >C21-C28 (aq)	mg/l	<0.01	-		1	1	0.0301	0.0301	0.0301	-	-	0.0301
EPH Band >C35-C40 (aq)	mg/l	<0.01	-		1	1	0.0134	0.0134	0.0134	-	-	0.0134
EPH Band >C28-C35 (aq)	mg/l	<0.01	-		1	1	0.0629	0.0629	0.0629	-	-	0.0629
Speciated EPH CWG					0	0	0	0	-	-	0	
Aliphatics >C12-C16 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-
Aliphatics >C16-C21 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-
Aliphatics >C21-C35 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-
Total Aliphatics >C12-C35 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-
Aromatics >EC12-EC16 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-
Aromatics >EC16-EC21 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-
Aromatics >EC21-EC35 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-
Total Aromatics >EC12-EC35 (aq)	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-
Total Aliphatics & Aromatics >C12-C35 (Aqueo	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-
TPH Criteria Working Group (					0	0	0	0	-	-	0	
Total Aliphatics & Aromatics >C5-35 (aq)	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-
Total Aliphatics >C5-C35 (aq)	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-
Total Aromatics >C6-C35 (aq)	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data				
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	SWD8 SW 40408 Zone 3				
Polyaromatic Hydrocarbons (					0	0	0	0	-	-	0					
Naphthalene (aq)	mg/l	<0.0001	0.01	EQS	0	0	0	0	-	-	0	-				
Acenaphthene (aq)	mg/l	<0.000015	0.0001	DWS	0	0	0	0	-	-	0	-				
Acenaphthylene (aq)	mg/l	<0.000011	0.0001	DWS	0	0	0	0	-	-	0	-				
Fluoranthene (aq)	mg/l	<0.000014	0.0001	DWS	0	0	0	0	-	-	0	-				
Anthracene (aq)	mg/l	<0.000015	0.0001	DWS	0	0	0	0	-	-	0	-				
Phenanthrene (aq)	mg/l	<0.000022	0.0001	DWS	0	0	0	0	-	-	0	-				
Fluorene (aq)	mg/l	<0.000014	0.0001	DWS	0	0	0	0	-	-	0	-				
Chrysene (aq)	mg/l	<0.000013	0.0001	DWS	0	0	0	0	-	-	0	-				
Pyrene (aq)	mg/l	<0.000015	0.0001	DWS	0	0	0	0	-	-	0	-				
Benzo(a)anthracene (aq)	mg/l	<0.000017	0.0001	DWS	0	0	0	0	-	-	0	-				
Benzo(b)fluoranthene (aq)	mg/l	<0.000023	0.0001	DWS	0	0	0	0	-	-	0	-				
Benzo(k)fluoranthene (aq)	mg/l	<0.000027	0.0001	DWS	0	0	0	0	-	-	0	-				
Benzo(a)pyrene (aq)	mg/l	<0.000009	0.00001	DWS	0	0	0	0	-	-	0	-				
Dibenzo(a,h)anthracene (aq)	mg/l	<0.000016	0.0001	DWS	0	0	0	0	-	-	0	-				
Benzo(g,h,i)perylene (aq)	mg/l	<0.000016	0.0001	DWS	0	0	0	0	-	-	0	-				
Indeno(1,2,3-cd)pyrene (aq)	mg/l	<0.000014	0.0001	DWS	0	0	0	0	-	-	0	-				
Polyaromatic hydrocarbons, Total USEPA 16 (a	mg/l	<0.0001	-	-	0	0	0	0	-	-	-	-				
Naphthalene-d8	%		-	-	0	0	0	0	-	-	-	-				
Acenaphthene-d10	%		-	-	0	0	0	0	-	-	-	-				
Phenanthrene-d10	%		-	-	0	0	0	0	-	-	-	-				
Chrysene-d12	%		-	-	0	0	0	0	-	-	-	-				
Perylene-d12	%		-	-	0	0	0	0	-	-	-	-				
Semi-Volatile Organic Compo					0	0	0	0	-	-	0					
1,2,4-Trichlorobenzene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
1,2-Dichlorobenzene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
1,3-Dichlorobenzene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
1,4-Dichlorobenzene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
2,4,5-Trichlorophenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
2,4,6-Trichlorophenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
2,4-Dichlorophenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
2,4-Dimethylphenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
2,4-Dinitrotoluene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
2,6-Dinitrotoluene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
2-Chloronaphthalene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
2-Chlorophenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
2-Methylnaphthalene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
2-Methylphenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
2-Nitroaniline (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
2-Nitrophenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
3-Nitroaniline (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
4-Bromophenylphenylether (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
4-Chloro-3-methylphenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
4-Chloroaniline (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
4-Chlorophenylphenylether (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
4-Methylphenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
4-Nitrophenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
4-Nitroaniline (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Azobenzene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Acenaphthylene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Acenaphthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Anthracene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
bis(2-Chloroethyl)ether (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
bis(2-Chloroethoxy)methane (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
bis(2-Ethylhexyl) phthalate (aq)	mg/l	<0.002	-	-	0	0	0	0	-	-	-	-				
Benzo(a)anthracene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Butylbenzyl phthalate (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Benzo(b)fluoranthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Benzo(k)fluoranthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Benzo(a)pyrene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Benzo(g,h,i)perylene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Carbazole (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Chrysene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Dibenzofuran (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
n-Dibutyl phthalate (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Diethyl phthalate (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Dibenzo(a,h)anthracene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Dimethyl phthalate (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
n-Dioctyl phthalate (aq)	mg/l	<0.005	-	-	0	0	0	0	-	-	-	-				
Fluoranthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data				
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	SWD8 SW 40408 Zone 3				
Fluorene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Hexachlorobenzene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Hexachlorobutadiene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Pentachlorophenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Phenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
n-Nitroso-n-dipropylamine (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Hexachloroethane (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Nitrobenzene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Naphthalene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Isophorone (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Hexachlorocyclopentadiene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Phenanthrene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Indeno(1,2,3-cd)pyrene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Pyrene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Volatile Organic Compounds					0	0	0	0	-	-	0					
Dibromofluoromethane**	%		-	-	0	0	0	0	-	-	-	-				
Toluene-d8**	%		-	-	0	0	0	0	-	-	-	-				
4-Bromofluorobenzene**	%		-	-	0	0	0	0	-	-	-	-				
Dichlorodifluoromethane	mg/l	<0.007	-	-	0	0	0	0	-	-	-	-				
Chloromethane	mg/l	<0.009	-	-	0	0	0	0	-	-	-	-				
Vinyl chloride	mg/l	<0.0012	0.0005	DWS	0	0	0	0	-	-	0	-				
Bromomethane	mg/l	<0.002	-	-	0	0	0	0	-	-	-	-				
Chloroethane	mg/l	<0.0025	-	-	0	0	0	0	-	-	-	-				
Trichlorofluoromethane	mg/l	<0.0013	-	-	0	0	0	0	-	-	-	-				
1,1-Dichloroethene	mg/l	<0.0012	-	-	0	0	0	0	-	-	-	-				
Carbon disulphide	mg/l	<0.0013	-	-	0	0	0	0	-	-	-	-				
Dichloromethane	mg/l	<0.0037	-	-	0	0	0	0	-	-	-	-				
Methyl tertiary butyl ether (MTBE)	mg/l	<0.0016	-	-	0	0	0	0	-	-	-	-				
trans-1,2-Dichloroethene	mg/l	<0.0019	0.05	WHO Health	0	0	0	0	-	-	0	-				
1,1-Dichloroethane	mg/l	<0.0012	-	-	0	0	0	0	-	-	-	-				
cis-1,2-Dichloroethene	mg/l	<0.0023	0.05	WHO Health	0	0	0	0	-	-	0	-				
2,2-Dichloropropane	mg/l	<0.0038	-	-	0	0	0	0	-	-	-	-				
Bromochloromethane	mg/l	<0.0019	-	-	0	0	0	0	-	-	-	-				
Chloroform	mg/l	<0.0018	-	-	0	0	0	0	-	-	-	-				
1,1,1-Trichloroethane	mg/l	<0.0013	-	-	0	0	0	0	-	-	-	-				
1,1-Dichloropropene	mg/l	<0.0013	-	-	0	0	0	0	-	-	-	-				
Carbontetrachloride	mg/l	<0.0014	-	-	0	0	0	0	-	-	-	-				
1,2-Dichloroethane	mg/l	<0.0033	-	-	0	0	0	0	-	-	-	-				
Benzene	mg/l	<0.0013	-	-	0	0	0	0	-	-	-	-				
Trichloroethene	mg/l	<0.0025	0.01	EQS	0	0	0	0	-	-	0	-				
1,2-Dichloropropane	mg/l	<0.003	-	-	0	0	0	0	-	-	-	-				
Dibromomethane	mg/l	<0.0027	-	-	0	0	0	0	-	-	-	-				
Bromodichloromethane	mg/l	<0.0009	-	-	0	0	0	0	-	-	-	-				
cis-1,3-Dichloropropene	mg/l	<0.0019	-	-	0	0	0	0	-	-	-	-				
Toluene	mg/l	<0.0014	-	-	0	0	0	0	-	-	-	-				
trans-1,3-Dichloropropene	mg/l	<0.0035	-	-	0	0	0	0	-	-	-	-				
1,1,2-Trichloroethane	mg/l	<0.0022	-	-	0	0	0	0	-	-	-	-				
1,3-Dichloropropane	mg/l	<0.0022	-	-	0	0	0	0	-	-	-	-				
Tetrachloroethene	mg/l	<0.0015	-	-	0	0	0	0	-	-	-	-				
Dibromochloromethane	mg/l	<0.0017	-	-	0	0	0	0	-	-	-	-				
1,2-Dibromoethane	mg/l	<0.0023	-	-	0	0	0	0	-	-	-	-				
Chlorobenzene	mg/l	<0.0035	-	-	0	0	0	0	-	-	-	-				
1,1,1,2-Tetrachloroethane	mg/l	<0.0013	-	-	0	0	0	0	-	-	-	-				
Ethylbenzene	mg/l	<0.0025	-	-	0	0	0	0	-	-	-	-				
m,p-Xylene	mg/l	<0.0025	-	-	0	0	0	0	-	-	-	-				
o-Xylene	mg/l	<0.0017	-	-	0	0	0	0	-	-	-	-				
Styrene	mg/l	<0.0012	-	-	0	0	0	0	-	-	-	-				
Bromoform	mg/l	<0.003	-	-	0	0	0	0	-	-	-	-				
Isopropylbenzene	mg/l	<0.0014	-	-	0	0	0	0	-	-	-	-				
1,1,2,2-Tetrachloroethane	mg/l	<0.0052	-	-	0	0	0	0	-	-	-	-				
1,2,3-Trichloropropane	mg/l	<0.0078	-	-	0	0	0	0	-	-	-	-				
Bromobenzene	mg/l	<0.002	-	-	0	0	0	0	-	-	-	-				
Propylbenzene	mg/l	<0.0026	-	-	0	0	0	0	-	-	-	-				
2-Chlorotoluene	mg/l	<0.0019	-	-	0	0	0	0	-	-	-	-				
1,3,5-Trimethylbenzene	mg/l	<0.0018	-	-	0	0	0	0	-	-	-	-				
4-Chlorotoluene	mg/l	<0.0019	-	-	0	0	0	0	-	-	-	-				
tert-Butylbenzene	mg/l	<0.002	-	-	0	0	0	0	-	-	-	-				
1,2,4-Trimethylbenzene	mg/l	<0.0017	-	-	0	0	0	0	-	-	-	-				
sec-Butylbenzene	mg/l	<0.0017	-	-	0	0	0	0	-	-	-	-				
4-iso-Propyltoluene	mg/l	<0.0026	-	-	0	0	0	0	-	-	-	-				
1,3-Dichlorobenzene	mg/l	<0.0022	-	-	0	0	0	0	-	-	-	-				
1,4-Dichlorobenzene	mg/l	<0.0027	-	-	0	0	0	0	-	-	-	-				
n-Butylbenzene	mg/l	<0.002	-	-	0	0	0	0	-	-	-	-				
1,2-Dichlorobenzene	mg/l	<0.0037	-	-	0	0	0	0	-	-	-	-				
1,2-Dibromo-3-chloropropane	mg/l	<0.0098	-	-	0	0	0	0	-	-	-	-				
1,2,4-Trichlorobenzene	mg/l	<0.0023	-	-	0	0	0	0	-	-	-	-				
Hexachlorobutadiene	mg/l	<0.0025	-	-	0	0	0	0	-	-	-	-				
tert-Amyl methyl ether (TAME)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-				
Naphthalene	mg/l	<0.0035	-	-	0	0	0	0	-	-	-	-				
1,2,3-Trichlorobenzene	mg/l	<0.0031	-	-	0	0	0	0	-	-	-	-				
1,3,5-Trichlorobenzene	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-				

Data Summary Statistics

Site:	DSDC Bicester Site D	**Project No:**	26999
Data Description:	Zone 1	**SOM (%):**	6.0%
Land Use:	Residential With Plant Uptake	**Completed By:**	RIDEJ
Receptor:	Human Health	**Checked By:**	

Assessment Criteria Key

a) 2009 SGV (Res with Plant)
b) 2009 SGV (Allotment)
c) 2009 SGV (Commercial/Industrial)
d) EIC GAC (Res with Plant)
e) EIC GAC (Res without Plant)
f) EIC GAC (Allotment)
g) EIC GAC (Commercial/Ind)
h) Entec GAC (Res with Plant)
i) Entec GAC (Res without Plant)
j) Entec GAC (Allotment)
k) Entec GAC (Commercial/Ind)
l) LQM CIEH GAC (Res with Plant)
m) LQM CIEH GAC (Res without Plant)
n) LQM CIEH GAC (Commercial/Ind)
o) Dutch Intervention values
p) Dutch Target Values
q) Soil Code: Crops for Consumption
r) Soil Code: Sensitive Species
s) Soil Code: Grazing Animals
t) Soil Code: Background
u) BRE Special Digest
v) Other Generic Criteria
w) Site Specific Assessment Criteria
x) Laboratory limit of detection
y) CLR SGV for Lead (2002)

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics: Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	Sample Identifiers and Analytical Data: TPD7 BIFT 1.1-1.2 MG	TPD7 BIFT 2.1-2.2 MG	TPD8 BIFT 1.1-1.2 MG	TPD8 BIFT 2.8-2.9 MG	TPD9 BIFT 1.0-1.1 MG	TPD10 BIFT 0.2-0.3 MG	TPD10 BIFT 1.0-1.1 MG	BH01 BIFT 0.7-0.9 MG	WSD15 BIFT 0.4-0.5 MG
Inorganics					0	0	0	0	-	-	0									
Soil Organic Matter (SOM)	%	<0.35 %			2	2	1.83	21	11.415	13.555237	0			21					1.83	
pH	pH Units	1 pH unit			9	9	7.67	9.06	8.201111111	0.389918083	0	7.67	7.81	8.25	8.37	8.16	8.23	8.13	8.13	9.06
Sulphate, 2:1 water soluble	g/l	<0.003 g/l	0.003	x	9	9	0.0182	1.44	0.507155556	0.643189428	9	1.31	0.0533	0.211	0.044	0.122	0.0182	0.0359	1.44	1.33
Ammoniacal Nitrogen, exchangeable as NH4	mg/kg	<15 mg/kg	15	x	9	5	15	117	55.73333333	46.73197513	5	26.5	98.1	<15	<15	117	<15	116	84	<15
Boron, water soluble	mg/kg	<1 mg/kg	290	l	9	8	1	3.49	2.22	0.900458217	0	3.49	3.21	1.23	<1	1.91	3.04	2.63	1.83	1.64
Arsenic	mg/kg	<0.6 mg/kg	32	a	9	9	4.11	13.3	8.912222222	2.777709388	0	10.7	10.9	10.3	4.11	6.12	7.39	8.44	8.95	13.3
Chromium, Hexavalent	mg/kg	<0.6 mg/kg	4.3	l	9	0	0.6	1.2	-	-	0	<0.6	<0.6	<0.6	<0.6	<0.6	<1.2	<0.6	<0.6	<0.6
Cadmium	mg/kg	<0.02 mg/kg	10	a	9	9	0.0656	0.529	0.238855556	0.163077199	0	0.42	0.227	0.529	0.0656	0.0816	0.0755	0.197	0.208	0.346
Chromium	mg/kg	<0.9 mg/kg	3000	l	9	9	16.2	49.2	28.95555556	9.832740095	0	32.7	34.4	20.8	16.2	26.5	25.3	33.6	49.2	21.9
Copper	mg/kg	<1.4 mg/kg	2300	l	9	9	16.2	81.2	31.11111111	21.48280967	0	26.4	23.8	81.2	17.6	16.2	18.8	20.6	24.4	51
Lead	mg/kg	<0.7 mg/kg	450	y	9	9	13.9	97.4	29.8	26.45543422	0	25.3	97.4	21.1	21.5	14.2	13.9	18.4	17.4	39
Mercury	mg/kg	<0.14 mg/kg	1	a	9	0	0.14	0.14	-	-	0	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Nickel	mg/kg	<0.2 mg/kg	130	a	9	9	9.06	42.7	24.11777778	10.58453327	0	28.7	28	33.2	9.06	13.8	15.2	20.2	26.2	42.7
Selenium	mg/kg	<1 mg/kg	350	a	9	9	1.09	2.61	1.693333333	0.551973731	0	1.54	1.32	2.24	2.61	1.16	1.09	1.52	2.32	1.44
Zinc	mg/kg	<1.9 mg/kg	3800	l	9	9	63.4	172	96.98888889	34.07119181	0	113	113	172	71	63.9	63.4	88.4	85.2	103
Asbestos Containing Material Screen	N/A		-	-	0	0	#VALUE!	#VALUE!	-	-	0		No ACM Detected		No ACM Detecto ACM Detected					
Asbestos, Chrysotile (white)	N/A		-	-	0	0	0	0	-	-	0									
TPH 6 Split					0	0	0	0	-	-	0									
TPH >C6-C8	mg/kg	<10 mg/kg	370	l	6	0	10	10	-	-	0	<10	<10	<10				<10	<10	<10
TPH >C8-C10	mg/kg	<10 mg/kg	110	l	6	0	10	10	-	-	0	<10	<10	<10				<10	<10	<10
TPH >C10-C12	mg/kg	<10 mg/kg	346	l	6	0	10	10	-	-	0	<10	<10	<10				<10	<10	<10
TPH >C12-C16	mg/kg	<10 mg/kg	593	l	6	2	10	19.2	12.88333333	4.480364568	0	18.1	<10	<10				<10	<10	19.2
TPH >C16-C21	mg/kg	<10 mg/kg	770	l	6	5	10	167	62.68333333	54.7088445	0	37.8	<10	63.6				61.2	36.5	167
TPH >C21-C40	mg/kg	<10 mg/kg	1230	l	6	6	181	545	359	154.0792004	0	300	181	529				380	219	545
TPH >C6-C40	mg/kg	<10 mg/kg	-		6	6	189	731	433.3333333	204.8498637	0	362	189	601				451	266	731

Data Summary Statistics

Site:	DSDC Bicester Site D	**Project No:**	26999
Data Description:	Zone 1	**SOM (%):**	3.0%
Land Use:	Residential with Plant Uptake	**Completed By:**	RIDEJ
Receptor:	Human Health	**Checked By:**	

Assessment Criteria Key

a) 2009 SGV (Res with Plant)
b) 2009 SGV (Allotment)
c) 2009 SGV (Commercial/Industrial)
d) EIC GAC (Res with Plant)
e) EIC GAC (Res without Plant)
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n) LQM CIEH GAC (Commercial/Ind)
o) Dutch Intervention values
p) Dutch Target Values
q) Soil Code: Crops for Consumption
r) Soil Code: Sensitive Species
s) Soil Code: Grazing Animals
t) Soil Code: Background
u) BRE Special Digest
v) Other Generic Criteria
w) Site Specific Assessment Criteria
x) Laboratory limit of detection
y) CLR SGV for Lead (2002)

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data			
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	BHD01 BIFT 1.6-2.0 Nat	BHD01 BIFT 3.6-3.8 Nat	WSD14 BIFT 0.45-0.55 Nat	WSD14 BIFT 3.0-3.2 Nat
Inorganics					0	0	0	0	-	-	0				
Soil Organic Matter (SOM)	%	<0.35 %			1	1	3.07	3.07	3.07	-	0		3.07		
pH	pH Units	1 pH unit			4	4	5.91	8.13	6.905	0.920380356	0	6.9	6.68	8.13	5.91
Sulphate, 2:1 water soluble	g/l	<0.003 g/l	0.003	x	4	4	0.0682	1.69	1.25705	0.793841384	4	1.59	1.68	0.0682	1.69
Ammoniacal Nitrogen, exchangeable as NH4	mg/kg	<15 mg/kg	15	x	4	2	15	171	56.025	76.7450487	2	<15	23.1	171	<15
Boron, water soluble	mg/kg	<1 mg/kg	290	l	4	4	2.14	5.75	4.1375	1.503271433	0	2.14	4.09	4.57	5.75
Arsenic	mg/kg	<0.6 mg/kg	32	a	4	4	5.38	11.2	8.415	2.651320426	0	9.97	7.11	11.2	5.38
Chromium, Hexavalent	mg/kg	<0.6 mg/kg	4.3	l	4	0	0.6	0.6	-	-	0	<0.6	<0.6	<0.6	<0.6
Cadmium	mg/kg	<0.02 mg/kg	10	a	4	4	0.211	0.671	0.46375	0.19864772	0	0.559	0.211	0.414	0.671
Chromium	mg/kg	<0.9 mg/kg	3000	l	4	4	38.2	60.5	46.575	10.21547029	0	60.5	38.2	39.7	47.9
Copper	mg/kg	<1.4 mg/kg	2300	l	4	4	26.8	43.9	37.125	8.008901298	0	43.9	26.8	43	34.8
Lead	mg/kg	<0.7 mg/kg	450	y	4	4	11.4	24.5	15.85	5.923118548	0	11.4	14.7	24.5	12.8
Mercury	mg/kg	<0.14 mg/kg	0.51	h	4	0	0.14	0.14	-	-	0	<0.14	<0.14	<0.14	<0.14
Nickel	mg/kg	<0.2 mg/kg	130	a	4	4	35.6	56.5	45.1	9.187310089	0	48.1	35.6	40.2	56.5
Selenium	mg/kg	<1 mg/kg	350	a	4	4	1.65	4.33	2.7175	1.178908393	0	4.33	2.07	1.65	2.82
Zinc	mg/kg	<1.9 mg/kg	3800	l	4	4	80.1	155	127.775	34.71410616	0	152	80.1	124	155
Asbestos Containing Material Screen					0	0	0	0	-	-	0				
Asbestos, Chrysotile (white)					0	0	0	0	-	-	0				
TPH 6 Split					0	0	0	0	-	-	0				
TPH >C6-C8	mg/kg	<10 mg/kg	190	h	1	0	10	10	-	-	0				<10
TPH >C8-C10	mg/kg	<10 mg/kg	55	h	1	0	10	10	-	-	0				<10
TPH >C10-C12	mg/kg	<10 mg/kg	190	h	1	0	10	10	-	-	0				<10
TPH >C12-C16	mg/kg	<10 mg/kg	360	h	1	0	10	10	-	-	0				<10
TPH >C16-C21	mg/kg	<10 mg/kg	540	h	1	0	10	10	-	-	0				<10
TPH >C21-C40	mg/kg	<10 mg/kg	1100	h	1	1	276	276	276	-	0				276
TPH >C6-C40	mg/kg	<10 mg/kg	-		1	1	283	283	283	-	0				283
Organics					0	0	0	0	-	-	0				
Acenaphthene-d10 % recovery**	%				0	0	0	0	-	-	0				
Naphthalene-d8 % recovery**	%	%	-		1	1	108	108	108	-	0		108		
Acenaphthene-d10 % recovery**	%	%	-		1	1	105	105	105	-	0		105		
Phenanthrene-d10 % recovery**	%	%	-		1	1	104	104	104	-	0		104		
Chrysene-d12 % recovery**	%	%	-		1	1	93.1	93.1	93.1	-	0		93.1		
Perylene-d12 % recovery**	%	%	-		1	1	101	101	101	-	0		101		
Naphthalene	mg/kg	<0.009 mg/kg	4.4	h	1	1	0.0361	0.0361	0.0361	-	0		0.0361		
Acenaphthylene	mg/kg	<0.012 mg/kg	470	h	1	0	0.012	0.012	-	-	0		<0.012		
Acenaphthene	mg/kg	<0.008 mg/kg	560	h	1	1	0.0622	0.0622	0.0622	-	0		0.0622		
Fluorene	mg/kg	<0.01 mg/kg	440	h	1	1	0.0485	0.0485	0.0485	-	0		0.0485		
Phenanthrene	mg/kg	<0.015 mg/kg	230	h	1	1	0.251	0.251	0.251	-	0		0.251		
Anthracene	mg/kg	<0.016 mg/kg	5700	h	1	1	0.0731	0.0731	0.0731	-	0		0.0731		
Fluoranthene	mg/kg	<0.017 mg/kg	510	h	1	1	0.375	0.375	0.375	-	0		0.375		
Pyrene	mg/kg	<0.015 mg/kg	1200	h	1	1	0.326	0.326	0.326	-	0		0.326		
Benz(a)anthracene	mg/kg	<0.014 mg/kg	5	h	1	1	0.196	0.196	0.196	-	0		0.196		
Chrysene	mg/kg	<0.01 mg/kg	8.4	h	1	1	0.182	0.182	0.182	-	0		0.182		
Benzo(b)fluoranthene	mg/kg	<0.015 mg/kg	6.7	h	1	1	0.26	0.26	0.26	-	0		0.26		
Benzo(k)fluoranthene	mg/kg	<0.014 mg/kg	9.7	h	1	1	0.113	0.113	0.113	-	0		0.113		
Benzo(a)pyrene	mg/kg	<0.015 mg/kg	0.96	h	1	1	0.237	0.237	0.237	-	0		0.237		
Indeno(1,2,3-cd)pyrene	mg/kg	<0.018 mg/kg	3.9	h	1	1	0.138	0.138	0.138	-	0		0.138		
Dibenzo(a,h)anthracene	mg/kg	<0.023 mg/kg	0.87	h	1	1	0.043	0.043	0.043	-	0		0.043		
Benzo(g,h,i)perylene	mg/kg	<0.024 mg/kg	46	h	1	1	0.182	0.182	0.182	-	0		0.182		
Polyaromatic hydrocarbons, Total USEPA 16	mg/kg	<0.118 mg/kg	-		1	1	2.52	2.52	2.52	-	0		2.52		
TPHCWG					0	0	0	0	-	-	0				
Aliphatics >C5-C6	mg/kg	<0.01 mg/kg	63	h	1	0	0.01	0.01	-	-	0		<0.01		
Aliphatics >C6-C8	mg/kg	<0.01 mg/kg	190	h	1	0	0.01	0.01	-	-	0		<0.01		
Aliphatics >C8-C10	mg/kg	<0.01 mg/kg	55	h	1	0	0.01	0.01	-	-	0		<0.01		
Aliphatics >C10-C12	mg/kg	<0.01 mg/kg	270	h	1	0	0.01	0.01	-	-	0		<0.01		
Total Aliphatics >C5-C12	mg/kg	<0.01 mg/kg	0.01	x	1	0	0.01	0.01	-	-	0		<0.01		
Aromatics >C6-C7	mg/kg	<0.01 mg/kg	150	h	1	0	0.01	0.01	-	-	0		<0.01		
Aromatics >C7-C8	mg/kg	<0.01 mg/kg	230	h	1	0	0.01	0.01	-	-	0		<0.01		
Aromatics >EC8-EC10	mg/kg	<0.01 mg/kg	78	h	1	0	0.01	0.01	-	-	0		<0.01		
Aromatics >EC10-EC12	mg/kg	<0.01 mg/kg	190	h	1	0	0.01	0.01	-	-	0		<0.01		
Total Aromatics >C6-C12	mg/kg	<0.01 mg/kg	0.01	x	1	0	0.01	0.01	-	-	0		<0.01		
GRO Surrogate % recovery**	%	%	-	-	1	1	66	66	66	-	0		66		
Benzene	mg/kg	<0.01 mg/kg	0.18	h	1	0	0.01	0.01	-	-	0		<0.01		

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics: Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	Sample Identifiers and Analytical Data: BHD01 BIFT 1.6-2.0 Nat	BHD01 BIFT 3.6-3.8 Nat	WSD14 BIFT 0.45-0.55 Nat	WSD14 BIFT 3.0-3.2 Nat
Toluene	mg/kg	<0.002 mg/kg	320	h	1	0	0.002	0.002	-	-	0		<0.002		
Ethylbenzene	mg/kg	<0.003 mg/kg	180	h	1	0	0.003	0.003	-	-	0		<0.003		
m,p-Xylene	mg/kg	<0.06 mg/kg	120	h	1	0	0.006	0.006	-	-	0		<0.006		
o-Xylene	mg/kg	<0.003 mg/kg	120	h	1	0	0.003	0.003	-	-	0		<0.003		
m,p,o-Xylene	mg/kg	<0.01 mg/kg	120	h	1	0	0.01	0.01	-	-	0		<0.01		
BTEX, Total	mg/kg	<0.01 mg/kg	0.01	x	1	0	0.01	0.01	-	-	0		<0.01		
Methyl tertiary butyl ether (MTBE)	mg/kg	<0.005 mg/kg	96	h	1	0	0.005	0.005	-	-	0		<0.005		
GRO >C5-C12	mg/kg	<0.044 mg/kg	-		1	0	0.044	0.044	-	-	0		<0.044		
Aliphatics >C12-C16	mg/kg	<0.1 mg/kg	2000	h	1	1	7.75	7.75	7.75	-	0		7.75		
Aliphatics >C16-C21	mg/kg	<0.1 mg/kg	-		1	1	6.67	6.67	6.67	-	0		6.67		
Aliphatics >C16-C35	mg/kg	<0.1 mg/kg	67000	h	1	1	23.2	23.2	23.2	-	0		23.2		
Aliphatics >C21-C35	mg/kg	<0.1 mg/kg	-		1	1	16.6	16.6	16.6	-	0		16.6		
Aliphatics >C35-C44	mg/kg	<0.1 mg/kg	45000	h	1	1	3.39	3.39	3.39	-	0		3.39		
Total Aliphatics >C12-C44	mg/kg	<0.1 mg/kg	-		1	1	34.4	34.4	34.4	-	0		34.4		
Aromatics >EC12-EC16	mg/kg	<0.1 mg/kg	360	h	1	1	8.02	8.02	8.02	-	0		8.02		
Aromatics >EC16-EC21	mg/kg	<0.1 mg/kg	540	h	1	1	20.6	20.6	20.6	-	0		20.6		
Aromatics >EC21-EC35	mg/kg	<0.1 mg/kg	1100	h	1	1	50.3	50.3	50.3	-	0		50.3		
Aromatics >EC35-EC44	mg/kg	<0.1 mg/kg	1100	h	1	1	17.4	17.4	17.4	-	0		17.4		
Aromatics >EC40-EC44	mg/kg	<0.1 mg/kg	-		1	1	6.11	6.11	6.11	-	0		6.11		
Total Aromatics >EC12-EC44	mg/kg	<0.1 mg/kg	-		1	1	96.3	96.3	96.3	-	0		96.3		
Total Aliphatics >C5-C44	mg/kg	<0.1 mg/kg	-		1	1	34.4	34.4	34.4	-	0		34.4		
Total Aromatics >C6-C44	mg/kg	<0.1 mg/kg	-		1	1	96.3	96.3	96.3	-	0		96.3		
Total Aliphatics & Aromatics >C5-C44	mg/kg	<0.1 mg/kg	-		1	1	131	131	131	-	0		131		
Total Aliphatics >C5-35	mg/kg	<0.1 mg/kg	-		1	1	31	31	31	-	0		31		
Total Aromatics >C5-35	mg/kg	<0.1 mg/kg	-		1	1	78.9	78.9	78.9	-	0		78.9		
Total Aliphatics & Aromatics >C5-35	mg/kg	<0.1 mg/kg	-		1	1	110	110	110	-	0		110		
Other Organics					0	0	0	0	-	-	0				
PCBs (vs Aroclor 1254)	mg/kg	<0.035 mg/kg	0.035	x	1	0	0.035	0.035	-	-	0		<0.035		
Phenol	mg/kg	<0.1 mg/kg	320	h	1	0	0.1	0.1	-	-	0		<0.1		
Pentachlorophenol	mg/kg	<0.1 mg/kg	1.6	h	1	0	0.1	0.1	-	-	0		<0.1		
n-Nitroso-n-dipropylamine	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0		<0.1		
Nitrobenzene	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0		<0.1		
Isophorone	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0		<0.1		
Hexachloroethane	mg/kg	<0.1 mg/kg	0.57	h	1	0	0.1	0.1	-	-	0		<0.1		
Hexachlorocyclopentadiene	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0		<0.1		
Hexachlorobutadiene	mg/kg	<0.1 mg/kg	0.61	h	1	0	0.1	0.1	-	-	0		<0.1		
Hexachlorobenzene	mg/kg	<0.1 mg/kg	1.1	h	1	0	0.1	0.1	-	-	0		<0.1		
n-Dioctyl phthalate	mg/kg	<0.1 mg/kg	2900	x	1	0	0.1	0.1	-	-	0		<0.1		
Dimethyl phthalate	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0		<0.1		
Diethyl phthalate	mg/kg	<0.1 mg/kg	300	h	1	0	0.1	0.1	-	-	0		<0.1		
n-Dibutyl phthalate	mg/kg	<0.1 mg/kg	36	h	1	0	0.1	0.1	-	-	0		<0.1		
Dibenzofuran	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0		<0.1		
Carbazole	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0		<0.1		
Butylbenzyl phthalate	mg/kg	<0.1 mg/kg	4000	h	1	0	0.1	0.1	-	-	0		<0.1		
bis(2-Ethylhexyl) phthalate	mg/kg	<0.1 mg/kg	710	h	1	0	0.1	0.1	-	-	0		<0.1		
bis(2-Chloroethoxy)methane	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0		<0.1		
bis(2-Chloroethyl)ether	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0		<0.1		
Azobenzene	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0		<0.1		
4-Nitrophenol	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0		<0.1		
4-Nitroaniline	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0		<0.1		
4-Methylphenol	mg/kg	<0.1 mg/kg	210	h	1	0	0.1	0.1	-	-	0		<0.1		
4-Chlorophenylphenylether	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0		<0.1		
4-Chloroaniline	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0		<0.1		
4-Chloro-3-methylphenol	mg/kg	<0.1 mg/kg	2.3	h	1	0	0.1	0.1	-	-	0		<0.1		
4-Bromophenylphenylether	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0		<0.1		
3-Nitroaniline	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0		<0.1		
2-Nitrophenol	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0		<0.1		
2-Nitroaniline	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0		<0.1		
2-Methylphenol	mg/kg	<0.1 mg/kg	210	h	1	0	0.1	0.1	-	-	0		<0.1		
1,2,4-Trichlorobenzene	mg/kg	<0.1 mg/kg	5.4	h	1	0	0.1	0.1	-	-	0		<0.1		
2-Chlorophenol	mg/kg	<0.1 mg/kg	2.3	h	1	0	0.1	0.1	-	-	0		<0.1		
2,6-Dinitrotoluene	mg/kg	<0.1 mg/kg	2.1	h	1	0	0.1	0.1	-	-	0		<0.1		
2,4-Dinitrotoluene	mg/kg	<0.1 mg/kg	3.8	h	1	0	0.1	0.1	-	-	0		<0.1		
2,4-Dimethylphenol	mg/kg	<0.1 mg/kg	51	h	1	0	0.1	0.1	-	-	0		<0.1		
2,4-Dichlorophenol	mg/kg	<0.1 mg/kg	2.3	h	1	0	0.1	0.1	-	-	0		<0.1		
2,4,6-Trichlorophenol	mg/kg	<0.1 mg/kg	2.3	h	1	0	0.1	0.1	-	-	0		<0.1		
2,4,5-Trichlorophenol	mg/kg	<0.1 mg/kg	2.3	h	1	0	0.1	0.1	-	-	0		<0.1		
1,4-Dichlorobenzene	mg/kg	<0.1 mg/kg	86	h	1	0	0.1	0.1	-	-	0		<0.1		
1,3-Dichlorobenzene	mg/kg	<0.1 mg/kg	0.84	h	1	0	0.1	0.1	-	-	0		<0.1		

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics: Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	Sample Identifiers and Analytical Data: BHD01 BIFT 1.6-2.0 Nat	BHD01 BIFT 3.6-3.8 Nat	WSD14 BIFT 0.45-0.55 Nat	WSD14 BIFT 3.0-3.2 Nat
1,2-Dichlorobenzene	mg/kg	<0.1 mg/kg	46	h	1	0	0.1	0.1	-	-	0		<0.1		
2-Chloronaphthalene	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0		<0.1		
2-Methylnaphthalene	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0		<0.1		
Acenaphthylene	mg/kg	<0.1 mg/kg	470	h	1	0	0.1	0.1	-	-	0		<0.1		
Acenaphthene	mg/kg	<0.1 mg/kg	560	h	1	0	0.1	0.1	-	-	0		<0.1		
Anthracene	mg/kg	<0.1 mg/kg	5700	h	1	0	0.1	0.1	-	-	0		<0.1		
Benzo(a)anthracene	mg/kg	<0.1 mg/kg	5	h	1	0	0.1	0.1	-	-	0		<0.1		
Benzo(b)fluoranthene	mg/kg	<0.1 mg/kg	6.7	h	1	0	0.1	0.1	-	-	0		<0.1		
Benzo(k)fluoranthene	mg/kg	<0.1 mg/kg	9.7	h	1	0	0.1	0.1	-	-	0		<0.1		
Benzo(a)pyrene	mg/kg	<0.1 mg/kg	0.96	h	1	0	0.1	0.1	-	-	0		<0.1		
Benzo(g,h,i)perylene	mg/kg	<0.1 mg/kg	46	h	1	0	0.1	0.1	-	-	0		<0.1		
Chrysene	mg/kg	<0.1 mg/kg	8.4	h	1	0	0.1	0.1	-	-	0		<0.1		
Fluoranthene	mg/kg	<0.1 mg/kg	510	h	1	0	0.1	0.1	-	-	0		<0.1		
Fluorene	mg/kg	<0.1 mg/kg	440	h	1	0	0.1	0.1	-	-	0		<0.1		
Indeno(1,2,3-cd)pyrene	mg/kg	<0.1 mg/kg	3.9	h	1	0	0.1	0.1	-	-	0		<0.1		
Phenanthrene	mg/kg	<0.1 mg/kg	230	h	1	0	0.1	0.1	-	-	0		<0.1		
Pyrene	mg/kg	<0.1 mg/kg	1200	h	1	0	0.1	0.1	-	-	0		<0.1		
Naphthalene	mg/kg	<0.1 mg/kg	4.4	h	1	0	0.1	0.1	-	-	0		<0.1		
Dibenzo(a,h)anthracene	mg/kg	<0.1 mg/kg	0.87	h	1	0	0.1	0.1	-	-	0		<0.1		
Dibromofluoromethane**	%	%	-	-	1	1	89.6	89.6	89.6	-	0		89.6		
Toluene-d8**	%	%	-	-	1	1	91.8	91.8	91.8	-	0		91.8		
4-Bromofluorobenzene**	%	%	-	-	1	1	147	147	147	-	0		147		
Dichlorodifluoromethane	mg/kg	<0.004 mg/kg	-	-	1	0	0.004	0.004	-	-	0		<0.004		
Chloromethane	mg/kg	<0.007 mg/kg	0.01	h	1	0	0.007	0.007	-	-	0		<0.007		
Vinyl Chloride	mg/kg	<0.01 mg/kg	0.00069	h	1	0	0.01	0.01	-	-	1		<0.01		
Bromomethane	mg/kg	<0.013 mg/kg	0.013	x	1	0	0.013	0.013	-	-	0		<0.013		
Chloroethane	mg/kg	<0.014 mg/kg	12	h	1	0	0.014	0.014	-	-	0		<0.014		
Trichlorofluorormethane	mg/kg	<0.006 mg/kg	0.006	x	1	0	0.006	0.006	-	-	0		<0.006		
1.1-Dichloroethene	mg/kg	<0.01 mg/kg	0.46	h	1	0	0.01	0.01	-	-	0		<0.01		
Carbon Disulphide	mg/kg	<0.007 mg/kg	0.24	h	1	1	0.289	0.289	0.289	-	1		0.289		
Dichloromethane	mg/kg	<0.01 mg/kg	1.1	h	1	0	0.01	0.01	-	-	0		<0.01		
Methyl Tertiary Butyl Ether	mg/kg	<0.011 mg/kg	96	h	1	0	0.011	0.011	-	-	0		<0.011		
trans-1-2-Dichloroethene	mg/kg	<0.011 mg/kg	0.39	h	1	0	0.011	0.011	-	-	0		<0.011		
1.1-Dichloroethane	mg/kg	<0.008 mg/kg	4.4	h	1	0	0.008	0.008	-	-	0		<0.008		
cis-1-2-Dichloroethene	mg/kg	<0.005 mg/kg	0.22	h	1	0	0.005	0.005	-	-	0		<0.005		
2.2-Dichloropropane	mg/kg	<0.012 mg/kg	0.012	x	1	0	0.012	0.012	-	-	0		<0.012		
Bromochloromethane	mg/kg	<0.014 mg/kg	0.014	x	1	0	0.014	0.014	-	-	0		<0.014		
Chloroform	mg/kg	<0.008 mg/kg	1.5	h	1	0	0.008	0.008	-	-	0		<0.008		
1.1.1-Trichloroethane	mg/kg	<0.007 mg/kg	15	h	1	0	0.007	0.007	-	-	0		<0.007		
1.1-Dichloropropene	mg/kg	<0.011 mg/kg	0.011	x	1	0	0.011	0.011	-	-	0		<0.011		
Carbontetrachloride	mg/kg	<0.014 mg/kg	0.047	h	1	0	0.014	0.014	-	-	0		<0.014		
1.2-Dichloroethane	mg/kg	<0.005 mg/kg	0.0088	h	1	0	0.005	0.005	-	-	0		<0.005		
Benzene	mg/kg	<0.009 mg/kg	0.18	h	1	0	0.009	0.009	-	-	0		<0.009		
Trichloroethene	mg/kg	<0.009 mg/kg	0.26	h	1	0	0.009	0.009	-	-	0		<0.009		
1.2-Dichloropropane	mg/kg	<0.012 mg/kg	0.048	h	1	0	0.012	0.012	-	-	0		<0.012		
Dibromomethane	mg/kg	<0.009 mg/kg	0.009	x	1	0	0.009	0.009	-	-	0		<0.009		
Bromodichloromethane	mg/kg	<0.007 mg/kg	0.034	x	1	0	0.007	0.007	-	-	0		<0.007		
cis-1-3-Dichloropropene	mg/kg	<0.014 mg/kg	0.014	x	1	0	0.014	0.014	-	-	0		<0.014		
Toluene	mg/kg	<0.005 mg/kg	320	h	1	0	0.005	0.005	-	-	0		<0.005		
trans-1-3-Dichloropropene	mg/kg	<0.014 mg/kg	0.014	x	1	0	0.014	0.014	-	-	0		<0.014		
1.1.2-Trichloroethane	mg/kg	<0.01 mg/kg	1.5	h	1	0	0.01	0.01	-	-	0		<0.01		
1.3-Dichloropropane	mg/kg	<0.007 mg/kg	0.007	x	1	0	0.007	0.007	-	-	0		<0.007		
Tetrachloroethene	mg/kg	<0.005 mg/kg	0.005	h	1	0	0.005	0.005	-	-	0		<0.005		
Dibromochloromethane	mg/kg	<0.013 mg/kg	0.013	x	1	0	0.013	0.013	-	-	0		<0.013		
1.2-Dibromoethane	mg/kg	<0.012 mg/kg	0.012	x	1	0	0.012	0.012	-	-	0		<0.012		
Chorobenzene	mg/kg	<0.005 mg/kg	0.87	h	1	0	0.005	0.005	-	-	0		<0.005		
1.1.1.2-Tetrachloroethane	mg/kg	<0.01 mg/kg	2.5	h	1	0	0.01	0.01	-	-	0		<0.01		
Ethylbenzene	mg/kg	<0.004 mg/kg	180	h	1	0	0.004	0.004	-	-	0		<0.004		
p/m-Xylene	mg/kg	<0.014 mg/kg	120	h	1	0	0.014	0.014	-	-	0		<0.014		
o-Xylene	mg/kg	<0.01 mg/kg	120	h	1	0	0.01	0.01	-	-	0		<0.01		
Styrene	mg/kg	<0.01 mg/kg	22	h	1	0	0.01	0.01	-	-	0		<0.01		
Bromoform	mg/kg	<0.01 mg/kg	7	h	1	0	0.01	0.01	-	-	0		<0.01		
Isopropylbenzene	mg/kg	<0.005 mg/kg	32	h	1	0	0.005	0.005	-	-	0		<0.005		
1.1.2.2-Tetrachloroethane	mg/kg	<0.01 mg/kg	3.4	h	1	0	0.01	0.01	-	-	0		<0.01		
1.2.3-Trichloropropane	mg/kg	<0.017 mg/kg	0.017	x	1	0	0.017	0.017	-	-	0		<0.017		
Bromobenzene	mg/kg	<0.01 mg/kg	2.4	h	1	0	0.01	0.01	-	-	0		<0.01		
Propylbenzene	mg/kg	<0.011 mg/kg	98	h	1	0	0.011	0.011	-	-	0		<0.011		
2-Chlorotoluene	mg/kg	<0.009 mg/kg	0.009	x	1	0	0.009	0.009	-	-	0		<0.009		
1.3.5-Trimethylbenzene	mg/kg	<0.008 mg/kg	0.008	x	1	0	0.008	0.008	-	-	0		<0.008		
4-Chlorotoluene	mg/kg	<0.012 mg/kg	0.012	x	1	0	0.012	0.012	-	-	0		<0.012		
tert-Butylbenzene	mg/kg	<0.012 mg/kg	0.012	x	1	0	0.012	0.012	-	-	0		<0.012		
1.2.4-Trimethylbenzene	mg/kg	<0.009 mg/kg	1	h	1	0	0.009	0.009	-	-	0		<0.009		
sec-Butylbenzene	mg/kg	<0.01 mg/kg	0.01	x	1	0	0.01	0.01	-	-	0		<0.01		
4-Isopropyltoluene	mg/kg	<0.011 mg/kg	0.011	x	1	0	0.011	0.011	-	-	0		<0.011		
1.3-Dichlorobenzene	mg/kg	<0.006 mg/kg	0.84	h	1	0	0.006	0.006	-	-	0		<0.006		
1.4-Dichlorobenzene	mg/kg	<0.005 mg/kg	86	h	1	0	0.005	0.005	-	-	0		<0.005		
n-Butylbenzene	mg/kg	<0.01 mg/kg	0.01	x	1	0	0.01	0.01	-	-	0		<0.01		
1.2-Dichlorobenzene	mg/kg	<0.012 mg/kg	46	h	1	0	0.012	0.012	-	-	0		<0.012		
1.2-Dibromo-3-chloropropane	mg/kg	<0.014 mg/kg	0.014	x	1	0	0.014	0.014	-	-	0		<0.014		
Tert-amyl methyl ether	mg/kg	<0.015 mg/kg	0.015	x	1	0	0.015	0.015	-	-	0		<0.015		
1.2.4-Trichlorobenzene	mg/kg	<0.006 mg/kg	5.4	h	1	0	0.006	0.006	-	-	0		<0.006		
Hexachlorobutadiene	mg/kg	<0.012 mg/kg	0.61	h	1	0	0.012	0.012	-	-	0		<0.012		
Naphthalene	mg/kg	<0.013 mg/kg	4.4	h	1	0	0.013	0.013	-	-	0		<0.013		
1.2.3-Trichlorobenzene	mg/kg	<0.006 mg/kg	3.1	h	1	0	0.006	0.006	-	-	0		<0.006		

Data Summary Statistics

Site:	DSDC Bicester Site D	**Project No:**	26999
Data Description:	Zone 2	**SOM (%):**	6.0%
Land Use:	Residential with Plant Uptake	**Completed By:**	RIDEJ
Receptor:	Human Health	**Checked By:**	

Assessment Criteria Key

a) 2009 SGV (Res with Plant)
b) 2009 SGV (Allotment)
c) 2009 SGV (Commercial/Industrial)
d) EIC GAC (Res with Plant)
e) EIC GAC (Res without Plant)
f) EIC GAC (Allotment)
g) EIC GAC (Commercial/Ind)
h) Entec GAC (Res with Plant)
i) Entec GAC (Res without Plant)
j) Entec GAC (Allotment)
k) Entec GAC (Commercial/Ind)
l) LQM CIEH GAC (Res with Plant)
m) LQM CIEH GAC (Res without Plant)
n) LQM CIEH GAC (Commercial/Ind)
o) Dutch Intervention values
p) Dutch Target Values
q) Soil Code: Crops for Consumption
r) Soil Code: Sensitive Species
s) Soil Code: Grazing Animals
t) Soil Code: Background
u) BRE Special Digest
v) Other Generic Criteria
w) Site Specific Assessment Criteria
x) Laboratory limit of detection
y) CLR SGV for Lead (2002)

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics: Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	Sample Identifiers and Analytical Data: WSD1 D2 0.0-0.2 MG	WSD3 D6 0.1-0.2 MG	WSD5 D6 0.2-0.3 MG	WSD5 D6 0.6-0.7 MG	WSD6 D6 0.3-0.4 MG	WSD8 D6 0.0-01 MG	WSD9 D9 0.3-0.5 MG	WSD13 D9 0.1-0.3 MG	WSD16 intenance Yard 0.2-0.4 MG
Inorganics					0	0	0	0	-	-	0									
Soil Organic Matter (SOM)	%	<0.35 %	0.35		1	1	7.48	7.48	7.48	-	1				7.48					
pH	pH Units	1 pH unit			8	8	6.54	8.32	7.76	0.608276253	0	7.45		8.13	6.54	7.39	7.82	8.32	8.2	8.23
Sulphate, 2:1 water soluble	g/l	<0.003 g/l	0.003	x	8	8	0.0034	1.47	0.27655	0.487525434	8	0.0034		0.212	1.47	0.004	0.133	0.159	0.122	0.109
Ammoniacal Nitrogen, exchangeable as NH4	mg/kg	<15 mg/kg	15	x	8	0	15	15	-	-	0	<15		<15	<15	<15	<15	<15	<15	<15
Boron, water soluble	mg/kg	<1 mg/kg	290	l	8	5	1	3.93	2.1225	1.295638287	0	<1		3.81	1.56	3.93	3.19	<1	1.49	<1
Arsenic	mg/kg	<0.6 mg/kg	32	a	8	8	5.8	12.1	9.07375	2.090276383	0	10.1		9.59	5.8	6.94	7.71	9.65	12.1	10.7
Chromium, Hexavalent	mg/kg	<0.6 mg/kg	4.3	l	8	0	0.6	1.2	-	-	0	<1.2		<0.6	<0.6	<0.6	<1.2	<0.6	<0.6	<0.6
Cadmium	mg/kg	<0.02 mg/kg	10	a	8	8	0.0948	1	0.393975	0.28412111	0	0.426		0.353	0.16	1	0.21	0.384	0.0948	0.524
Chromium	mg/kg	<0.9 mg/kg	3000	l	8	8	15.6	76.4	48.0125	17.40783383	0	41.5		49.6	53.4	76.4	52.6	56.7	38.3	15.6
Copper	mg/kg	<1.4 mg/kg	2300	l	8	8	22.6	50.4	31.9875	10.56807017	0	28.1		26	44.4	50.4	23.8	36.5	24.1	22.6
Lead	mg/kg	<0.7 mg/kg	450	y	8	8	13.7	40.3	23.75	8.488647882	0	26.9		17.1	13.7	19.9	24.8	29.1	18.2	40.3
Mercury	mg/kg	<0.14 mg/kg	1	a	8	0	0.14	0.14	-	-	0	<0.14		<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Nickel	mg/kg	<0.2 mg/kg	130	a	8	8	18.1	56.7	33.8125	13.78564859	0	18.1		44.6	34.4	56.7	23.4	44.4	29.3	19.6
Selenium	mg/kg	<1 mg/kg	350	a	8	6	1	3.61	1.9825	1.028045997	0	1.54		1.98	3.61	3.46	1.95	1.32	<1	<1
Zinc	mg/kg	<1.9 mg/kg	3800	l	8	8	83.9	149	112.825	27.4324495	0	92.4		120	85.6	146	83.9	149	92.7	133
Asbestos Containing Material Screen			-	-	0	0	#VALUE!	#VALUE!	-	-	0	o ACM Detectible ACM Detected					No ACM Detected			
Asbestos, Chrysotile (white)			-	-	0	0	#VALUE!	#VALUE!	-	-	0		Detected							
TPH 6 Split					0	0	0	0	-	-	0									
TPH >C6-C8	mg/kg	<10 mg/kg	370	l	3	0	10	10	-	-	0	<10					<10	<10		
TPH >C8-C10	mg/kg	<10 mg/kg	110	l	3	0	10	10	-	-	0	<10					<10	<10		
TPH >C10-C12	mg/kg	<10 mg/kg	346	l	3	0	10	10	-	-	0	<10					<10	<10		
TPH >C12-C16	mg/kg	<10 mg/kg	593	l	3	0	10	10	-	-	0	<10					<10	<10		
TPH >C16-C21	mg/kg	<10 mg/kg	770	l	3	2	10	42.8	21.86666667	18.18277573	0	42.8					<10	12.8		
TPH >C21-C40	mg/kg	<10 mg/kg	1230	l	3	3	119	491	248	210.5777766	0	491					119	134		
TPH >C6-C40	mg/kg	<10 mg/kg	-		3	3	127	538	272	230.6750962	0	538					127	151		
Organics					0	0	0	0	-	-	0									
Acenaphthene-d10 % recovery**	%				0	0	0	0	-	-	0									
Naphthalene-d8 % recovery**	%	%	-		1	1	107	107	107	-	0				107					
Acenaphthene-d10 % recovery**	%	%	-		1	1	110	110	110	-	0				110					
Phenanthrene-d10 % recovery**	%	%	-		1	1	116	116	116	-	0				116					
Chrysene-d12 % recovery**	%	%	-		1	1	103	103	103	-	0				103					
Perylene-d12 % recovery**	%	%	-		1	1	111	111	111	-	0				111					
Naphthalene	mg/kg	<0.009 mg/kg	8.7	l	1	1	0.0636	0.0636	0.0636	-	0				0.0636					
Acenaphthylene	mg/kg	<0.012 mg/kg	850	l	1	0	0.012	0.012	-	-	0				<0.012					
Acenaphthene	mg/kg	<0.008 mg/kg	1000	l	1	1	0.134	0.134	0.134	-	0				0.134					
Fluorene	mg/kg	<0.01 mg/kg	780	l	1	1	0.783	0.783	0.783	-	0				0.783					
Phenanthrene	mg/kg	<0.015 mg/kg	380	l	1	1	1.55	1.55	1.55	-	0				1.55					
Anthracene	mg/kg	<0.016 mg/kg	9200	l	1	1	0.264	0.264	0.264	-	0				0.264					
Fluoranthene	mg/kg	<0.017 mg/kg	670	l	1	1	0.0626	0.0626	0.0626	-	0				0.0626					
Pyrene	mg/kg	<0.015 mg/kg	1600	l	1	1	0.106	0.106	0.106	-	0				0.106					
Benz(a)anthracene	mg/kg	<0.014 mg/kg	5.9	l	1	0	0.014	0.014	-	-	0				<0.014					
Chrysene	mg/kg	<0.01 mg/kg	9.3	l	1	1	0.0281	0.0281	0.0281	-	0				0.0281					
Benzo(b)fluoranthene	mg/kg	<0.015 mg/kg	7	l	1	0	0.015	0.015	-	-	0				<0.015					
Benzo(k)fluoranthene	mg/kg	<0.014 mg/kg	10	l	1	0	0.014	0.014	-	-	0				<0.014					
Benzo(a)pyrene	mg/kg	<0.015 mg/kg	1	l	1	0	0.015	0.015	-	-	0				<0.015					
Indeno(1,2,3-cd)pyrene	mg/kg	<0.018 mg/kg	4.2	l	1	0	0.018	0.018	-	-	0				<0.018					
Dibenzo(a,h)anthracene	mg/kg	<0.023 mg/kg	0.9	l	1	0	0.023	0.023	-	-	0				<0.023					
Benzo(g,h,i)perylene	mg/kg	<0.024 mg/kg	47	l	1	0	0.024	0.024	-	-	0				<0.024					
Polyaromatic hydrocarbons, Total USEPA 16	mg/kg	<0.118 mg/kg	-		1	1	2.99	2.99	2.99	-	0				2.99					
TPHCWG					0	0	0	0	-	-	0									
Aliphatics >C5-C6	mg/kg	<0.01 mg/kg	110	h	1	1	0.0218	0.0218	0.0218	-	0				0.0218					
Aliphatics >C6-C8	mg/kg	<0.01 mg/kg	370	h	1	1	0.166	0.166	0.166	-	0				0.166					
Aliphatics >C8-C10	mg/kg	<0.01 mg/kg	110	h	1	1	0.862	0.862	0.862	-	0				0.862					
Aliphatics >C10-C12	mg/kg	<0.01 mg/kg	540	h	1	1	2.65	2.65	2.65	-	0				2.65					
Total Aliphatics >C5-C12	mg/kg	<0.01 mg/kg	-		1	1	3.7	3.7	3.7	-	0				3.7					
Aromatics >C6-C7	mg/kg	<0.01 mg/kg	280	h	1	0	0.01	0.01	-	-	0				<0.01					
Aromatics >C7-C8	mg/kg	<0.01 mg/kg	611	h	1	0	0.01	0.01	-	-	0				<0.01					
Aromatics >EC8-EC10	mg/kg	<0.01 mg/kg	151	h	1	1	1.29	1.29	1.29	-	0				1.29					
Aromatics >EC10-EC12	mg/kg	<0.01 mg/kg	346	h	1	1	3.97	3.97	3.97	-	0				3.97					
Total Aromatics >C6-C12	mg/kg	<0.01 mg/kg	-		1	1	5.26	5.26	5.26	-	0				5.26					
GRO Surrogate % recovery**	%	%	-		1	1	49	49	49	-	0				49					
Benzene	mg/kg	<0.01 mg/kg	0.33	a	1	0	0.01	0.01	-	-	0				<0.01					

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data								
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	WSD1	WSD3	WSD5	WSD5	WSD6	WSD8	WSD9	WSD13	WSD16
												D2	D6	D6	D6	D6	D6	D9	D9	intenance Yard
												0.0-0.2	0.1-0.2	0.2-0.3	0.6-0.7	0.3-0.4	0.0-01	0.3-0.5	0.1-0.3	0.2-0.4
												MG	MG	MG	MG	MG	MG	MG	MG	MG
Toluene	mg/kg	<0.002 mg/kg	610	a	1	0	0.002	0.002	-	-	0				<0.002					
Ethylbenzene	mg/kg	<0.003 mg/kg	350	a	1	0	0.003	0.003	-	-	0				<0.003					
m,p-Xylene	mg/kg	<0.06 mg/kg	230	a	1	0	0.006	0.006	-	-	0				<0.006					
o-Xylene	mg/kg	<0.003 mg/kg	230	a	1	0	0.003	0.003	-	-	0				<0.003					
m,p,o-Xylene	mg/kg	<0.01 mg/kg	230	a	1	0	0.01	0.01	-	-	0				<0.01					
BTEX, Total	mg/kg	<0.01 mg/kg	0.01	x	1	0	0.01	0.01	-	-	0				<0.01					
Methyl tertiary butyl ether (MTBE)	mg/kg	<0.005 mg/kg	160	d	1	0	0.005	0.005	-	-	0				<0.005					
GRO >C5-C12	mg/kg	<0.044 mg/kg	-		1	1	8.96	8.96	8.96	-	0				8.96					
Aliphatics >C12-C16	mg/kg	<0.1 mg/kg	3000	h	1	1	192	192	192	-	0				192					
Aliphatics >C16-C21	mg/kg	<0.1 mg/kg	-		1	1	333	333	333	-	0				333					
Aliphatics >C16-C35	mg/kg	<0.1 mg/kg	76000	h	1	1	490	490	490	-	0				490					
Aliphatics >C21-C35	mg/kg	<0.1 mg/kg	-		1	1	157	157	157	-	0				157					
Aliphatics >C35-C44	mg/kg	<0.1 mg/kg	76000	h	1	0	0.1	0.1	-	-	0				<0.1					
Total Aliphatics >C12-C44	mg/kg	<0.1 mg/kg	-		1	1	682	682	682	-	0				682					
Aromatics >EC12-EC16	mg/kg	<0.1 mg/kg	593	h	1	1	24.7	24.7	24.7	-	0				24.7					
Aromatics >EC16-EC21	mg/kg	<0.1 mg/kg	770	h	1	1	53.9	53.9	53.9	-	0				53.9					
Aromatics >EC21-EC35	mg/kg	<0.1 mg/kg	1230	h	1	1	59.5	59.5	59.5	-	0				59.5					
Aromatics >EC35-EC44	mg/kg	<0.1 mg/kg	1230	h	1	1	16.4	16.4	16.4	-	0				16.4					
Aromatics >EC40-EC44	mg/kg	<0.1 mg/kg	-		1	1	5.39	5.39	5.39	-	0				5.39					
Total Aromatics >EC12-EC44	mg/kg	<0.1 mg/kg	-		1	1	154	154	154	-	0				154					
Total Aliphatics >C5-C44	mg/kg	<0.1 mg/kg	-		1	1	686	686	686	-	0				686					
Total Aromatics >C6-C44	mg/kg	<0.1 mg/kg	-		1	1	160	160	160	-	0				160					
Total Aliphatics & Aromatics >C5-C44	mg/kg	<0.1 mg/kg	-		1	1	845	845	845	-	0				845					
Total Aliphatics >C5-35	mg/kg	<0.1 mg/kg	-		1	1	686	686	686	-	0				686					
Total Aromatics >C5-35	mg/kg	<0.1 mg/kg	-		1	1	143	143	143	-	0				143					
Total Aliphatics & Aromatics >C5-35	mg/kg	<0.1 mg/kg	-		1	1	829	829	829	-	0				829					
Other Organics					0	0	0	0	-	-	0									
PCBs (vs Aroclor 1254)	mg/kg	<0.035 mg/kg	0.035	x	1	0	0.035	0.035	-	-	0				<0.035					
Phenol	mg/kg	<0.1 mg/kg	420	a	1	0	0.1	0.1	-	-	0				<0.1					
Pentachlorophenol	mg/kg	<0.1 mg/kg	2.96	l	1	0	0.1	0.1	-	-	0				<0.1					
n-Nitroso-n-dipropylamine	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1					
Nitrobenzene	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1					
Isophorone	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1					
Hexachloroethane	mg/kg	<0.1 mg/kg	1.1	d	1	0	0.1	0.1	-	-	0				<0.1					
Hexachlorocyclopentadiene	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1					
Hexachlorobutadiene	mg/kg	<0.1 mg/kg	1.2	l	1	0	0.1	0.1	-	-	0				<0.1					
Hexachlorobenzene	mg/kg	<0.1 mg/kg	1.4	l	1	0	0.1	0.1	-	-	0				<0.1					
n-Dioctyl phthalate	mg/kg	<0.1 mg/kg	3100	d	1	0	0.1	0.1	-	-	0				<0.1					
Dimethyl phthalate	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1					
Diethyl phthalate	mg/kg	<0.1 mg/kg	570	d	1	0	0.1	0.1	-	-	0				<0.1					
n-Dibutyl phthalate	mg/kg	<0.1 mg/kg	67	d	1	0	0.1	0.1	-	-	0				<0.1					
Dibenzofuran	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1					
Carbazole	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1					
Butylbenzyl phthalate	mg/kg	<0.1 mg/kg	7200	d	1	0	0.1	0.1	-	-	0				<0.1					
bis(2-Ethylhexyl) phthalate	mg/kg	<0.1 mg/kg	1100	d	1	0	0.1	0.1	-	-	0				<0.1					
bis(2-Chloroethoxy)methane	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1					
bis(2-Chloroethyl)ether	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1					
Azobenzene	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1					
4-Nitrophenol	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1					
4-Nitroaniline	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1					
4-Methylphenol	mg/kg	<0.1 mg/kg	400	d	1	0	0.1	0.1	-	-	0				<0.1					
4-Chlorophenylphenylether	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1					
4-Chloroaniline	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1					
4-Chloro-3-methylphenol	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1					
4-Bromophenylphenylether	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1					
3-Nitroaniline	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1					
2-Nitrophenol	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1					
2-Nitroaniline	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1					
2-Methylphenol	mg/kg	<0.1 mg/kg	400	d	1	0	0.1	0.1	-	-	0				<0.1					
1,2,4-Trichlorobenzene	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1					
2-Chlorophenol	mg/kg	<0.1 mg/kg	4.4	l	1	0	0.1	0.1	-	-	0				<0.1					
2,6-Dinitrotoluene	mg/kg	<0.1 mg/kg	3.9	d	1	0	0.1	0.1	-	-	0				<0.1					
2,4-Dinitrotoluene	mg/kg	<0.1 mg/kg	7.2	d	1	1	0.184	0.184	0.184	-	0				0.184					
2,4-Dimethylphenol	mg/kg	<0.1 mg/kg	97	d	1	0	0.1	0.1	-	-	0				<0.1					
2,4-Dichlorophenol	mg/kg	<0.1 mg/kg	4.4	l	1	0	0.1	0.1	-	-	0				<0.1					
2,4,6-Trichlorophenol	mg/kg	<0.1 mg/kg	4.4	l	1	0	0.1	0.1	-	-	0				<0.1					
2,4,5-Trichlorophenol	mg/kg	<0.1 mg/kg	4.4	l	1	0	0.1	0.1	-	-	0				<0.1					
1,4-Dichlorobenzene	mg/kg	<0.1 mg/kg	167	l	1	0	0.1	0.1	-	-	0				<0.1					
1,3-Dichlorobenzene	mg/kg	<0.1 mg/kg	1.7	l	1	0	0.1	0.1	-	-	0				<0.1					

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics: Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	Sample Identifiers and Analytical Data: WSD1	WSD3	WSD5	WSD5	WSD6	WSD8	WSD9	WSD13	WSD16
												D2	D6	D6	D6	D6	D6	D9	D9	intenance Yard
												0.0-0.2	0.1-0.2	0.2-0.3	0.6-0.7	0.3-0.4	0.0-01	0.3-0.5	0.1-0.3	0.2-0.4
												MG	MG	MG	MG	MG	MG	MG	MG	MG
1,2-Dichlorobenzene	mg/kg	<0.1 mg/kg	91	l	1	0	0.1	0.1	-	-	0				<0.1					
2-Chloronaphthalene	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1					
2-Methylnaphthalene	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1					
Acenaphthylene	mg/kg	<0.1 mg/kg	850	l	1	0	0.1	0.1	-	-	0				<0.1					
Acenaphthene	mg/kg	<0.1 mg/kg	1000	l	1	0	0.1	0.1	-	-	0				<0.1					
Anthracene	mg/kg	<0.1 mg/kg	9200	l	1	0	0.1	0.1	-	-	0				<0.1					
Benzo(a)anthracene	mg/kg	<0.1 mg/kg	5.9	l	1	0	0.1	0.1	-	-	0				<0.1					
Benzo(b)fluoranthene	mg/kg	<0.1 mg/kg	7	l	1	0	0.1	0.1	-	-	0				<0.1					
Benzo(k)fluoranthene	mg/kg	<0.1 mg/kg	10	l	1	0	0.1	0.1	-	-	0				<0.1					
Benzo(a)pyrene	mg/kg	<0.1 mg/kg	1	l	1	0	0.1	0.1	-	-	0				<0.1					
Benzo(g,h,i)perylene	mg/kg	<0.1 mg/kg	47	l	1	0	0.1	0.1	-	-	0				<0.1					
Chrysene	mg/kg	<0.1 mg/kg	9.3	l	1	0	0.1	0.1	-	-	0				<0.1					
Fluoranthene	mg/kg	<0.1 mg/kg	670	l	1	0	0.1	0.1	-	-	0				<0.1					
Fluorene	mg/kg	<0.1 mg/kg	780	l	1	1	0.229	0.229	0.229	-	0				0.229					
Indeno(1,2,3-cd)pyrene	mg/kg	<0.1 mg/kg	4.2	l	1	0	0.1	0.1	-	-	0				<0.1					
Phenanthrene	mg/kg	<0.1 mg/kg	380	l	1	1	0.406	0.406	0.406	-	0				0.406					
Pyrene	mg/kg	<0.1 mg/kg	1600	l	1	0	0.1	0.1	-	-	0				<0.1					
Naphthalene	mg/kg	<0.1 mg/kg	8.7	l	1	0	0.1	0.1	-	-	0				<0.1					
Dibenzo(a,h)anthracene	mg/kg	<0.1 mg/kg	0.9	l	1	0	0.1	0.1	-	-	0				<0.1					
Dibromofluoromethane**	%	%	-		1	1	90.5	90.5	90.5	-	0				90.5					
Toluene-d8**	%	%	-		1	1	88.1	88.1	88.1	-	0				88.1					
4-Bromofluorobenzene**	%	%	-		1	1	167	167	167	-	0				167					
Dichlorodifluoromethane	mg/kg	<0.004 mg/kg	0.004	x	1	0	0.004	0.004	-	-	0				<0.004					
Chloromethane	mg/kg	<0.007 mg/kg	0.013	d	1	0	0.007	0.007	-	-	0				<0.007					
Vinyl Chloride	mg/kg	<0.01 mg/kg	0.00099	l	1	0	0.01	0.01	-	-	1				<0.01					
Bromomethane	mg/kg	<0.013 mg/kg	0.013	x	1	0	0.013	0.013	-	-	0				<0.013					
Chloroethane	mg/kg	<0.014 mg/kg	18	d	1	0	0.014	0.014	-	-	0				<0.014					
Trichlorofluorormethane	mg/kg	<0.006 mg/kg	0.006	x	1	0	0.006	0.006	-	-	0				<0.006					
1.1-Dichloroethene	mg/kg	<0.01 mg/kg	0.82	d	1	0	0.01	0.01	-	-	0				<0.01					
Carbon Disulphide	mg/kg	<0.007 mg/kg	0.44	l	1	1	0.0403	0.0403	0.0403	-	0				0.0403					
Dichloromethane	mg/kg	<0.01 mg/kg	1.7	d	1	0	0.01	0.01	-	-	0				<0.01					
Methyl Tertiary Butyl Ether	mg/kg	<0.011 mg/kg	160	d	1	0	0.011	0.011	-	-	0				<0.011					
trans-1-2-Dichloroethene	mg/kg	<0.011 mg/kg	0.7	d	1	0	0.011	0.011	-	-	0				<0.011					
1.1-Dichloroethane	mg/kg	<0.008 mg/kg	7.4	d	1	0	0.008	0.008	-	-	0				<0.008					
cis-1-2-Dichloroethene	mg/kg	<0.005 mg/kg	0.37	d	1	0	0.005	0.005	-	-	0				<0.005					
2.2-Dichloropropane	mg/kg	<0.012 mg/kg	0.012	x	1	0	0.012	0.012	-	-	0				<0.012					
Bromochloromethane	mg/kg	<0.014 mg/kg	0.014	x	1	0	0.014	0.014	-	-	0				<0.014					
Chloroform	mg/kg	<0.008 mg/kg	2.7	l	1	0	0.008	0.008	-	-	0				<0.008					
1.1.1-Trichloroethane	mg/kg	<0.007 mg/kg	28	l	1	0	0.007	0.007	-	-	0				<0.007					
1.1-Dichloropropene	mg/kg	<0.011 mg/kg	0.011	x	1	0	0.011	0.011	-	-	0				<0.011					
Carbontetrachloride	mg/kg	<0.014 mg/kg	0.089	l	1	0	0.014	0.014	-	-	0				<0.014					
1.2-Dichloroethane	mg/kg	<0.005 mg/kg	0.014	l	1	0	0.005	0.005	-	-	0				<0.005					
Benzene	mg/kg	<0.009 mg/kg	0.33	a	1	0	0.009	0.009	-	-	0				<0.009					
Trichloroethene	mg/kg	<0.009 mg/kg	0.49	l	1	0	0.009	0.009	-	-	0				<0.009					
1.2-Dichloropropane	mg/kg	<0.012 mg/kg	0.084	d	1	0	0.012	0.012	-	-	0				<0.012					
Dibromomethane	mg/kg	<0.009 mg/kg	0.009	x	1	0	0.009	0.009	-	-	0				<0.009					
Bromodichloromethane	mg/kg	<0.007 mg/kg	0.061	d	1	0	0.007	0.007	-	-	0				<0.007					
cis-1-3-Dichloropropene	mg/kg	<0.014 mg/kg	0.014	x	1	0	0.014	0.014	-	-	0				<0.014					
Toluene	mg/kg	<0.005 mg/kg	610	a	1	0	0.005	0.005	-	-	0				<0.005					
trans-1-3-Dichloropropene	mg/kg	<0.014 mg/kg	0.014	x	1	0	0.014	0.014	-	-	0				<0.014					
1.1.2-Trichloroethane	mg/kg	<0.01 mg/kg	1	d	1	0	0.01	0.01	-	-	0				<0.01					
1.3-Dichloropropane	mg/kg	<0.007 mg/kg	0.007	x	1	0	0.007	0.007	-	-	0				<0.007					
Tetrachloroethene	mg/kg	<0.005 mg/kg	4.8	l	1	0	0.005	0.005	-	-	0				<0.005					
Dibromochloromethane	mg/kg	<0.013 mg/kg	0.013	x	1	0	0.013	0.013	-	-	0				<0.013					
1.2-Dibromoethane	mg/kg	<0.012 mg/kg	0.012	x	1	0	0.012	0.012	-	-	0				<0.012					
Chorobenzene	mg/kg	<0.005 mg/kg	1.7	l	1	0	0.005	0.005	-	-	0				<0.005					
1.1.1.2-Tetrachloroethane	mg/kg	<0.01 mg/kg	4.8	l	1	0	0.01	0.01	-	-	0				<0.01					
Ethylbenzene	mg/kg	<0.004 mg/kg	350	a	1	0	0.004	0.004	-	-	0				<0.004					
p/m-Xylene	mg/kg	<0.014 mg/kg	230	a	1	0	0.014	0.014	-	-	0				<0.014					
o-Xylene	mg/kg	<0.01 mg/kg	230	a	1	0	0.01	0.01	-	-	0				<0.01					
Styrene	mg/kg	<0.01 mg/kg	43	d	1	0	0.01	0.01	-	-	0				<0.01					
Bromoform	mg/kg	<0.01 mg/kg	13	d	1	0	0.01	0.01	-	-	0				<0.01					
Isopropylbenzene	mg/kg	<0.005 mg/kg	64	d	1	1	0.0468	0.0468	0.0468	-	0				0.0468					
1.1.2.2-Tetrachloroethane	mg/kg	<0.01 mg/kg	6.3	l	1	0	0.01	0.01	-	-	0				<0.01					
1.2.3-Trichloropropane	mg/kg	<0.017 mg/kg	0.017	x	1	0	0.017	0.017	-	-	0				<0.017					
Bromobenzene	mg/kg	<0.01 mg/kg	4.7	d	1	0	0.01	0.01	-	-	0				<0.01					
Propylbenzene	mg/kg	<0.011 mg/kg	190	d	1	1	0.0502	0.0502	0.0502	-	0				0.0502					
2-Chlorotoluene	mg/kg	<0.009 mg/kg	0.009	x	1	0	0.009	0.009	-	-	0				<0.009					
1.3.5-Trimethylbenzene	mg/kg	<0.008 mg/kg	0.008	x	1	0	0.008	0.008	-	-	0				<0.008					
4-Chlorotoluene	mg/kg	<0.012 mg/kg	0.012	x	1	0	0.012	0.012	-	-	0				<0.012					
tert-Butylbenzene	mg/kg	<0.012 mg/kg	0.012	x	1	0	0.012	0.012	-	-	0				<0.012					
1.2.4-Trimethylbenzene	mg/kg	<0.009 mg/kg	2	d	1	1	0.0175	0.0175	0.0175	-	0				0.0175					
sec-Butylbenzene	mg/kg	<0.01 mg/kg	-		1	1	0.229	0.229	0.229	-	0				0.229					
4-Isopropyltoluene	mg/kg	<0.011 mg/kg	-		1	1	0.0553	0.0553	0.0553	-	0				0.0553					
1.3-Dichlorobenzene	mg/kg	<0.006 mg/kg	1.7	l	1	0	0.006	0.006	-	-	0				<0.006					
1.4-Dichlorobenzene	mg/kg	<0.005 mg/kg	167	l	1	0	0.005	0.005	-	-	0				<0.005					
n-Butylbenzene	mg/kg	<0.01 mg/kg	0.01	x	1	0	0.01	0.01	-	-	0				<0.01					
1.2-Dichlorobenzene	mg/kg	<0.012 mg/kg	91	l	1	0	0.012	0.012	-	-	0				<0.012					
1.2-Dibromo-3-chloropropane	mg/kg	<0.014 mg/kg	0.014	x	1	0	0.014	0.014	-	-	0				<0.014					
Tert-amyl methyl ether	mg/kg	<0.015 mg/kg	0.015	x	1	0	0.015	0.015	-	-	0				<0.015					
1.2.4-Trichlorobenzene	mg/kg	<0.006 mg/kg	11	l	1	0	0.006	0.006	-	-	0				<0.006					
Hexachlorobutadiene	mg/kg	<0.012 mg/kg	1.2	l	1	0	0.012	0.012	-	-	0				<0.012					
Naphthalene	mg/kg	<0.013 mg/kg	8.7	l	1	0	0.013	0.013	-	-	0				<0.013					
1.2.3-Trichlorobenzene	mg/kg	<0.006 mg/kg	6.1	l	1	0	0.006	0.006	-	-	0				<0.006					

Data Summary Statistics

Site:	DSDC Bicester Site D	**Project No:**	26999
Data Description:	Zone 2	**SOM (%):**	3.0%
Land Use:	Residential with Plant Uptake	**Completed By:**	RIDEJ
Receptor:	Human Health	**Checked By:**	

Assessment Criteria Key

a) 2009 SGV (Res with Plant)
b) 2009 SGV (Allotment)
c) 2009 SGV (Commercial/Industrial)
d) EIC GAC (Res with Plant)
e) EIC GAC (Res without Plant)
f) EIC GAC (Allotment)
g) EIC GAC (Commercial/Ind)
h) Entec GAC (Res with Plant)
i) Entec GAC (Res without Plant)
j) Entec GAC (Allotment)
k) Entec GAC (Commercial/Ind)
l) LQM CIEH GAC (Res with Plant)
m) LQM CIEH GAC (Res without Plant)
n) LQM CIEH GAC (Commercial/Ind)
o) Dutch Intervention values
p) Dutch Target Values
q) Soil Code: Crops for Consumption
r) Soil Code: Sensitive Species
s) Soil Code: Grazing Animals
t) Soil Code: Background
u) BRE Special Digest
v) Other Generic Criteria
w) Site Specific Assessment Criteria
x) Laboratory limit of detection
y) CLR SGV for Lead (2002)

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data											
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	WSD2	WSD2	WSD4	WSD6	WSD7	WSD9	WSD10	WSD11	WSD12	WSD16	WSD16	WSD17
												D2	D2	D6	D6	D6	D9	D9	D9	D9	intenance Y	intenance Y	intenance yard
												0.2-0.4	1.2-1.4	0.5-0.6	2.0-2.1	0.5-0.6	3.8-4.0	1.6-1.9	2.9-3.1	1.5-1.7	0.5-0.7	1.4-1.6	2.8-3.0
												Nat	Nat	Nat	Nat	Nat	Nat	Nat	Nat	Nat	Nat	Nat	Nat
Inorganics					0	0	0	0	-	-	0												
Soil Organic Matter (SOM)	%	<0.35 %	0.35		5	5	1.9	9.69	4.004	3.281330523	5		1.9		9.69			2.62			1.91		3.9
pH	pH Units	1 pH unit			12	12	5.16	8.13	6.304166667	1.065623661	0	5.26	6.25	8.13	5.66	5.58	5.77	5.16	5.38	7.1	7.47	7.91	5.98
Sulphate, 2:1 water soluble	g/l	<0.003 g/l	0.003	x	12	12	0.212	1.8	1.057583333	0.7314759	12	0.222	0.231	0.212	1.63	1.09	1.61	1.75	1.77	1.8	0.308	0.308	1.76
Ammoniacal Nitrogen, exchangeable as NH4	mg/kg	<15 mg/kg	15	x	12	3	15	114	26.4	28.54186717	3	<15	<15	<15	32.3	<15	<15	<15	<15	<15	114	<15	35.5
Boron, water soluble	mg/kg	<1 mg/kg	290	l	12	11	1	5.29	2.661666667	1.469649515	0	2.28	2.37	3.81	5.29	1.33	1.86	2.72	5.22	1.27	1.53	<1	3.26
Arsenic	mg/kg	<0.6 mg/kg	32	a	12	12	6.11	32.5	10.10333333	7.152266435	1	8.44	7.59	9.59	7.16	8.28	32.5	8.09	7.49	8.84	10.4	6.75	6.11
Chromium, Hexavalent	mg/kg	<0.6 mg/kg	4.3	l	12	0	0.6	1.2	-	-	0	<0.6	<0.6	<0.6	<0.6	<1.2	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Cadmium	mg/kg	<0.02 mg/kg	10	a	12	7	0.02	2.2	0.407916667	0.626182294	0	0.21	0.205	0.353	0.888	<0.02	<0.2	<0.02	<0.02	<0.02	0.645	2.2	0.114
Chromium	mg/kg	<0.9 mg/kg	3000	l	12	11	9	59.4	41.41666667	15.80108358	0	59.4	35.1	49.6	53.9	53.6	<9	20.7	27.9	58.1	47.5	37	45.2
Copper	mg/kg	<1.4 mg/kg	2300	l	12	12	10.8	42.7	28.10833333	10.22994342	0	36.1	15.6	26	37.6	29.4	42.7	10.8	19.4	36.2	18.2	28.1	37.2
Lead	mg/kg	<0.7 mg/kg	450	y	12	11	6.38	20.1	13.23083333	4.432925277	0	20.1	14.1	17.1	11.8	16.5	<7	6.38	9.29	12.8	19.3	12	12.4
Mercury	mg/kg	<0.14 mg/kg	0.51	h	12	0	0.14	1.4	-	-	1	<0.14	<0.14	<0.14	<0.14	<0.14	<1.4	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Nickel	mg/kg	<0.2 mg/kg	130	a	12	12	14.2	113	45.075	34.4659285	0	16.7	14.2	44.6	108	23.3	61.2	61.1	23.4	31.2	25.7	113	18.5
Selenium	mg/kg	<1 mg/kg	350	a	12	11	1.15	10	2.725833333	2.44704073	0	2.1	1.15	1.98	3.22	1.93	<10	1.29	1.35	3.62	1.2	3.27	1.6
Zinc	mg/kg	<1.9 mg/kg	3800	l	12	12	33	392	116.8916667	108.9552657	0	75.1	33	120	288	79.7	56.9	74	53.7	83.5	97	392	49.8
Asbestos Containing Material Screen					0	0	0	0	-	-	0												
Asbestos, Chrysotile (white)					0	0	0	0	-	-	0												
TPH 6 Split					0	0	0	0	-	-	0												
TPH >C6-C8	mg/kg	<10 mg/kg	190	h	6	0	10	10	-	-	0		<10		<10			<10	<10	<10		<10	
TPH >C8-C10	mg/kg	<10 mg/kg	55	h	6	0	10	10	-	-	0		<10		<10			<10	<10	<10		<10	
TPH >C10-C12	mg/kg	<10 mg/kg	190	h	6	0	10	10	-	-	0		<10		<10			<10	<10	<10		<10	
TPH >C12-C16	mg/kg	<10 mg/kg	360	h	6	0	10	10	-	-	0		<10		<10			<10	<10	<10		<10	
TPH >C16-C21	mg/kg	<10 mg/kg	540	h	6	1	10	26.9	12.81666667	-	0		<10		26.9			<10	<10	<10		<10	
TPH >C21-C40	mg/kg	<10 mg/kg	1100	h	6	4	10	348	105.7333333	131.2967123	0		<10		348			128	124	14.4		<10	
TPH >C6-C40	mg/kg	<10 mg/kg	-		6	4	10	381	113.0666667	143.8561318	0		<10		381			135	128	14.4		<10	
Organics					0	0	0	0	-	-	0												
Acenaphthene-d10 % recovery**	%				0	0	0	0	-	-	0												
Naphthalene-d8 % recovery**	%	%	-		2	2	105	108	106.5	2.121320344	0						105				108		
Acenaphthene-d10 % recovery**	%	%	-		2	2	102	105	103.5	2.121320344	0						102				105		
Phenanthrene-d10 % recovery**	%	%	-		2	2	104	105	104.5	0.707106781	0						104				105		
Chrysene-d12 % recovery**	%	%	-		2	2	88.7	88.9	88.8	0.141421356	0						88.7				88.9		
Perylene-d12 % recovery**	%	%	-		2	2	94.8	97.2	96	1.697056275	0						94.8				97.2		
Naphthalene	mg/kg	<0.009 mg/kg	4.4	h	2	1	0.009	0.0164	0.0127	-	0						<0.009				0.0164		
Acenaphthylene	mg/kg	<0.012 mg/kg	470	h	2	0	0.012	0.012	-	-	0						<0.012				<0.012		
Acenaphthene	mg/kg	<0.008 mg/kg	560	h	2	0	0.008	0.008	-	-	0						<0.008				<0.008		
Fluorene	mg/kg	<0.01 mg/kg	440	h	2	0	0.01	0.01	-	-	0						<0.01				<0.01		
Phenanthrene	mg/kg	<0.015 mg/kg	230	h	2	1	0.015	0.0437	0.02935	-	0						<0.015				0.0437		
Anthracene	mg/kg	<0.016 mg/kg	5700	h	2	0	0.016	0.016	-	-	0						<0.016				<0.016		
Fluoranthene	mg/kg	<0.017 mg/kg	510	h	2	1	0.017	0.121	0.069	-	0						<0.017				0.121		
Pyrene	mg/kg	<0.015 mg/kg	1200	h	2	1	0.015	0.111	0.063	-	0						<0.015				0.111		
Benz(a)anthracene	mg/kg	<0.014 mg/kg	5	h	2	1	0.014	0.09	0.052	-	0						<0.014				0.09		
Chrysene	mg/kg	<0.01 mg/kg	8.4	h	2	1	0.01	0.0711	0.04055	-	0						<0.01				0.0711		
Benzo(b)fluoranthene	mg/kg	<0.015 mg/kg	6.7	h	2	1	0.015	0.128	0.0715	-	0						<0.015				0.128		
Benzo(k)fluoranthene	mg/kg	<0.014 mg/kg	9.7	h	2	1	0.014	0.0418	0.0279	-	0						<0.014				0.0418		
Benzo(a)pyrene	mg/kg	<0.015 mg/kg	0.96	h	2	1	0.015	0.0646	0.0398	-	0						<0.015				0.0646		
Indeno(1,2,3-cd)pyrene	mg/kg	<0.018 mg/kg	3.9	h	2	1	0.018	0.0428	0.0304	-	0						<0.018				0.0428		
Dibenzo(a,h)anthracene	mg/kg	<0.023 mg/kg	0.87	h	2	0	0.023	0.023	-	-	0						<0.023				<0.023		
Benzo(g,h,i)perylene	mg/kg	<0.024 mg/kg	46	h	2	1	0.024	0.0589	0.04145	-	0						<0.024				0.0589		
Polyaromatic hydrocarbons, Total USEPA 16	mg/kg	<0.118 mg/kg	-		2	1	0.118	0.79	0.454	-	0						<0.118				0.79		
TPHCWG					0	0	0	0	-	-	0												
Aliphatics >C5-C6	mg/kg	<0.01 mg/kg	63	h	2	1	0.01	0.0199	0.01495	-	0						0.0199				<0.01		
Aliphatics >C6-C8	mg/kg	<0.01 mg/kg	190	h	2	1	0.01	0.0745	0.04225	-	0						0.0745				<0.01		
Aliphatics >C8-C10	mg/kg	<0.01 mg/kg	55	h	2	1	0.01	0.0177	0.01385	-	0						0.0177				<0.01		
Aliphatics >C10-C12	mg/kg	<0.01 mg/kg	270	h	2	1	0.01	0.0362	0.0231	-	0						0.0362				<0.01		
Total Aliphatics >C5-C12	mg/kg	<0.01 mg/kg	-		2	1	0.01	0.148	0.079	-	0						0.148				<0.01		
Aromatics >C6-C7	mg/kg	<0.01 mg/kg	150	h	2	0	0.01	0.01	-	-	0						<0.01				<0.01		
Aromatics >C7-C8	mg/kg	<0.01 mg/kg	230	h	2	0	0.01	0.01	-	-	0						<0.01				<0.01		
Aromatics >EC8-EC10	mg/kg	<0.01 mg/kg	78	h	2	1	0.01	0.0266	0.0183	-	0						0.0266				<0.01		
Aromatics >EC10-EC12	mg/kg	<0.01 mg/kg	190	h	2	1	0.01	0.0543	0.03215	-	0						0.0543				<0.01		
Total Aromatics >C6-C12	mg/kg	<0.01 mg/kg	-		2	1	0.01	0.0809	0.04545	-	0						0.0809				<0.01		
GRO Surrogate % recovery**	%	%	-		2	2	45	101	73	39.59797975	0						45				101		
Benzene	mg/kg	<0.01 mg/kg	0.18	h	2	0	0.01	0.01	-	-	0						<0.01				<0.01		

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics: Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC
Toluene	mg/kg	<0.002 mg/kg	320	h	2	0	0.002	0.002	-	-	0
Ethylbenzene	mg/kg	<0.003 mg/kg	180	h	2	0	0.003	0.003	-	-	0
m,p-Xylene	mg/kg	<0.06 mg/kg	120	h	2	0	0.006	0.006	-	-	0
o-Xylene	mg/kg	<0.003 mg/kg	120	h	2	0	0.003	0.003	-	-	0
m,p,o-Xylene	mg/kg	<0.01 mg/kg	120	h	2	0	0.01	0.01	-	-	0
BTEX, Total	mg/kg	<0.01 mg/kg	0.01	x	2	0	0.01	0.01	-	-	0
Methyl tertiary butyl ether (MTBE)	mg/kg	<0.005 mg/kg	96	h	2	0	0.005	0.005	-	-	0
GRO >C5-C12	mg/kg	<0.044 mg/kg	-		2	1	0.044	0.238	0.141	-	0
Aliphatics >C12-C16	mg/kg	<0.1 mg/kg	2000	h	2	1	0.1	4.99	2.545	-	0
Aliphatics >C16-C21	mg/kg	<0.1 mg/kg	-		2	1	0.1	2.69	1.395	-	0
Aliphatics >C16-C35	mg/kg	<0.1 mg/kg	67000	h	2	2	2.08	12	7.04	7.014499269	0
Aliphatics >C21-C35	mg/kg	<0.1 mg/kg	-		2	2	2.08	9.31	5.695	5.112382028	0
Aliphatics >C35-C44	mg/kg	<0.1 mg/kg	45000	h	2	0	0.1	0.1	-	-	0
Total Aliphatics >C12-C44	mg/kg	<0.1 mg/kg	-		2	2	2.08	17	9.54	10.55003318	0
Aromatics >EC12-EC16	mg/kg	<0.1 mg/kg	360	h	2	1	0.1	2.83	1.465	-	0
Aromatics >EC16-EC21	mg/kg	<0.1 mg/kg	540	h	2	2	0.406	4.83	2.618	3.1282404	0
Aromatics >EC21-EC35	mg/kg	<0.1 mg/kg	1100	h	2	2	14.1	20	17.05	4.171930009	0
Aromatics >EC35-EC44	mg/kg	<0.1 mg/kg	1100	h	2	2	4.4	8.06	6.23	2.588010819	0
Aromatics >EC40-EC44	mg/kg	<0.1 mg/kg	-		2	1	0.1	3.27	1.685	-	0
Total Aromatics >EC12-EC44	mg/kg	<0.1 mg/kg	-		2	2	24.8	29.9	27.35	3.606244584	0
Total Aliphatics >C5-C44	mg/kg	<0.1 mg/kg	-		2	2	2.08	17.1	9.59	10.62074385	0
Total Aromatics >C6-C44	mg/kg	<0.1 mg/kg	-		2	2	24.8	29.9	27.35	3.606244584	0
Total Aliphatics & Aromatics >C5-C44	mg/kg	<0.1 mg/kg	-		2	2	26.9	47.1	37	14.28355698	0
Total Aliphatics >C5-35	mg/kg	<0.1 mg/kg	-		2	2	2.08	17.1	9.59	10.62074385	0
Total Aromatics >C5-35	mg/kg	<0.1 mg/kg	-		2	2	20.4	21.9	21.15	1.060660172	0
Total Aliphatics & Aromatics >C5-35	mg/kg	<0.1 mg/kg	-		2	2	22.5	39	30.75	11.66726189	0
Other Organics					0	0	0	0	-	-	0
PCBs (vs Aroclor 1254)	mg/kg	<0.035 mg/kg	0.035	x	1	0	0.035	0.035	-	-	0
Phenol	mg/kg	<0.1 mg/kg	320	h	2	0	0.1	0.1	-	-	0
Pentachlorophenol	mg/kg	<0.1 mg/kg	1.6	h	2	0	0.1	0.1	-	-	0
n-Nitroso-n-dipropylamine	mg/kg	<0.1 mg/kg	0.1	x	2	0	0.1	0.1	-	-	0
Nitrobenzene	mg/kg	<0.1 mg/kg	0.1	x	2	0	0.1	0.1	-	-	0
Isophorone	mg/kg	<0.1 mg/kg	0.1	x	2	0	0.1	0.1	-	-	0
Hexachloroethane	mg/kg	<0.1 mg/kg	0.57	h	2	0	0.1	0.1	-	-	0
Hexachlorocyclopentadiene	mg/kg	<0.1 mg/kg	0.1	x	2	0	0.1	0.1	-	-	0
Hexachlorobutadiene	mg/kg	<0.1 mg/kg	0.61	h	2	0	0.1	0.1	-	-	0
Hexachlorobenzene	mg/kg	<0.1 mg/kg	1.1	h	2	0	0.1	0.1	-	-	0
n-Dioctyl phthalate	mg/kg	<0.1 mg/kg	2900	h	2	0	0.1	0.1	-	-	0
Dimethyl phthalate	mg/kg	<0.1 mg/kg	0.1	x	2	0	0.1	0.1	-	-	0
Diethyl phthalate	mg/kg	<0.1 mg/kg	300	h	2	0	0.1	0.1	-	-	0
n-Dibutyl phthalate	mg/kg	<0.1 mg/kg	36	h	2	0	0.1	0.1	-	-	0
Dibenzofuran	mg/kg	<0.1 mg/kg	0.1	x	2	0	0.1	0.1	-	-	0
Carbazole	mg/kg	<0.1 mg/kg	0.1	x	2	0	0.1	0.1	-	-	0
Butylbenzyl phthalate	mg/kg	<0.1 mg/kg	4000	h	2	0	0.1	0.1	-	-	0
bis(2-Ethylhexyl) phthalate	mg/kg	<0.1 mg/kg	710	h	2	0	0.1	0.1	-	-	0
bis(2-Chloroethoxy)methane	mg/kg	<0.1 mg/kg	0.1	x	2	0	0.1	0.1	-	-	0
bis(2-Chloroethyl)ether	mg/kg	<0.1 mg/kg	0.1	x	2	0	0.1	0.1	-	-	0
Azobenzene	mg/kg	<0.1 mg/kg	0.1	x	2	0	0.1	0.1	-	-	0
4-Nitrophenol	mg/kg	<0.1 mg/kg	0.1	x	2	0	0.1	0.1	-	-	0
4-Nitroaniline	mg/kg	<0.1 mg/kg	0.1	x	2	0	0.1	0.1	-	-	0
4-Methylphenol	mg/kg	<0.1 mg/kg	210	h	2	0	0.1	0.1	-	-	0
4-Chlorophenylphenylether	mg/kg	<0.1 mg/kg	0.1	x	2	0	0.1	0.1	-	-	0
4-Chloroaniline	mg/kg	<0.1 mg/kg	0.1	x	2	0	0.1	0.1	-	-	0
4-Chloro-3-methylphenol	mg/kg	<0.1 mg/kg	2.3	h	2	0	0.1	0.1	-	-	0
4-Bromophenylphenylether	mg/kg	<0.1 mg/kg	0.1	x	2	0	0.1	0.1	-	-	0
3-Nitroaniline	mg/kg	<0.1 mg/kg	0.1	x	2	0	0.1	0.1	-	-	0
2-Nitrophenol	mg/kg	<0.1 mg/kg	0.1	x	2	0	0.1	0.1	-	-	0
2-Nitroaniline	mg/kg	<0.1 mg/kg	0.1	x	2	0	0.1	0.1	-	-	0
2-Methylphenol	mg/kg	<0.1 mg/kg	210	h	2	0	0.1	0.1	-	-	0
1,2,4-Trichlorobenzene	mg/kg	<0.1 mg/kg	5.4	h	2	0	0.1	0.1	-	-	0
2-Chlorophenol	mg/kg	<0.1 mg/kg	2.3	h	2	0	0.1	0.1	-	-	0
2,6-Dinitrotoluene	mg/kg	<0.1 mg/kg	2.1	h	2	0	0.1	0.1	-	-	0
2,4-Dinitrotoluene	mg/kg	<0.1 mg/kg	3.8	h	2	0	0.1	0.1	-	-	0
2,4-Dimethylphenol	mg/kg	<0.1 mg/kg	51	h	2	0	0.1	0.1	-	-	0
2,4-Dichlorophenol	mg/kg	<0.1 mg/kg	2.3	h	2	0	0.1	0.1	-	-	0
2,4,6-Trichlorophenol	mg/kg	<0.1 mg/kg	2.3	h	2	0	0.1	0.1	-	-	0
2,4,5-Trichlorophenol	mg/kg	<0.1 mg/kg	2.3	h	2	0	0.1	0.1	-	-	0
1,4-Dichlorobenzene	mg/kg	<0.1 mg/kg	86	h	2	0	0.1	0.1	-	-	0
1,3-Dichlorobenzene	mg/kg	<0.1 mg/kg	0.84	h	2	0	0.1	0.1	-	-	0

Sample Identifiers and Analytical Data

Contaminant	WSD2 D2 0.2-0.4 Nat	WSD2 D2 1.2-1.4 Nat	WSD4 D6 0.5-0.6 Nat	WSD6 D6 2.0-2.1 Nat	WSD7 D6 0.5-0.6 Nat	WSD9 D9 3.8-4.0 Nat	WSD10 D9 1.6-1.9 Nat	WSD11 D9 2.9-3.1 Nat	WSD12 D9 1.5-1.7 Nat	WSD16 intenance Y 0.5-0.7 Nat	WSD16 intenance Y 1.4-1.6 Nat	WSD17 intenance yard 2.8-3.0 Nat
Toluene						<0.002				<0.002		
Ethylbenzene						<0.003				<0.003		
m,p-Xylene						<0.006				<0.006		
o-Xylene						<0.003				<0.003		
m,p,o-Xylene						<0.01				<0.01		
BTEX, Total						<0.01				<0.01		
Methyl tertiary butyl ether (MTBE)						<0.005				<0.005		
GRO >C5-C12						0.238				<0.044		
Aliphatics >C12-C16						4.99				<0.1		
Aliphatics >C16-C21						2.69				<0.1		
Aliphatics >C16-C35						12				2.08		
Aliphatics >C21-C35						9.31				2.08		
Aliphatics >C35-C44						<0.1				<0.1		
Total Aliphatics >C12-C44						17				2.08		
Aromatics >EC12-EC16						2.83				<0.1		
Aromatics >EC16-EC21						4.83				0.406		
Aromatics >EC21-EC35						14.1				20		
Aromatics >EC35-EC44						8.06				4.4		
Aromatics >EC40-EC44						3.27				<0.1		
Total Aromatics >EC12-EC44						29.9				24.8		
Total Aliphatics >C5-C44						17.1				2.08		
Total Aromatics >C6-C44						29.9				24.8		
Total Aliphatics & Aromatics >C5-C44						47.1				26.9		
Total Aliphatics >C5-35						17.1				2.08		
Total Aromatics >C5-35						21.9				20.4		
Total Aliphatics & Aromatics >C5-35						39				22.5		
Other Organics												
PCBs (vs Aroclor 1254)										<0.035		
Phenol						<0.1				<0.1		
Pentachlorophenol						<0.1				<0.1		
n-Nitroso-n-dipropylamine						<0.1				<0.1		
Nitrobenzene						<0.1				<0.1		
Isophorone						<0.1				<0.1		
Hexachloroethane						<0.1				<0.1		
Hexachlorocyclopentadiene						<0.1				<0.1		
Hexachlorobutadiene						<0.1				<0.1		
Hexachlorobenzene						<0.1				<0.1		
n-Dioctyl phthalate						<0.1				<0.1		
Dimethyl phthalate						<0.1				<0.1		
Diethyl phthalate						<0.1				<0.1		
n-Dibutyl phthalate						<0.1				<0.1		
Dibenzofuran						<0.1				<0.1		
Carbazole						<0.1				<0.1		
Butylbenzyl phthalate						<0.1				<0.1		
bis(2-Ethylhexyl) phthalate						<0.1				<0.1		
bis(2-Chloroethoxy)methane						<0.1				<0.1		
bis(2-Chloroethyl)ether						<0.1				<0.1		
Azobenzene						<0.1				<0.1		
4-Nitrophenol						<0.1				<0.1		
4-Nitroaniline						<0.1				<0.1		
4-Methylphenol						<0.1				<0.1		
4-Chlorophenylphenylether						<0.1				<0.1		
4-Chloroaniline						<0.1				<0.1		
4-Chloro-3-methylphenol						<0.1				<0.1		
4-Bromophenylphenylether						<0.1				<0.1		
3-Nitroaniline						<0.1				<0.1		
2-Nitrophenol						<0.1				<0.1		
2-Nitroaniline						<0.1				<0.1		
2-Methylphenol						<0.1				<0.1		
1,2,4-Trichlorobenzene						<0.1				<0.1		
2-Chlorophenol						<0.1				<0.1		
2,6-Dinitrotoluene						<0.1				<0.1		
2,4-Dinitrotoluene						<0.1				<0.1		
2,4-Dimethylphenol						<0.1				<0.1		
2,4-Dichlorophenol						<0.1				<0.1		
2,4,6-Trichlorophenol						<0.1				<0.1		
2,4,5-Trichlorophenol						<0.1				<0.1		
1,4-Dichlorobenzene						<0.1				<0.1		
1,3-Dichlorobenzene						<0.1				<0.1		

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data											
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	WSD2	WSD2	WSD4	WSD6	WSD7	WSD9	WSD10	WSD11	WSD12	WSD16	WSD16	WSD17
												D2	D2	D6	D6	D6	D9	D9	D9	D9	intenance Y	intenance Y	intenance yard
												0.2-0.4	1.2-1.4	0.5-0.6	2.0-2.1	0.5-0.6	3.8-4.0	1.6-1.9	2.9-3.1	1.5-1.7	0.5-0.7	1.4-1.6	2.8-3.0
												Nat	Nat	Nat	Nat	Nat	Nat	Nat	Nat	Nat	Nat	Nat	Nat
1,2-Dichlorobenzene	mg/kg	<0.1 mg/kg	46	h	2	0	0.1	0.1	-	-	0						<0.1				<0.1		
2-Chloronaphthalene	mg/kg	<0.1 mg/kg	0.1	x	2	0	0.1	0.1	-	-	0						<0.1				<0.1		
2-Methylnaphthalene	mg/kg	<0.1 mg/kg	0.1	x	2	0	0.1	0.1	-	-	0						<0.1				<0.1		
Acenaphthylene	mg/kg	<0.1 mg/kg	470	h	2	0	0.1	0.1	-	-	0						<0.1				<0.1		
Acenaphthene	mg/kg	<0.1 mg/kg	560	h	2	0	0.1	0.1	-	-	0						<0.1				<0.1		
Anthracene	mg/kg	<0.1 mg/kg	5700	h	2	0	0.1	0.1	-	-	0						<0.1				<0.1		
Benzo(a)anthracene	mg/kg	<0.1 mg/kg	5	h	2	1	0.1	0.137	0.1185	-	0						<0.1				0.137		
Benzo(b)fluoranthene	mg/kg	<0.1 mg/kg	6.7	h	2	1	0.1	0.13	0.115	-	0						<0.1				0.13		
Benzo(k)fluoranthene	mg/kg	<0.1 mg/kg	9.7	h	2	1	0.1	0.131	0.1155	-	0						<0.1				0.131		
Benzo(a)pyrene	mg/kg	<0.1 mg/kg	0.96	h	2	1	0.1	0.171	0.1355	-	0						<0.1				0.171		
Benzo(g,h,i)perylene	mg/kg	<0.1 mg/kg	46	h	2	0	0.1	0.1	-	-	0						<0.1				<0.1		
Chrysene	mg/kg	<0.1 mg/kg	8.4	h	2	1	0.1	0.168	0.134	-	0						<0.1				0.168		
Fluoranthene	mg/kg	<0.1 mg/kg	510	h	2	1	0.1	0.245	0.1725	-	0						<0.1				0.245		
Fluorene	mg/kg	<0.1 mg/kg	440	h	2	0	0.1	0.1	-	-	0						<0.1				<0.1		
Indeno(1,2,3-cd)pyrene	mg/kg	<0.1 mg/kg	3.9	h	2	0	0.1	0.1	-	-	0						<0.1				<0.1		
Phenanthrene	mg/kg	<0.1 mg/kg	230	h	2	0	0.1	0.1	-	-	0						<0.1				<0.1		
Pyrene	mg/kg	<0.1 mg/kg	1200	h	2	1	0.1	0.248	0.174	-	0						<0.1				0.248		
Naphthalene	mg/kg	<0.1 mg/kg	4.4	h	2	0	0.1	0.1	-	-	0						<0.1				<0.1		
Dibenzo(a,h)anthracene	mg/kg	<0.1 mg/kg	0.87	h	2	0	0.1	0.1	-	-	0						<0.1				<0.1		
Dibromofluoromethane**	%	%	-		2	2	97.7	102	99.85	3.040559159	0						97.7				102		
Toluene-d8**	%	%	-		2	2	93.6	98.7	96.15	3.606244584	0						93.6				98.7		
4-Bromofluorobenzene**	%	%	-		2	2	126	142	134	11.3137085	0						142				126		
Dichlorodifluoromethane	mg/kg	<0.004 mg/kg	0.004	x	2	0	0.004	0.004	-	-	0						<0.004				<0.004		
Chloromethane	mg/kg	<0.007 mg/kg	0.01	h	2	0	0.007	0.007	-	-	0						<0.007				<0.007		
Vinyl Chloride	mg/kg	<0.01 mg/kg	0.00069	h	2	0	0.01	0.01	-	-	2						<0.01				<0.01		
Bromomethane	mg/kg	<0.013 mg/kg	0.013	x	2	0	0.013	0.013	-	-	0						<0.013				<0.013		
Chloroethane	mg/kg	<0.014 mg/kg	12	h	2	0	0.014	0.014	-	-	0						<0.014				<0.014		
Trichlorofluorormethane	mg/kg	<0.006 mg/kg	0.006	x	2	0	0.006	0.006	-	-	0						<0.006				<0.006		
1.1-Dichloroethene	mg/kg	<0.01 mg/kg	0.46	h	2	0	0.01	0.01	-	-	0						<0.01				<0.01		
Carbon Disulphide	mg/kg	<0.007 mg/kg	0.24	h	2	1	0.007	0.0312	0.0191	-	0						<0.007				0.0312		
Dichloromethane	mg/kg	<0.01 mg/kg	1.1	h	2	0	0.01	0.01	-	-	0						<0.01				<0.01		
Methyl Tertiary Butyl Ether	mg/kg	<0.011 mg/kg	96	h	2	0	0.011	0.011	-	-	0						<0.011				<0.011		
trans-1-2-Dichloroethene	mg/kg	<0.011 mg/kg	0.39	h	2	0	0.011	0.011	-	-	0						<0.011				<0.011		
1.1-Dichloroethane	mg/kg	<0.008 mg/kg	4.4	h	2	0	0.008	0.008	-	-	0						<0.008				<0.008		
cis-1-2-Dichloroethene	mg/kg	<0.005 mg/kg	0.22	h	2	0	0.005	0.005	-	-	0						<0.005				<0.005		
2.2-Dichloropropane	mg/kg	<0.012 mg/kg	0.012	x	2	0	0.012	0.012	-	-	0						<0.012				<0.012		
Bromochloromethane	mg/kg	<0.014 mg/kg	0.014	x	2	0	0.014	0.014	-	-	0						<0.014				<0.014		
Chloroform	mg/kg	<0.008 mg/kg	1.5	h	2	0	0.008	0.008	-	-	0						<0.008				<0.008		
1.1.1-Trichloroethane	mg/kg	<0.007 mg/kg	15	h	2	0	0.007	0.007	-	-	0						<0.007				<0.007		
1.1-Dichloropropene	mg/kg	<0.011 mg/kg	0.011	x	2	0	0.011	0.011	-	-	0						<0.011				<0.011		
Carbontetrachloride	mg/kg	<0.014 mg/kg	0.047	h	2	0	0.014	0.014	-	-	0						<0.014				<0.014		
1.2-Dichloroethane	mg/kg	<0.005 mg/kg	0.0088	h	2	0	0.005	0.005	-	-	0						<0.005				<0.005		
Benzene	mg/kg	<0.009 mg/kg	0.18	h	2	0	0.009	0.009	-	-	0						<0.009				<0.009		
Trichloroethene	mg/kg	<0.009 mg/kg	0.26	h	2	1	0.009	0.0768	0.0429	-	0						0.0768				<0.009		
1.2-Dichloropropane	mg/kg	<0.012 mg/kg	0.048	h	2	0	0.012	0.012	-	-	0						<0.012				<0.012		
Dibromomethane	mg/kg	<0.009 mg/kg	0.009	x	2	0	0.009	0.009	-	-	0						<0.009				<0.009		
Bromodichloromethane	mg/kg	<0.007 mg/kg	0.034	x	2	0	0.007	0.007	-	-	0						<0.007				<0.007		
cis-1-3-Dichloropropene	mg/kg	<0.014 mg/kg	0.014	x	2	0	0.014	0.014	-	-	0						<0.014				<0.014		
Toluene	mg/kg	<0.005 mg/kg	320	h	2	0	0.005	0.005	-	-	0						<0.005				<0.005		
trans-1-3-Dichloropropene	mg/kg	<0.014 mg/kg	0.014	x	2	0	0.014	0.014	-	-	0						<0.014				<0.014		
1.1.2-Trichloroethane	mg/kg	<0.01 mg/kg	1.5	h	2	0	0.01	0.01	-	-	0						<0.01				<0.01		
1.3-Dichloropropane	mg/kg	<0.007 mg/kg	0.007	x	2	0	0.007	0.007	-	-	0						<0.007				<0.007		
Tetrachloroethene	mg/kg	<0.005 mg/kg	2.5	h	2	0	0.005	0.005	-	-	0						<0.005				<0.005		
Dibromochloromethane	mg/kg	<0.013 mg/kg	0.013	x	2	0	0.013	0.013	-	-	0						<0.013				<0.013		
1.2-Dibromoethane	mg/kg	<0.012 mg/kg	0.012	x	2	0	0.012	0.012	-	-	0						<0.012				<0.012		
Chorobenzene	mg/kg	<0.005 mg/kg	0.87	h	2	0	0.005	0.005	-	-	0						<0.005				<0.005		
1.1.1.2-Tetrachloroethane	mg/kg	<0.01 mg/kg	2.5	h	2	0	0.01	0.01	-	-	0						<0.01				<0.01		
Ethylbenzene	mg/kg	<0.004 mg/kg	180	h	2	0	0.004	0.004	-	-	0						<0.004				<0.004		
p/m-Xylene	mg/kg	<0.014 mg/kg	120	h	2	0	0.014	0.014	-	-	0						<0.014				<0.014		
o-Xylene	mg/kg	<0.01 mg/kg	120	h	2	0	0.01	0.01	-	-	0						<0.01				<0.01		
Styrene	mg/kg	<0.01 mg/kg	22	h	2	0	0.01	0.01	-	-	0						<0.01				<0.01		
Bromoform	mg/kg	<0.01 mg/kg	7	h	2	0	0.01	0.01	-	-	0						<0.01				<0.01		
Isopropylbenzene	mg/kg	<0.005 mg/kg	32	h	2	0	0.005	0.005	-	-	0						<0.005				<0.005		
1.1.2.2-Tetrachloroethane	mg/kg	<0.01 mg/kg	3.4	h	2	0	0.01	0.01	-	-	0						<0.01				<0.01		
1.2.3-Trichloropropane	mg/kg	<0.017 mg/kg	0.017	x	2	0	0.017	0.017	-	-	0						<0.017				<0.017		
Bromobenzene	mg/kg	<0.01 mg/kg	2.4	h	2	0	0.01	0.01	-	-	0						<0.01				<0.01		
Propylbenzene	mg/kg	<0.011 mg/kg	98	h	2	0	0.011	0.011	-	-	0						<0.011				<0.011		
2-Chlorotoluene	mg/kg	<0.009 mg/kg	0.009	x	2	0	0.009	0.009	-	-	0						<0.009				<0.009		
1.3.5-Trimethylbenzene	mg/kg	<0.008 mg/kg	0.008	x	2	0	0.008	0.008	-	-	0						<0.008				<0.008		
4-Chlorotoluene	mg/kg	<0.012 mg/kg	0.012	x	2	0	0.012	0.012	-	-	0						<0.012				<0.012		
tert-Butylbenzene	mg/kg	<0.012 mg/kg	0.012	x	2	0	0.012	0.012	-	-	0						<0.012				<0.012		
1.2.4-Trimethylbenzene	mg/kg	<0.009 mg/kg	1	h	2	0	0.009	0.009	-	-	0						<0.009				<0.009		
sec-Butylbenzene	mg/kg	<0.01 mg/kg	0.01	x	2	0	0.01	0.01	-	-	0						<0.01				<0.01		
4-Isopropyltoluene	mg/kg	<0.011 mg/kg	0.011	x	2	0	0.011	0.011	-	-	0						<0.011				<0.011		
1.3-Dichlorobenzene	mg/kg	<0.006 mg/kg	0.84	h	2	0	0.006	0.006	-	-	0						<0.006				<0.006		
1.4-Dichlorobenzene	mg/kg	<0.005 mg/kg	86	h	2	0	0.005	0.005	-	-	0						<0.005				<0.005		
n-Butylbenzene	mg/kg	<0.01 mg/kg	0.01	x	2	0	0.01	0.01	-	-	0						<0.01				<0.01		
1.2-Dichlorobenzene	mg/kg	<0.012 mg/kg	46	h	2	0	0.012	0.012	-	-	0						<0.012				<0.012		
1.2-Dibromo-3-chloropropane	mg/kg	<0.014 mg/kg	0.014	x	2	0	0.014	0.014	-	-	0						<0.014				<0.014		
Tert-amyl methyl ether	mg/kg	<0.015 mg/kg	0.015	x	2	0	0.015	0.015	-	-	0						<0.015				<0.015		
1.2.4-Trichlorobenzene	mg/kg	<0.006 mg/kg	5.4	h	2	0	0.006	0.006	-	-	0						<0.006				<0.006		
Hexachlorobutadiene	mg/kg	<0.012 mg/kg	0.61	h	2	0	0.012	0.012	-	-	0						<0.012				<0.012		
Naphthalene	mg/kg	<0.013 mg/kg	4.4	h	2	0	0.013	0.013	-	-	0						<0.013				<0.013		
1.2.3-Trichlorobenzene	mg/kg	<0.006 mg/kg	3.1	h	2	0	0.006	0.006	-	-	0						<0.006				<0.006		

Data Summary Statistics

Site:	DSDC Bicester Site D	**Project No:**	26999
Data Description:	Zone 3	**SOM (%):**	3.0%
Land Use:	Residential with Plant Uptake	**Completed By:**	RIDEJ
Receptor:	Human Health	**Checked By:**	

Assessment Criteria Key

a) 2009 SGV (Res with Plant)
b) 2009 SGV (Allotment)
c) 2009 SGV (Commercial/Industrial)
d) EIC GAC (Res with Plant)
e) EIC GAC (Res without Plant)
f) EIC GAC (Allotment)
g) EIC GAC (Commercial/Ind)
h) Entec GAC (Res with Plant)
i) Entec GAC (Res without Plant)
j) Entec GAC (Allotment)
k) Entec GAC (Commercial/Ind)
l) LQM CIEH GAC (Res with Plant)
m) LQM CIEH GAC (Res without Plant)
n) LQM CIEH GAC (Commercial/Ind)
o) Dutch Intervention values
p) Dutch Target Values
q) Soil Code: Crops for Consumption
r) Soil Code: Sensitive Species
s) Soil Code: Grazing Animals
t) Soil Code: Background
u) BRE Special Digest
v) Other Generic Criteria
w) Site Specific Assessment Criteria
x) Laboratory limit of detection
y) CLR SGV for Lead (2002)

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics: Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	Sample Identifiers and Analytical Data: TPD1 D6/D9 0.5 MG	TPD2 D6/D9 0.5 MG	TPD3 D6/D9 0.6 MG	TPD4 D6/D9 0.0-0.1 MG	TPD4 D6/D9 0.5-0.6 MG	TPD5 D6/D9 0.5-0.6 MG	TPD6 D6/D9 0.3 MG
Inorganics					0	0	0	0	-	-	0							
Soil Organic Matter (SOM)	%	<0.35 %	0.35		1	1	1.95	1.95	1.95	-	1					1.95		
pH	pH Units	1 pH unit			7	7	5.47	8.54	7.604285714	1.044714589	0	8.35	5.47	7.43	7.42	7.72	8.54	8.3
Sulphate, 2:1 water soluble	g/l	<0.003 g/l	0.003	x	7	7	0.0255	1.42	0.4267	0.582179099	7	0.119	0.254	1.42	0.0298	1.1	0.0386	0.0255
Ammoniacal Nitrogen, exchangeable as NH4	mg/kg	<15 mg/kg	15	x	7	0	15	15	-	-	0	<15	<15	<15	<15	<15	<15	<15
Boron, water soluble	mg/kg	<1 mg/kg	290	l	7	7	1.26	4.09	2.425714286	1.034969519	0	4.09	1.69	2.74	1.6	2.21	3.39	1.26
Arsenic	mg/kg	<0.6 mg/kg	32	a	7	7	5.56	10.9	8.314285714	1.767859885	0	10.9	5.56	7.12	7.43	8.6	8.93	9.66
Chromium, Hexavalent	mg/kg	<0.6 mg/kg	4.3	l	7	0	0.6	3	-	-	0	<0.6	<0.6	<0.6	<3	<0.6	<0.6	<0.6
Cadmium	mg/kg	<0.02 mg/kg	10	a	7	5	0.02	0.505	0.322857143	0.211905976	0	<0.02	<0.02	0.376	0.46	0.505	0.484	0.395
Chromium	mg/kg	<0.9 mg/kg	3000	l	7	7	44.2	56.8	50.37142857	5.180319902	0	56.8	46.1	54.2	48.7	56	44.2	46.6
Copper	mg/kg	<1.4 mg/kg	2300	l	7	7	18	31	26.42857143	4.879451569	0	26.9	28.3	31	30.2	29.2	18	21.4
Lead	mg/kg	<0.7 mg/kg	450	y	7	7	14.4	23.5	17.41428571	3.482541491	0	15.7	15.1	14.4	23.5	16.1	15.9	21.2
Mercury	mg/kg	<0.14 mg/kg	0.51	h	7	0	0.14	0.14	-	-	0	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Nickel	mg/kg	<0.2 mg/kg	130	a	7	7	18.7	55.1	37.67142857	12.68630683	0	46.1	18.7	55.1	40.1	45.8	27.1	30.8
Selenium	mg/kg	<1 mg/kg	350	a	7	7	1.48	2.71	1.895714286	0.409424683	0	1.48	1.97	2.71	1.99	1.66	1.58	1.88
Zinc	mg/kg	<1.9 mg/kg	3800	l	7	7	60	123	97.22857143	23.3139239	0	88.4	60	123	116	115	76.2	102
Asbestos Containing Material Screen					0	0	#VALUE!	#VALUE!	-	-	0		No ACM Detected					
Asbestos, Chrysotile (white)					0	0	0	0	-	-	0							

Data Summary Statistics

Site:	DSDC Bicester Site D	**Project No:**	26999
Data Description:	Zone 3	**SOM (%):**	6.0%
Land Use:	Residential with Plant Uptake	**Completed By:**	RIDEJ
Receptor:	Human Health	**Checked By:**	

Assessment Criteria Key

a) 2009 SGV (Res with Plant)
b) 2009 SGV (Allotment)
c) 2009 SGV (Commercial/Industrial)
d) EIC GAC (Res with Plant)
e) EIC GAC (Res without Plant)
f) EIC GAC (Allotment)
g) EIC GAC (Commercial/Ind)
h) Entec GAC (Res with Plant)
i) Entec GAC (Res without Plant)
j) Entec GAC (Allotment)
k) Entec GAC (Commercial/Ind)
l) LQM CIEH GAC (Res with Plant)
m) LQM CIEH GAC (Res without Plant)
n) LQM CIEH GAC (Commercial/Ind)
o) Dutch Intervention values
p) Dutch Target Values
q) Soil Code: Crops for Consumption
r) Soil Code: Sensitive Species
s) Soil Code: Grazing Animals
t) Soil Code: Background
u) BRE Special Digest
v) Other Generic Criteria
w) Site Specific Assessment Criteria
x) Laboratory limit of detection
y) CLR SGV for Lead (2002)

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data	
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	TPD1	TPD5
												D6/D9	D6/D9
												1.3	3.8
												Nat	Nat
Inorganics					0	0	0	0	-	-	0		
Soil Organic Matter (SOM)	%	<0.35 %	0.35		2	2	1.05	8.9	4.975	5.550788232	2	8.9	1.05
pH	pH Units	1 pH unit			2	2	6.01	7.62	6.815	1.138441918	0	6.01	7.62
Sulphate, 2:1 water soluble	g/l	<0.003 g/l	0.003	x	2	2	0.0282	0.546	0.2871	0.366139891	2	0.546	0.0282
Ammoniacal Nitrogen, exchangeable as NH4	mg/kg	<15 mg/kg	15	x	2	1	15	138	76.5	-	1	<15	138
Boron, water soluble	mg/kg	<1 mg/kg	290	l	2	2	3.68	5.04	4.36	0.961665222	0	5.04	3.68
Arsenic	mg/kg	<0.6 mg/kg	32	a	2	2	6.88	10.7	8.79	2.701147904	0	6.88	10.7
Chromium, Hexavalent	mg/kg	<0.6 mg/kg	4.3	l	2	0	0.6	0.6	-	-	0	<0.6	<0.6
Cadmium	mg/kg	<0.02 mg/kg	10	a	2	2	0.418	0.455	0.4365	0.026162951	0	0.418	0.455
Chromium	mg/kg	<0.9 mg/kg	3000	l	2	2	44.3	54	49.15	6.858935778	0	44.3	54
Copper	mg/kg	<1.4 mg/kg	2300	l	2	2	20.9	22.5	21.7	1.13137085	0	22.5	20.9
Lead	mg/kg	<0.7 mg/kg	450	y	2	2	19.1	30.2	24.65	7.848885271	0	30.2	19.1
Mercury	mg/kg	<0.14 mg/kg	1	a	2	0	0.14	0.14	-	-	0	<0.14	<0.14
Nickel	mg/kg	<0.2 mg/kg	130	a	2	2	22.2	37.2	29.7	10.60660172	0	22.2	37.2
Selenium	mg/kg	<1 mg/kg	350	a	2	2	1.58	2.11	1.845	0.374766594	0	1.58	2.11
Zinc	mg/kg	<1.9 mg/kg	3800	l	2	2	82.2	114	98.1	22.48599564	0	82.2	114
Asbestos Containing Material Screen					0	0	0	0	-	-	0		
Asbestos, Chrysotile (white)					0	0	0	0	-	-	0		
TPH 6 Split					0	0	0	0	-	-	0		
TPH >C6-C8	mg/kg	<10 mg/kg	370	l	2	0	10	10	-	-	0	<10	<10
TPH >C8-C10	mg/kg	<10 mg/kg	110	l	2	0	10	10	-	-	0	<10	<10
TPH >C10-C12	mg/kg	<10 mg/kg	346	l	2	1	10	16.8	13.4	-	0	16.8	<10
TPH >C12-C16	mg/kg	<10 mg/kg	593	l	2	0	10	10	-	-	0	<10	<10
TPH >C16-C21	mg/kg	<10 mg/kg	770	l	2	1	10	31.2	20.6	-	0	31.2	<10
TPH >C21-C40	mg/kg	<10 mg/kg	1230	l	2	2	86.1	403	244.55	224.082139	0	403	86.1
TPH >C6-C40	mg/kg	<10 mg/kg	-		2	2	89.1	458	273.55	260.8516916	0	458	89.1

Data Summary Statistics

Site:	DSDC Bicester - Site E	**Project No:**	26999
Data Description:	Groundwater and Surface water	**SOM (%):**	na
Land Use:	MOD Storage and Distribution	**Completed By:**	MIFFL
Receptor:	Controlled Waters	**Checked By:**	

Assessment Criteria Key
x) Laboratory limit of detection
DWS = Drinking Water Standard
EQS = Env. Quality Standard
WHO - World Health Organisation Standard

Contaminant	Units	Method Detection Limit	Assessment Criteria (AC)	Source (see key)	Summary Statistics: Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	Sample Identifiers and Analytical Data: WSE 17 GW 04/08/2010 1924790	WSE 17 GW 18/08/2010 1985185	BHE02 GW 13/08/2010 1953190	BHE02 GW 18/08/2010 1985163
Inorganics					0	0	0	0	-	-	0				
Alkalinity, Total as CaCO3	mg/l	<2	-	-	0	0	0	0	-	-	-	-		-	
Ammoniacal Nitrogen as NH4	mg/l	<0.3	0.5	DWS	4	4	1.77	2.21	1.93	0.203306009	4	1.95	2.21	1.77	1.79
Conductivity @ 20 deg.C	mS/cm	<0.014	-	-	1	1	2.02	2.02	2.02	-	-	-	-	2.02	-
Sulphate	mg/l	<3	400	EQS	4	4	785	1170	999.75	178.2327598	4	1170	1120	924	785
Chloride	mg/l	<2	250	EQS	4	4	42.8	122	83	43.37464697	0	119	122	48.2	42.8
pH	pH Units	<1	-	-	4	4	7.22	7.88	7.605	0.288617394	-	7.76	7.56	7.22	7.88
Filtered (Dissolved) Metals					0	0	0	0	-	-	0				
Arsenic (diss.filt)	mg/l	<0.00012	0.05	EQS	4	4	0.0015	0.00377	0.002645	0.001282095	0	0.00377	0.00374	0.00157	0.0015
Boron (diss.filt)	mg/l	<0.0094	2	EQS	4	4	0.255	0.504	0.3715	0.126492424	0	0.255	0.272	0.504	0.455
Cadmium (diss.filt)	mg/l	<0.0001	0.05	EQS	4	3	0.0001	0.000261	0.0001605	7.60986E-05	0	0.000261	0.000178	<0.0001	0.000103
Chromium (diss.filt)	mg/l	<0.00022	0.02	EQS	4	4	0.00872	0.0165	0.012755	0.003613323	0	0.015	0.0108	0.0165	0.00872
Copper (diss.filt)	mg/l	<0.00085	0.01	EQS	4	4	0.00613	0.00825	0.0067675	0.001000546	0	0.00613	0.00825	0.0062	0.00649
Lead (diss.filt)	mg/l	<0.00002	0.02	EQS	4	3	0.00002	0.000109	0.00004875	4.08361E-05	0	0.000109	0.000028	0.000038	<0.00002
Nickel (diss.filt)	mg/l	<0.00015	0.15	EQS	4	4	0.0345	0.0549	0.04515	0.009515076	0	0.0549	0.0512	0.04	0.0345
Selenium (diss.filt)	mg/l	<0.00039	0.01	DWS	4	4	0.00186	0.0063	0.00392	0.002020643	0	0.0063	0.00483	0.00269	0.00186
Zinc (diss.filt)	mg/l	<0.00041	0.075	EQS	4	4	0.01	0.0141	0.011125	0.001985573	0	0.0141	0.0102	0.01	0.0102
Mercury (diss.filt)	mg/l	<0.00001	0.001	EQS	4	0	0.00001	0.00001	-	-	0	<0.00001	<0.00001	<0.00001	<0.00001
Gasoline Range Organics (GR					0	0	0	0	-	-	0				
Aliphatics >C5-C6	mg/l	<0.01	-		4	0	0.01	0.01	-	-	0	<0.01	<0.01	<0.01	<0.01
Aliphatics >C6-C8	mg/l	<0.01	-		4	0	0.01	0.01	-	-	0	<0.01	<0.01	<0.01	<0.01
Aliphatics >C8-C10	mg/l	<0.01	-		4	0	0.01	0.01	-	-	0	<0.01	<0.01	<0.01	<0.01
Aliphatics >C10-C12	mg/l	<0.01	-		4	0	0.01	0.01	-	-	0	<0.01	<0.01	<0.01	<0.01
Total Aliphatics >C5-C12	mg/l	<0.01	-		4	0	0.01	0.01	-	-	0	<0.01	<0.01	<0.01	<0.01
Aromatics >C6-C7	mg/l	<0.01	-		4	0	0.01	0.01	-	-	0	<0.01	<0.01	<0.01	<0.01
Aromatics >C7-C8	mg/l	<0.01	-		4	0	0.01	0.01	-	-	0	<0.01	<0.01	<0.01	<0.01
Aromatics >EC8-EC10	mg/l	<0.01	-		4	0	0.01	0.01	-	-	0	<0.01	<0.01	<0.01	<0.01
Aromatics >EC10-EC12	mg/l	<0.01	-		4	0	0.01	0.01	-	-	0	<0.01	<0.01	<0.01	<0.01
Total Aromatics >C6-C12	mg/l	<0.01	-	-	4	0	0.01	0.01	-	-	-	<0.01	<0.01	<0.01	<0.01
GRO Surrogate % recovery**	%		-	-	4	4	78	101	92	10.23067284	-	98	91	78	101
Benzene	mg/l	<0.007	0.3	EQS	4	0	0.007	0.007	-	-	0	<0.007	<0.007	<0.007	<0.007
Toluene	mg/l	<0.004	0.05	EQS	4	0	0.004	0.004	-	-	0	<0.004	<0.004	<0.004	<0.004
Ethylbenzene	mg/l	<0.005	0.3	WHO Health	4	0	0.005	0.005	-	-	0	<0.005	<0.005	<0.005	<0.005
m,p-Xylene	mg/l	<0.008	-	x	4	0	0.008	0.008	-	-	0	<0.008	<0.008	<0.008	<0.008
o-Xylene	mg/l	<0.003	-	x	4	0	0.003	0.003	-	-	0	<0.003	<0.003	<0.003	<0.003
m,p,o-Xylene	mg/l	<0.01	0.03	EQS	4	0	0.01	0.01	-	-	0	<0.01	<0.01	<0.01	<0.01
BTEX, Total	mg/l	<0.01	-	-	4	0	0.01	0.01	-	-	-	<0.01	<0.01	<0.01	<0.01
Methyl tertiary butyl ether (MTBE)	mg/l	<0.003	-	-	4	0	0.003	0.003	-	-	-	<0.003	<0.003	<0.003	<0.003
GRO >C5-C6	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-	-	-	-
GRO >C6-C7	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-	-	-	-
GRO >C7-C8	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-	-	-	-
GRO >C8-C10	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-	-	-	-
GRO >C5-C12	mg/l	<0.05	-	-	4	0	0.05	0.05	-	-	-	<0.05	<0.05	<0.05	<0.05
GRO >C10-C12	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-	-	-	-
Extractable Petroleum Hydroc					0	0	0	0	-	-	0				
EPH Range >C10 - C40 (aq)	mg/l	<0.046	-	-	0	0	0	0	-	-	-	-	-	-	-
EPH Band >C10-C12 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-	-
EPH Band >C12-C16 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-	-
EPH Band >C16-C21 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-	-
EPH Band >C21-C28 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-	-
EPH Band >C35-C40 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-	-
EPH Band >C28-C35 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-	-
Speciated EPH CWG					0	0	0	0	-	-	0				
Aliphatics >C12-C16 (aq)	mg/l	<0.01	-		4	2	0.01	0.255	0.1005	0.116837494	0	<0.01	<0.01	0.255	0.127
Aliphatics >C16-C21 (aq)	mg/l	<0.01	-		4	3	0.01	0.569	0.215	0.26267978	0	0.021	<0.01	0.569	0.26
Aliphatics >C21-C35 (aq)	mg/l	<0.01	-		4	2	0.01	0.401	0.15	0.185330336	0	<0.01	<0.01	0.401	0.179
Total Aliphatics >C12-C35 (aq)	mg/l	<0.01	-		4	3	0.01	1.23	0.45675	0.577152421	0	0.021	<0.01	1.23	0.566
Aromatics >EC12-EC16 (aq)	mg/l	<0.01	-		4	1	0.01	0.028	0.0145	-	0	<0.01	<0.01	0.028	<0.01
Aromatics >EC16-EC21 (aq)	mg/l	<0.01	-		4	2	0.01	0.131	0.0515	0.057087652	0	<0.01	<0.01	0.131	0.055
Aromatics >EC21-EC35 (aq)	mg/l	<0.01	-		4	2	0.01	0.268	0.10125	0.122074772	0	<0.01	<0.01	0.268	0.117
Total Aromatics >EC12-EC35 (aq)	mg/l	<0.01	-	-	4	2	0.01	0.427	0.15475	0.196911782	-	<0.01	<0.01	0.427	0.172
Total Aliphatics & Aromatics >C12-C35 (Aqueou	mg/l	<0.01	-	-	4	3	0.01	1.65	0.60475	0.775627649	-	0.021	<0.01	1.65	0.738
TPH Criteria Working Group (					0	0	0	0	-	-	0				
Total Aliphatics & Aromatics >C5-35 (aq)	mg/l	<0.01	-	-	4	3	0.01	1.65	0.60475	0.775627649	-	0.021	<0.01	1.65	0.738
Total Aliphatics >C5-C35 (aq)	mg/l	<0.01	-	-	4	3	0.01	1.23	0.45675	0.577152421	-	0.021	<0.01	1.23	0.566
Total Aromatics >C6-C35 (aq)	mg/l	<0.01	-	-	4	2	0.01	0.427	0.15475	0.196911782	-	<0.01	<0.01	0.427	0.172

Polyaromatic Hydrocarbons (I					0	0	0	0	-	-	0						
Naphthalene (aq)	mg/l	<0.0001	0.01	EQS	4	1	0.0001	0.000134	0.0001085	-	0	<0.0001	<0.0001	0.000134	<0.0001		
Acenaphthene (aq)	mg/l	<0.000015	0.0001	DWS	4	2	0.000015	0.000937	0.00038	0.000449677	2	<0.000015	<0.000015	0.000937	0.000553		
Acenaphthylene (aq)	mg/l	<0.000011	0.0001	DWS	4	2	0.000011	0.00288	0.001163	0.001407938	2	<0.000011	<0.000011	0.00288	0.00175		
Fluoranthene (aq)	mg/l	<0.000014	0.0001	DWS	4	3	0.000014	0.0119	0.00392725	0.005597069	2	0.000045	<0.000014	0.0119	0.00375		
Anthracene (aq)	mg/l	<0.000015	0.0001	DWS	4	2	0.000015	0.00152	0.00047	0.000715577	2	<0.000015	<0.000015	0.00152	0.00033		
Phenanthrene (aq)	mg/l	<0.000022	0.0001	DWS	4	2	0.000022	0.00464	0.001403	0.002199857	2	<0.000022	<0.000022	0.00464	0.000928		
Fluorene (aq)	mg/l	<0.000014	0.0001	DWS	4	2	0.000014	0.00269	0.000924	0.001261992	2	<0.000014	<0.000014	0.00269	0.000978		
Chrysene (aq)	mg/l	<0.000013	0.0001	DWS	4	3	0.000013	0.00657	0.00199325	0.003114321	2	0.00004	<0.000013	0.00657	0.00135		
Pyrene (aq)	mg/l	<0.000015	0.0001	DWS	4	3	0.000015	0.00965	0.0032005	0.004535057	2	0.000047	<0.000015	0.00965	0.00309		
Benzo(a)anthracene (aq)	mg/l	<0.000017	0.0001	DWS	4	4	0.000021	0.00675	0.0020685	0.003194274	2	0.000033	0.000021	0.00675	0.00147		
Benzo(b)fluoranthene (aq)	mg/l	<0.000023	0.0001	DWS	4	3	0.000023	0.0112	0.003328	0.00533236	2	0.000049	<0.000023	0.0112	0.00204		
Benzo(k)fluoranthene (aq)	mg/l	<0.000027	0.0001	DWS	4	3	0.000027	0.0113	0.00327975	0.005408706	2	0.000032	<0.000027	0.0113	0.00176		
Benzo(a)pyrene (aq)	mg/l	<0.000009	0.00001	DWS	4	4	0.000009	0.0141	0.0041185	0.006739341	3	0.000065	0.000009	0.0141	0.0023		
Dibenzo(a,h)anthracene (aq)	mg/l	<0.000016	0.0001	DWS	4	2	0.000016	0.00276	0.000813	0.001314767	2	<0.000016	<0.000016	0.00276	0.00046		
Benzo(g,h,i)perylene (aq)	mg/l	<0.000016	0.0001	DWS	4	3	0.000016	0.00803	0.00235125	0.003832368	2	0.000059	<0.000016	0.00803	0.0013		
Indeno(1,2,3-cd)pyrene (aq)	mg/l	<0.000014	0.0001	DWS	4	3	0.000014	0.008	0.00232775	0.003826029	2	0.000037	<0.000014	0.008	0.00126		
Polyaromatic hydrocarbons, Total USEPA 16 (a	mg/l	<0.0001	-	-	4	3	0.0001	0.103	0.03169525	0.048763681	-	0.000381	<0.0001	0.103	0.0233		
Naphthalene-d8	%		-	-	4	4	100	100	100	0	-	100	100	100	100		
Acenaphthene-d10	%		-	-	4	4	100	100	100	0	-	100	100	100	100		
Phenanthrene-d10	%		-	-	4	4	100	100	100	0	-	100	100	100	100		
Chrysene-d12	%		-	-	4	4	100	100	100	0	-	100	100	100	100		
Perylene-d12	%		-	-	4	4	100	100	100	0	-	100	100	100	100		
Semi-Volatile Organic Compo					0	0	0	0	-	-	0						
1,2,4-Trichlorobenzene (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
1,2-Dichlorobenzene (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
1,3-Dichlorobenzene (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
1,4-Dichlorobenzene (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
2,4,5-Trichlorophenol (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
2,4,6-Trichlorophenol (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
2,4-Dichlorophenol (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
2,4-Dimethylphenol (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
2,4-Dinitrotoluene (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
2,6-Dinitrotoluene (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
2-Chloronaphthalene (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
2-Chlorophenol (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
2-Methylnaphthalene (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
2-Methylphenol (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
2-Nitroaniline (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
2-Nitrophenol (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
3-Nitroaniline (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
4-Bromophenylphenylether (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
4-Chloro-3-methylphenol (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
4-Chloroaniline (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
4-Chlorophenylphenylether (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
4-Methylphenol (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
4-Nitrophenol (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
4-Nitroaniline (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
Azobenzene (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
Acenaphthylene (aq)	mg/l	<0.001	-	-	2	1	0.001	0.00127	0.001135	-	-	-	-	<0.001	0.00127		
Acenaphthene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	-	<0.001	<0.001		
Anthracene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	-	<0.001	<0.001		
bis(2-Chloroethyl)ether (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
bis(2-Chloroethoxy)methane (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
bis(2-Ethylhexyl) phthalate (aq)	mg/l	<0.002	-	-	3	0	0.002	0.002	-	-	-	<0.002	-	<0.002	<0.002		
Benzo(a)anthracene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	-	<0.001	<0.001		
Butylbenzyl phthalate (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
Benzo(b)fluoranthene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	-	<0.001	<0.001		
Benzo(k)fluoranthene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	-	<0.001	<0.001		
Benzo(a)pyrene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	-	<0.001	<0.001		
Benzo(g,h,i)perylene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	-	<0.001	<0.001		
Carbazole (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
Chrysene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	-	<0.001	<0.001		
Dibenzofuran (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
n-Dibutyl phthalate (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
Diethyl phthalate (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
Dibenzo(a,h)anthracene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	-	<0.001	<0.001		
Dimethyl phthalate (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001		
n-Dioctyl phthalate (aq)	mg/l	<0.005	-	-	3	0	0.005	0.005	-	-	-	<0.005	-	<0.005	<0.005		
Fluoranthene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	-	<0.001	<0.001		

Fluorene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	-	<0.001	<0.001	
Hexachlorobenzene (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001	
Hexachlorobutadiene (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001	
Pentachlorophenol (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001	
Phenol (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001	
n-Nitroso-n-dipropylamine (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001	
Hexachloroethane (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001	
Nitrobenzene (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001	
Naphthalene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	-	<0.001	<0.001	
Isophorone (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001	
Hexachlorocyclopentadiene (aq)	mg/l	<0.001	-	-	3	0	0.001	0.002	-	-	-	<0.002	-	<0.001	<0.002	
Phenanthrene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	-	<0.001	<0.001	
Indeno(1,2,3-cd)pyrene (aq)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001	
Pyrene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	-	<0.001	<0.001	
Volatile Organic Compounds					0	0	0	0	-	-	0					
Dibromofluoromethane**	%		-	-	3	3	95.4	111	103.4666667	7.813663247	-	95.4	-	104	111	
Toluene-d8**	%		-	-	3	3	97	101	99.03333333	2.00083316	-	97	-	99.1	101	
4-Bromofluorobenzene**	%		-	-	3	3	95.6	101	98.03333333	2.739221301	-	95.6	-	97.5	101	
Dichlorodifluoromethane	mg/l	<0.007	-	-	3	0	0.007	0.007	-	-	-	<0.007	-	<0.007	<0.007	
Chloromethane	mg/l	<0.009	-	-	3	0	0.009	0.009	-	-	-	<0.009	-	<0.009	<0.009	
Vinyl chloride	mg/l	<0.0012	0.0005	DWS	3	0	0.0012	0.0012	-	-	3	<0.0012	-	<0.0012	<0.0012	
Bromomethane	mg/l	<0.002	-	-	3	0	0.002	0.002	-	-	-	<0.002	-	<0.002	<0.002	
Chloroethane	mg/l	<0.0025	-	-	3	0	0.0025	0.0025	-	-	-	<0.0025	-	<0.0025	<0.0025	
Trichlorofluoromethane	mg/l	<0.0013	-	-	3	0	0.0013	0.0013	-	-	-	<0.0013	-	<0.0013	<0.0013	
1,1-Dichloroethene	mg/l	<0.0012	-	-	3	2	0.0012	0.00919	0.005623333	0.004063303	-	<0.0012	-	0.00919	0.00648	
Carbon disulphide	mg/l	<0.0013	-	-	3	0	0.0013	0.0013	-	-	-	<0.0013	-	<0.0013	<0.0013	
Dichloromethane	mg/l	<0.0037	-	-	3	0	0.0037	0.0037	-	-	-	<0.0037	-	<0.0037	<0.0037	
Methyl tertiary butyl ether (MTBE)	mg/l	<0.0016	-	-	3	0	0.0016	0.0016	-	-	-	<0.0016	-	<0.0016	<0.0016	
trans-1,2-Dichloroethene	mg/l	<0.0019	0.05	WHO Health	3	0	0.0019	0.0019	-	-	0	<0.0019	-	<0.0019	<0.0019	
1,1-Dichloroethane	mg/l	<0.0012	-	-	3	2	0.0012	0.0126	0.007926667	0.005970941	-	<0.0012	-	0.0126	0.00998	
cis-1,2-Dichloroethene	mg/l	<0.0023	0.05	WHO Health	3	0	0.0023	0.0023	-	-	0	<0.0023	-	<0.0023	<0.0023	
2,2-Dichloropropane	mg/l	<0.0038	-	-	3	0	0.0038	0.0038	-	-	-	<0.0038	-	<0.0038	<0.0038	
Bromochloromethane	mg/l	<0.0019	-	-	3	0	0.0019	0.0019	-	-	-	<0.0019	-	<0.0019	<0.0019	
Chloroform	mg/l	<0.0018	-	-	3	0	0.0018	0.0018	-	-	-	<0.0018	-	<0.0018	<0.0018	
1,1,1-Trichloroethane	mg/l	<0.0013	-	-	3	2	0.0013	0.021	0.012333333	0.010060981	-	<0.0013	-	0.021	0.0147	
1,1-Dichloropropene	mg/l	<0.0013	-	-	3	0	0.0013	0.0013	-	-	-	<0.0013	-	<0.0013	<0.0013	
Carbontetrachloride	mg/l	<0.0014	-	-	3	0	0.0014	0.0014	-	-	-	<0.0014	-	<0.0014	<0.0014	
1,2-Dichloroethane	mg/l	<0.0033	-	-	3	0	0.0033	0.0033	-	-	-	<0.0033	-	<0.0033	<0.0033	
Benzene	mg/l	<0.0013	-	-	3	0	0.0013	0.0013	-	-	-	<0.0013	-	<0.0013	<0.0013	
Trichloroethene	mg/l	<0.0025	0.01	EQS	3	0	0.0025	0.0025	-	-	0	<0.0025	-	<0.0025	<0.0025	
1,2-Dichloropropane	mg/l	<0.003	-	-	3	0	0.003	0.003	-	-	-	<0.003	-	<0.003	<0.003	
Dibromomethane	mg/l	<0.0027	-	-	3	0	0.0027	0.0027	-	-	-	<0.0027	-	<0.0027	<0.0027	
Bromodichloromethane	mg/l	<0.0009	-	-	3	0	0.0009	0.0009	-	-	-	<0.0009	-	<0.0009	<0.0009	
cis-1,3-Dichloropropene	mg/l	<0.0019	-	-	3	0	0.0019	0.0019	-	-	-	<0.0019	-	<0.0019	<0.0019	
Toluene	mg/l	<0.0014	-	-	3	0	0.0014	0.0014	-	-	-	<0.0014	-	<0.0014	<0.0014	
trans-1,3-Dichloropropene	mg/l	<0.0035	-	-	3	0	0.0035	0.0035	-	-	-	<0.0035	-	<0.0035	<0.0035	
1,1,2-Trichloroethane	mg/l	<0.0022	-	-	3	0	0.0022	0.0022	-	-	-	<0.0022	-	<0.0022	<0.0022	
1,3-Dichloropropane	mg/l	<0.0022	-	-	3	0	0.0022	0.0022	-	-	-	<0.0022	-	<0.0022	<0.0022	
Tetrachloroethene	mg/l	<0.0015	-	-	3	0	0.0015	0.0015	-	-	-	<0.0015	-	<0.0015	<0.0015	
Dibromochloromethane	mg/l	<0.0017	-	-	3	0	0.0017	0.0017	-	-	-	<0.0017	-	<0.0017	<0.0017	
1,2-Dibromoethane	mg/l	<0.0023	-	-	3	0	0.0023	0.0023	-	-	-	<0.0023	-	<0.0023	<0.0023	
Chlorobenzene	mg/l	<0.0035	-	-	3	0	0.0035	0.0035	-	-	-	<0.0035	-	<0.0035	<0.0035	
1,1,1,2-Tetrachloroethane	mg/l	<0.0013	-	-	3	0	0.0013	0.0013	-	-	-	<0.0013	-	<0.0013	<0.0013	
Ethylbenzene	mg/l	<0.0025	-	-	3	0	0.0025	0.0025	-	-	-	<0.0025	-	<0.0025	<0.0025	
m,p-Xylene	mg/l	<0.0025	-	-	3	0	0.0025	0.0025	-	-	-	<0.0025	-	<0.0025	<0.0025	
o-Xylene	mg/l	<0.0017	-	-	3	0	0.0017	0.0017	-	-	-	<0.0017	-	<0.0017	<0.0017	
Styrene	mg/l	<0.0012	-	-	3	0	0.0012	0.0012	-	-	-	<0.0012	-	<0.0012	<0.0012	
Bromoform	mg/l	<0.003	-	-	3	0	0.003	0.003	-	-	-	<0.003	-	<0.003	<0.003	
Isopropylbenzene	mg/l	<0.0014	-	-	3	0	0.0014	0.0014	-	-	-	<0.0014	-	<0.0014	<0.0014	
1,1,2,2-Tetrachloroethane	mg/l	<0.0052	-	-	3	0	0.0052	0.0052	-	-	-	<0.0052	-	<0.0052	<0.0052	
1,2,3-Trichloropropane	mg/l	<0.0078	-	-	3	0	0.0078	0.0078	-	-	-	<0.0078	-	<0.0078	<0.0078	
Bromobenzene	mg/l	<0.002	-	-	3	0	0.002	0.002	-	-	-	<0.002	-	<0.002	<0.002	
Propylbenzene	mg/l	<0.0026	-	-	3	0	0.0026	0.0026	-	-	-	<0.0026	-	<0.0026	<0.0026	
2-Chlorotoluene	mg/l	<0.0019	-	-	3	0	0.0019	0.0019	-	-	-	<0.0019	-	<0.0019	<0.0019	
1,3,5-Trimethylbenzene	mg/l	<0.0018	-	-	3	0	0.0018	0.0018	-	-	-	<0.0018	-	<0.0018	<0.0018	
4-Chlorotoluene	mg/l	<0.0019	-	-	3	0	0.0019	0.0019	-	-	-	<0.0019	-	<0.0019	<0.0019	
tert-Butylbenzene	mg/l	<0.002	-	-	3	0	0.002	0.002	-	-	-	<0.002	-	<0.002	<0.002	
1,2,4-Trimethylbenzene	mg/l	<0.0017	-	-	3	0	0.0017	0.0017	-	-	-	<0.0017	-	<0.0017	<0.0017	
sec-Butylbenzene	mg/l	<0.0017	-	-	3	0	0.0017	0.0017	-	-	-	<0.0017	-	<0.0017	<0.0017	
4-iso-Propyltoluene	mg/l	<0.0026	-	-	3	0	0.0026	0.0026	-	-	-	<0.0026	-	<0.0026	<0.0026	
1,3-Dichlorobenzene	mg/l	<0.0022	-	-	3	0	0.0022	0.0022	-	-	-	<0.0022	-	<0.0022	<0.0022	
1,4-Dichlorobenzene	mg/l	<0.0027	-	-	3	0	0.0027	0.0027	-	-	-	<0.0027	-	<0.0027	<0.0027	
n-Butylbenzene	mg/l	<0.002	-	-	3	0	0.002	0.002	-	-	-	<0.002	-	<0.002	<0.002	
1,2-Dichlorobenzene	mg/l	<0.0037	-	-	3	0	0.0037	0.0037	-	-	-	<0.0037	-	<0.0037	<0.0037	
1,2-Dibromo-3-chloropropane	mg/l	<0.0098	-	-	3	0	0.0098	0.0098	-	-	-	<0.0098	-	<0.0098	<0.0098	
1,2,4-Trichlorobenzene	mg/l	<0.0023	-	-	3	0	0.0023	0.0023	-	-	-	<0.0023	-	<0.0023	<0.0023	
Hexachlorobutadiene	mg/l	<0.0025	-	-	3	0	0.0025	0.0025	-	-	-	<0.0025	-	<0.0025	<0.0025	
tert-Amyl methyl ether (TAME)	mg/l	<0.001	-	-	3	0	0.001	0.001	-	-	-	<0.001	-	<0.001	<0.001	
Naphthalene	mg/l	<0.0035	-	-	3	0	0.0035	0.0035	-	-	-	<0.0035	-	<0.0035	<0.0035	
1,2,3-Trichlorobenzene	mg/l	<0.0031	-	-	3	0	0.0031	0.0031	-	-	-	<0.0031	-	<0.0031	<0.0031	
1,3,5-Trichlorobenzene	mg/l	<0.01	-	-	3	0	0.01	0.01	-	-	-	<0.01		<0.01	<0.01	

Data Summary Statistics

Site:	DSDC Bicester - Site E	**Project No:**	26999
Data Description:	Groundwater and Surface water	**SOM (%):**	na
Land Use:	MOD Storage and Distribution	**Completed By:**	MIFFL
Receptor:	Controlled Waters	**Checked By:**	

Assessment Criteria Key
x) Laboratory limit of detection
DWS = Drinking Water Standard
EQS = Env. Quality Standard
WHO - World Health Organisation Standard

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data				
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	SWE1 SW 21/07/2010 1859405	SWE1 SW 29/07/2010 1896296	SWE 1 SW 04/08/2010 1924811		
Inorganics					0	0	0	0	-	-	0					
Alkalinity, Total as CaCO3	mg/l	<2	-	-	1	1	245	245	245	-	-	245	-	-		
Ammoniacal Nitrogen as NH4	mg/l	<0.3	0.5	DWS	3	2	0.3	0.405	0.34	0.056789083	0	0.405	0.315	<0.3		
Conductivity @ 20 deg.C	mS/cm	<0.014	-	-	1	1	0.855	0.855	0.855	-	-	0.855	-	-		
Sulphate	mg/l	<3	400	EQS	3	3	145	176	159.6666667	15.56705924	0	176	158	145		
Chloride	mg/l	<2	250	EQS	3	3	51.4	67.9	61.06666667	8.607167556	0	63.9	51.4	67.9		
pH	pH Units	<1	-	-	3	3	7.71	8.24	7.946666667	0.26950572	-	7.89	7.71	8.24		
Filtered (Dissolved) Metals					0	0	0	0	-	-	0					
Arsenic (diss.filt)	mg/l	<0.00012	0.05	EQS	3	3	0.00115	0.0059	0.003426667	0.002381099	0	0.0059	0.00115	0.00323		
Boron (diss.filt)	mg/l	<0.0094	2	EQS	3	3	0.116	0.13	0.122333333	0.007094599	0	0.116	0.13	0.121		
Cadmium (diss.filt)	mg/l	<0.0001	0.05	EQS	3	0	0.0001	0.0001	-	-	0	<0.0001	<0.0001	<0.0001		
Chromium (diss.filt)	mg/l	<0.00022	0.02	EQS	3	3	0.00484	0.00895	0.00643	0.002207193	0	0.00484	0.00895	0.0055		
Copper (diss.filt)	mg/l	<0.00085	0.01	EQS	3	1	0.00085	0.000967	0.000889	-	0	<0.00085	<0.00085	0.000967		
Lead (diss.filt)	mg/l	<0.00002	0.02	EQS	3	2	0.00002	0.000055	4.13333E-05	1.87172E-05	0	0.000049	<0.00002	0.000055		
Nickel (diss.filt)	mg/l	<0.00015	0.15	EQS	3	1	0.00015	0.00456	0.00162	-	0	0.00456	<0.00015	<0.00015		
Selenium (diss.filt)	mg/l	<0.00039	0.01	DWS	3	2	0.00039	0.00151	0.000964333	0.00056055	0	0.000993	<0.00039	0.00151		
Zinc (diss.filt)	mg/l	<0.00041	0.075	EQS	3	3	0.000895	0.00267	0.001768333	0.000887839	0	0.000895	0.00174	0.00267		
Mercury (diss.filt)	mg/l	<0.00001	0.001	EQS	3	0	0.00001	0.00001	-	-	0	<0.00001	<0.00001	<0.00001		
Gasoline Range Organics (GF					0	0	0	0	-	-	0					
Aliphatics >C5-C6	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	-	<0.01	<0.01		
Aliphatics >C6-C8	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	-	<0.01	<0.01		
Aliphatics >C8-C10	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	-	<0.01	<0.01		
Aliphatics >C10-C12	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	-	<0.01	<0.01		
Total Aliphatics >C5-C12	mg/l	<0.01	-	-	2	0	0.01	0.01	-	-	-	-	<0.01	<0.01		
Aromatics >C6-C7	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	-	<0.01	<0.01		
Aromatics >C7-C8	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	-	<0.01	<0.01		
Aromatics >EC8-EC10	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	-	<0.01	<0.01		
Aromatics >EC10-EC12	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	-	<0.01	<0.01		
Total Aromatics >C6-C12	mg/l	<0.01	-	-	2	0	0.01	0.01	-	-	-	-	<0.01	<0.01		
GRO Surrogate % recovery**	%		-	-	2	2	85	97	91	8.485281374	-	-	85	97		
Benzene	mg/l	<0.007	0.3	EQS	2	0	0.007	0.007	-	-	0	-	<0.007	<0.007		
Toluene	mg/l	<0.004	0.05	EQS	2	0	0.004	0.004	-	-	0	-	<0.004	<0.004		
Ethylbenzene	mg/l	<0.005	0.3	WHO Health	2	0	0.005	0.005	-	-	0	-	<0.005	<0.005		
m,p-Xylene	mg/l	<0.008	-	x	2	0	0.008	0.008	-	-	0	-	<0.008	<0.008		
o-Xylene	mg/l	<0.003	-	x	2	0	0.003	0.003	-	-	0	-	<0.003	<0.003		
m,p,o-Xylene	mg/l	<0.01	0.03	EQS	2	0	0.01	0.01	-	-	0	-	<0.01	<0.01		
BTEX, Total	mg/l	<0.01	-	-	2	0	0.01	0.01	-	-	-	-	<0.01	<0.01		
Methyl tertiary butyl ether (MTBE)	mg/l	<0.003	-	-	2	0	0.003	0.003	-	-	-	-	<0.003	<0.003		
GRO >C5-C6	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	-	<0.01	-		
GRO >C6-C7	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	-	<0.01	-		
GRO >C7-C8	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	-	<0.01	-		
GRO >C8-C10	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	-	<0.01	-		
GRO >C5-C12	mg/l	<0.05	-	-	2	0	0.05	0.05	-	-	-	-	<0.05	<0.05		
GRO >C10-C12	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	-	<0.01	-		
Extractable Petroleum Hydroc					0	0	0	0	-	-	0					
EPH Range >C10 - C40 (aq)	mg/l	<0.046	-	-	2	1	0.046	0.243	0.1445	-	-	<0.046	0.243	-		
EPH Band >C10-C12 (aq)	mg/l	<0.01	-		2	0	0.01	0.01	-	-	-	<0.01	<0.01	-		
EPH Band >C12-C16 (aq)	mg/l	<0.01	-		2	1	0.01	0.0316	0.0208	-	-	<0.01	0.0316	-		
EPH Band >C16-C21 (aq)	mg/l	<0.01	-		2	1	0.01	0.041	0.0255	-	-	<0.01	0.041	-		
EPH Band >C21-C28 (aq)	mg/l	<0.01	-		2	1	0.01	0.0558	0.0329	-	-	<0.01	0.0558	-		
EPH Band >C35-C40 (aq)	mg/l	<0.01	-		2	1	0.01	0.0379	0.02395	-	-	<0.01	0.0379	-		
EPH Band >C28-C35 (aq)	mg/l	<0.01	-		2	1	0.01	0.0761	0.04305	-	-	<0.01	0.0761	-		
Speciated EPH CWG					0	0	0	0	-	-	0					
Aliphatics >C12-C16 (aq)	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	-	<0.01	<0.01		
Aliphatics >C16-C21 (aq)	mg/l	<0.01	-		2	0	0.01	0.01	-	-	-	-	<0.01	<0.01		
Aliphatics >C21-C35 (aq)	mg/l	<0.01	-		2	1	0.01	0.016	0.013	-	-	-	<0.01	0.016		
Total Aliphatics >C12-C35 (aq)	mg/l	<0.01	-	-	2	1	0.01	0.016	0.013	-	0	-	<0.01	0.016		
Aromatics >EC12-EC16 (aq)	mg/l	<0.01	-		2	0	0.01	0.01	-	-	-	-	<0.01	<0.01		
Aromatics >EC16-EC21 (aq)	mg/l	<0.01	-		2	0	0.01	0.01	-	-	-	-	<0.01	<0.01		
Aromatics >EC21-EC35 (aq)	mg/l	<0.01	-		2	2	0.023	0.052	0.0375	0.020506097	-	-	0.023	0.052		
Total Aromatics >EC12-EC35 (aq)	mg/l	<0.01	-	-	2	2	0.023	0.052	0.0375	0.020506097	-	-	0.023	0.052		
Total Aliphatics & Aromatics >C12-C35 (Aqueo	mg/l	<0.01	-	-	2	2	0.023	0.068	0.0455	0.031819805	-	-	0.023	0.068		
TPH Criteria Working Group (					0	0	0	0	-	-	0					
Total Aliphatics & Aromatics >C5-35 (aq)	mg/l	<0.01	-	-	2	2	0.023	0.068	0.0455	0.031819805	-	-	0.023	0.068		
Total Aliphatics >C5-C35 (aq)	mg/l	<0.01	-	-	2	1	0.01	0.016	0.013	-	-	-	<0.01	0.016		
Total Aromatics >C6-C35 (aq)	mg/l	<0.01	-	-	2	2	0.023	0.052	0.0375	0.020506097	-	-	0.023	0.052		

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data				
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	SWE1 SW 21/07/2010 1859405	SWE1 SW 29/07/2010 1896296	SWE 1 SW 04/08/2010 1924811		
Polyaromatic Hydrocarbons (					0	0	0	0	-	-	0					
Naphthalene (aq)	mg/l	<0.0001	0.01	EQS	1	0	0.0001	0.0001	-	-	0	-	-	<0.0001		
Acenaphthene (aq)	mg/l	<0.000015	0.0001	DWS	1	0	0.000015	0.000015	-	-	0	-	-	<0.000015		
Acenaphthylene (aq)	mg/l	<0.000011	0.0001	DWS	1	0	0.000011	0.000011	-	-	0	-	-	<0.000011		
Fluoranthene (aq)	mg/l	<0.000014	0.0001	DWS	1	1	0.000106	0.000106	0.000106	-	1	-	-	0.000106		
Anthracene (aq)	mg/l	<0.000015	0.0001	DWS	1	0	0.000015	0.000015	-	-	0	-	-	<0.000015		
Phenanthrene (aq)	mg/l	<0.000022	0.0001	DWS	1	1	0.000031	0.000031	0.000031	-	0	-	-	0.000031		
Fluorene (aq)	mg/l	<0.000014	0.0001	DWS	1	0	0.000014	0.000014	-	-	0	-	-	<0.000014		
Chrysene (aq)	mg/l	<0.000013	0.0001	DWS	1	1	0.000071	0.000071	0.000071	-	0	-	-	0.000071		
Pyrene (aq)	mg/l	<0.000015	0.0001	DWS	1	1	0.000095	0.000095	0.000095	-	0	-	-	0.000095		
Benzo(a)anthracene (aq)	mg/l	<0.000017	0.0001	DWS	1	1	0.000055	0.000055	0.000055	-	0	-	-	0.000055		
Benzo(b)fluoranthene (aq)	mg/l	<0.000023	0.0001	DWS	1	1	0.00005	0.00005	0.00005	-	0	-	-	0.00005		
Benzo(k)fluoranthene (aq)	mg/l	<0.000027	0.0001	DWS	1	1	0.000049	0.000049	0.000049	-	0	-	-	0.000049		
Benzo(a)pyrene (aq)	mg/l	<0.000009	0.00001	DWS	1	1	0.00006	0.00006	0.00006	-	1	-	-	0.00006		
Dibenzo(a,h)anthracene (aq)	mg/l	<0.000016	0.0001	DWS	1	0	0.000016	0.000016	-	-	0	-	-	<0.000016		
Benzo(g,h,i)perylene (aq)	mg/l	<0.000016	0.0001	DWS	1	1	0.000053	0.000053	0.000053	-	0	-	-	0.000053		
Indeno(1,2,3-cd)pyrene (aq)	mg/l	<0.000014	0.0001	DWS	1	1	0.000037	0.000037	0.000037	-	0	-	-	0.000037		
Polyaromatic hydrocarbons, Total USEPA 16 (a	mg/l	<0.0001	-	-	1	1	0.000563	0.000563	0.000563	-	-	-	-	0.000563		
Naphthalene-d8	%		-	-	1	1	100	100	100	-	-	-	-	100		
Acenaphthene-d10	%		-	-	1	1	100	100	100	-	-	-	-	100		
Phenanthrene-d10	%		-	-	1	1	100	100	100	-	-	-	-	100		
Chrysene-d12	%		-	-	1	1	100	100	100	-	-	-	-	100		
Perylene-d12	%		-	-	1	1	100	100	100	-	-	-	-	100		
Semi-Volatile Organic Compo					0	0	0	0	-	-	0					
1,2,4-Trichlorobenzene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
1,2-Dichlorobenzene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
1,3-Dichlorobenzene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
1,4-Dichlorobenzene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
2,4,5-Trichlorophenol (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
2,4,6-Trichlorophenol (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
2,4-Dichlorophenol (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
2,4-Dimethylphenol (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
2,4-Dinitrotoluene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
2,6-Dinitrotoluene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
2-Chloronaphthalene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
2-Chlorophenol (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
2-Methylnaphthalene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
2-Methylphenol (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
2-Nitroaniline (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
2-Nitrophenol (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
3-Nitroaniline (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
4-Bromophenylphenylether (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
4-Chloro-3-methylphenol (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
4-Chloroaniline (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
4-Chlorophenylphenylether (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
4-Methylphenol (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
4-Nitrophenol (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
4-Nitroaniline (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
Azobenzene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
Acenaphthylene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	<0.001	-		
Acenaphthene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	<0.001	-		
Anthracene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	<0.001	-		
bis(2-Chloroethyl)ether (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
bis(2-Chloroethoxy)methane (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
bis(2-Ethylhexyl) phthalate (aq)	mg/l	<0.002	-	-	2	0	0.002	0.002	-	-	-	-	<0.002	<0.002		
Benzo(a)anthracene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	<0.001	-		
Butylbenzyl phthalate (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
Benzo(b)fluoranthene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	<0.001	-		
Benzo(k)fluoranthene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	<0.001	-		
Benzo(a)pyrene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	<0.001	-		
Benzo(g,h,i)perylene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	<0.001	-		
Carbazole (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
Chrysene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	<0.001	-		
Dibenzofuran (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
n-Dibutyl phthalate (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
Diethyl phthalate (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
Dibenzo(a,h)anthracene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	<0.001	-		
Dimethyl phthalate (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
n-Dioctyl phthalate (aq)	mg/l	<0.005	-	-	2	0	0.005	0.005	-	-	-	-	<0.005	<0.005		
Fluoranthene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	<0.001	-		

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data				
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	SWE1 SW 21/07/2010 1859405	SWE1 SW 29/07/2010 1896296	SWE 1 SW 04/08/2010 1924811		
Fluorene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	<0.001	-		
Hexachlorobenzene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
Hexachlorobutadiene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
Pentachlorophenol (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
Phenol (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
n-Nitroso-n-dipropylamine (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
Hexachloroethane (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
Nitrobenzene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
Naphthalene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	<0.001	-		
Isophorone (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
Hexachlorocyclopentadiene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.002	-	-	-	-	<0.001	<0.002		
Phenanthrene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	<0.001	-		
Indeno(1,2,3-cd)pyrene (aq)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
Pyrene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	<0.001	-		
Volatile Organic Compounds					0	0	0	0	-	-	0					
Dibromofluoromethane**	%		-	-	2	2	95.8	102	98.9	4.384062043	-	-	102	95.8		
Toluene-d8**	%		-	-	2	2	97.5	98.7	98.1	0.848528137	-	-	98.7	97.5		
4-Bromofluorobenzene**	%		-	-	2	2	95.2	96.4	95.8	0.848528137	-	-	95.2	96.4		
Dichlorodifluoromethane	mg/l	<0.007	-	-	2	0	0.007	0.007	-	-	-	-	<0.007	<0.007		
Chloromethane	mg/l	<0.009	-	-	2	0	0.009	0.009	-	-	-	-	<0.009	<0.009		
Vinyl chloride	mg/l	<0.0012	0.0005	DWS	2	0	0.0012	0.0012	-	-	2	-	<0.0012	<0.0012		
Bromomethane	mg/l	<0.002	-	-	2	0	0.002	0.002	-	-	-	-	<0.002	<0.002		
Chloroethane	mg/l	<0.0025	-	-	2	0	0.0025	0.0025	-	-	-	-	<0.0025	<0.0025		
Trichlorofluoromethane	mg/l	<0.0013	-	-	2	0	0.0013	0.0013	-	-	-	-	<0.0013	<0.0013		
1,1-Dichloroethene	mg/l	<0.0012	-	-	2	0	0.0012	0.0012	-	-	-	-	<0.0012	<0.0012		
Carbon disulphide	mg/l	<0.0013	-	-	2	0	0.0013	0.0013	-	-	-	-	<0.0013	<0.0013		
Dichloromethane	mg/l	<0.0037	-	-	2	0	0.0037	0.0037	-	-	-	-	<0.0037	<0.0037		
Methyl tertiary butyl ether (MTBE)	mg/l	<0.0016	-	-	2	0	0.0016	0.0016	-	-	-	-	<0.0016	<0.0016		
trans-1,2-Dichloroethene	mg/l	<0.0019	0.05	WHO Health	2	0	0.0019	0.0019	-	-	0	-	<0.0019	<0.0019		
1,1-Dichloroethane	mg/l	<0.0012	-	-	2	0	0.0012	0.0012	-	-	-	-	<0.0012	<0.0012		
cis-1,2-Dichloroethene	mg/l	<0.0023	0.05	WHO Health	2	0	0.0023	0.0023	-	-	0	-	<0.0023	<0.0023		
2,2-Dichloropropane	mg/l	<0.0038	-	-	2	0	0.0038	0.0038	-	-	-	-	<0.0038	<0.0038		
Bromochloromethane	mg/l	<0.0019	-	-	2	0	0.0019	0.0019	-	-	-	-	<0.0019	<0.0019		
Chloroform	mg/l	<0.0018	-	-	2	0	0.0018	0.0018	-	-	-	-	<0.0018	<0.0018		
1,1,1-Trichloroethane	mg/l	<0.0013	-	-	2	0	0.0013	0.0013	-	-	-	-	<0.0013	<0.0013		
1,1-Dichloropropene	mg/l	<0.0013	-	-	2	0	0.0013	0.0013	-	-	-	-	<0.0013	<0.0013		
Carbontetrachloride	mg/l	<0.0014	-	-	2	0	0.0014	0.0014	-	-	-	-	<0.0014	<0.0014		
1,2-Dichloroethane	mg/l	<0.0033	-	-	2	0	0.0033	0.0033	-	-	-	-	<0.0033	<0.0033		
Benzene	mg/l	<0.0013	-	-	2	0	0.0013	0.0013	-	-	-	-	<0.0013	<0.0013		
Trichloroethene	mg/l	<0.0025	0.01	EQS	2	0	0.0025	0.0025	-	-	0	-	<0.0025	<0.0025		
1,2-Dichloropropane	mg/l	<0.003	-	-	2	0	0.003	0.003	-	-	-	-	<0.003	<0.003		
Dibromomethane	mg/l	<0.0027	-	-	2	0	0.0027	0.0027	-	-	-	-	<0.0027	<0.0027		
Bromodichloromethane	mg/l	<0.0009	-	-	2	0	0.0009	0.0009	-	-	-	-	<0.0009	<0.0009		
cis-1,3-Dichloropropene	mg/l	<0.0019	-	-	2	0	0.0019	0.0019	-	-	-	-	<0.0019	<0.0019		
Toluene	mg/l	<0.0014	-	-	2	0	0.0014	0.0014	-	-	-	-	<0.0014	<0.0014		
trans-1,3-Dichloropropene	mg/l	<0.0035	-	-	2	0	0.0035	0.0035	-	-	-	-	<0.0035	<0.0035		
1,1,2-Trichloroethane	mg/l	<0.0022	-	-	2	0	0.0022	0.0022	-	-	-	-	<0.0022	<0.0022		
1,3-Dichloropropane	mg/l	<0.0022	-	-	2	0	0.0022	0.0022	-	-	-	-	<0.0022	<0.0022		
Tetrachloroethene	mg/l	<0.0015	-	-	2	0	0.0015	0.0015	-	-	-	-	<0.0015	<0.0015		
Dibromochloromethane	mg/l	<0.0017	-	-	2	0	0.0017	0.0017	-	-	-	-	<0.0017	<0.0017		
1,2-Dibromoethane	mg/l	<0.0023	-	-	2	0	0.0023	0.0023	-	-	-	-	<0.0023	<0.0023		
Chlorobenzene	mg/l	<0.0035	-	-	2	0	0.0035	0.0035	-	-	-	-	<0.0035	<0.0035		
1,1,1,2-Tetrachloroethane	mg/l	<0.0013	-	-	2	0	0.0013	0.0013	-	-	-	-	<0.0013	<0.0013		
Ethylbenzene	mg/l	<0.0025	-	-	2	0	0.0025	0.0025	-	-	-	-	<0.0025	<0.0025		
m,p-Xylene	mg/l	<0.0025	-	-	2	0	0.0025	0.0025	-	-	-	-	<0.0025	<0.0025		
o-Xylene	mg/l	<0.0017	-	-	2	0	0.0017	0.0017	-	-	-	-	<0.0017	<0.0017		
Styrene	mg/l	<0.0012	-	-	2	0	0.0012	0.0012	-	-	-	-	<0.0012	<0.0012		
Bromoform	mg/l	<0.003	-	-	2	0	0.003	0.003	-	-	-	-	<0.003	<0.003		
Isopropylbenzene	mg/l	<0.0014	-	-	2	0	0.0014	0.0014	-	-	-	-	<0.0014	<0.0014		
1,1,2,2-Tetrachloroethane	mg/l	<0.0052	-	-	2	0	0.0052	0.0052	-	-	-	-	<0.0052	<0.0052		
1,2,3-Trichloropropane	mg/l	<0.0078	-	-	2	0	0.0078	0.0078	-	-	-	-	<0.0078	<0.0078		
Bromobenzene	mg/l	<0.002	-	-	2	0	0.002	0.002	-	-	-	-	<0.002	<0.002		
Propylbenzene	mg/l	<0.0026	-	-	2	0	0.0026	0.0026	-	-	-	-	<0.0026	<0.0026		
2-Chlorotoluene	mg/l	<0.0019	-	-	2	0	0.0019	0.0019	-	-	-	-	<0.0019	<0.0019		
1,3,5-Trimethylbenzene	mg/l	<0.0018	-	-	2	0	0.0018	0.0018	-	-	-	-	<0.0018	<0.0018		
4-Chlorotoluene	mg/l	<0.0019	-	-	2	0	0.0019	0.0019	-	-	-	-	<0.0019	<0.0019		
tert-Butylbenzene	mg/l	<0.002	-	-	2	0	0.002	0.002	-	-	-	-	<0.002	<0.002		
1,2,4-Trimethylbenzene	mg/l	<0.0017	-	-	2	0	0.0017	0.0017	-	-	-	-	<0.0017	<0.0017		
sec-Butylbenzene	mg/l	<0.0017	-	-	2	0	0.0017	0.0017	-	-	-	-	<0.0017	<0.0017		
4-iso-Propyltoluene	mg/l	<0.0026	-	-	2	0	0.0026	0.0026	-	-	-	-	<0.0026	<0.0026		
1,3-Dichlorobenzene	mg/l	<0.0022	-	-	2	0	0.0022	0.0022	-	-	-	-	<0.0022	<0.0022		
1,4-Dichlorobenzene	mg/l	<0.0027	-	-	2	0	0.0027	0.0027	-	-	-	-	<0.0027	<0.0027		
n-Butylbenzene	mg/l	<0.002	-	-	2	0	0.002	0.002	-	-	-	-	<0.002	<0.002		
1,2-Dichlorobenzene	mg/l	<0.0037	-	-	2	0	0.0037	0.0037	-	-	-	-	<0.0037	<0.0037		
1,2-Dibromo-3-chloropropane	mg/l	<0.0098	-	-	2	0	0.0098	0.0098	-	-	-	-	<0.0098	<0.0098		
1,2,4-Trichlorobenzene	mg/l	<0.0023	-	-	2	0	0.0023	0.0023	-	-	-	-	<0.0023	<0.0023		
Hexachlorobutadiene	mg/l	<0.0025	-	-	2	0	0.0025	0.0025	-	-	-	-	<0.0025	<0.0025		
tert-Amyl methyl ether (TAME)	mg/l	<0.001	-	-	2	0	0.001	0.001	-	-	-	-	<0.001	<0.001		
Naphthalene	mg/l	<0.0035	-	-	2	0	0.0035	0.0035	-	-	-	-	<0.0035	<0.0035		
1,2,3-Trichlorobenzene	mg/l	<0.0031	-	-	2	0	0.0031	0.0031	-	-	-	-	<0.0031	<0.0031		
1,3,5-Trichlorobenzene	mg/l	<0.01	-	-	2	0	0.01	0.01	-	-	-	-	<0.01	<0.01		

Data Summary Statistics

Site:	DSDC Bicester - Site E	**Project No:**	26999
Data Description:	Groundwater and Surface water	**SOM (%):**	na
Land Use:	MOD Storage and Distribution	**Completed By:**	MIFFL
Receptor:	Controlled Waters	**Checked By:**	

Assessment Criteria Key
x) Laboratory limit of detection
DWS = Drinking Water Standard
EQS = Env. Quality Standard
WHO - World Health Organisation Standard

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data				
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	SWE5 SW 21/07/2010 1859421	SWE5 SW 29/07/2010 1896298	SWE 5 SW 04/08/2010 1924861		
Inorganics					0	0	0	0	-	-	0					
Alkalinity, Total as CaCO3	mg/l	<2	-	-	1	1	140	140	140	-	-	140	-	-		
Ammoniacal Nitrogen as NH4	mg/l	<0.3	0.5	DWS	3	3	0.374	0.868	0.567	0.264115505	1	0.459	0.868	0.374		
Conductivity @ 20 deg.C	mS/cm	<0.014	-	-	1	1	0.944	0.944	0.944	-	-	0.944	-	-		
Sulphate	mg/l	<3	400	EQS	3	3	34.4	168	101.1333333	66.8000998	0	168	101	34.4		
Chloride	mg/l	<2	250	EQS	3	3	22.5	143	101.1666667	68.17318632	0	138	143	22.5		
pH	pH Units	<1	-	-	3	3	7.35	7.97	7.696666667	0.316438514	-	7.77	7.35	7.97		
Filtered (Dissolved) Metals					0	0	0	0	-	-	0					
Arsenic (diss.filt)	mg/l	<0.00012	0.05	EQS	3	3	0.000599	0.00119	0.000844333	0.00030801	0	0.000744	0.00119	0.000599		
Boron (diss.filt)	mg/l	<0.0094	2	EQS	3	3	0.0355	0.108	0.075133333	0.036720612	0	0.0819	0.108	0.0355		
Cadmium (diss.filt)	mg/l	<0.0001	0.05	EQS	3	0	0.0001	0.0001	-	-	0	<0.0001	<0.0001	<0.0001		
Chromium (diss.filt)	mg/l	<0.00022	0.02	EQS	3	3	0.00173	0.0109	0.00529	0.004916716	0	0.00324	0.0109	0.00173		
Copper (diss.filt)	mg/l	<0.00085	0.01	EQS	3	2	0.00085	0.00251	0.001696667	0.000830502	0	0.00173	<0.00085	0.00251		
Lead (diss.filt)	mg/l	<0.00002	0.02	EQS	3	3	0.000089	0.000132	0.000110333	2.15019E-05	0	0.000132	0.000089	0.00011		
Nickel (diss.filt)	mg/l	<0.00015	0.15	EQS	3	1	0.00015	0.00394	0.001413333	-	0	0.00394	<0.00015	<0.00015		
Selenium (diss.filt)	mg/l	<0.00039	0.01	DWS	3	2	0.00039	0.000676	0.000548	0.000145341	0	0.000676	0.000578	<0.00039		
Zinc (diss.filt)	mg/l	<0.00041	0.075	EQS	3	3	0.00144	0.0318	0.01788	0.015336075	0	0.0204	0.00144	0.0318		
Mercury (diss.filt)	mg/l	<0.00001	0.001	EQS	3	0	0.00001	0.00001	-	-	0	<0.00001	<0.00001	<0.00001		
Gasoline Range Organics (GF					0	0	0	0	-	-	0					
Aliphatics >C5-C6	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-		
Aliphatics >C6-C8	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-		
Aliphatics >C8-C10	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-		
Aliphatics >C10-C12	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-		
Total Aliphatics >C5-C12	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-		
Aromatics >C6-C7	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-		
Aromatics >C7-C8	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-		
Aromatics >EC8-EC10	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-		
Aromatics >EC10-EC12	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-		
Total Aromatics >C6-C12	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-	-	-		
GRO Surrogate % recovery**	%		-	-	0	0	0	0	-	-	-	-	-	-		
Benzene	mg/l	<0.007	0.3	EQS	0	0	0	0	-	-	0	-	-	-		
Toluene	mg/l	<0.004	0.05	EQS	0	0	0	0	-	-	0	-	-	-		
Ethylbenzene	mg/l	<0.005	0.3	WHO Health	0	0	0	0	-	-	0	-	-	-		
m,p-Xylene	mg/l	<0.008	-	x	0	0	0	0	-	-	0	-	-	-		
o-Xylene	mg/l	<0.003	-	x	0	0	0	0	-	-	0	-	-	-		
m,p,o-Xylene	mg/l	<0.01	0.03	EQS	0	0	0	0	-	-	0	-	-	-		
BTEX, Total	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-	-	-		
Methyl tertiary butyl ether (MTBE)	mg/l	<0.003	-	-	0	0	0	0	-	-	-	-	-	-		
GRO >C5-C6	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-		
GRO >C6-C7	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-		
GRO >C7-C8	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-		
GRO >C8-C10	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-		
GRO >C5-C12	mg/l	<0.05	-		0	0	0	0	-	-	0	-	-	-		
GRO >C10-C12	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-		
Extractable Petroleum Hydroc					0	0	0	0	-	-	0					
EPH Range >C10 - C40 (aq)	mg/l	<0.046	-	-	1	1	0.0978	0.0978	0.0978	-	-	0.0978	-	-		
EPH Band >C10-C12 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	-	<0.01	-	-		
EPH Band >C12-C16 (aq)	mg/l	<0.01	-		1	1	0.0348	0.0348	0.0348	-	-	0.0348	-	-		
EPH Band >C16-C21 (aq)	mg/l	<0.01	-		1	1	0.0187	0.0187	0.0187	-	-	0.0187	-	-		
EPH Band >C21-C28 (aq)	mg/l	<0.01	-		1	1	0.0186	0.0186	0.0186	-	-	0.0186	-	-		
EPH Band >C35-C40 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	-	<0.01	-	-		
EPH Band >C28-C35 (aq)	mg/l	<0.01	-		1	1	0.0203	0.0203	0.0203	-	-	0.0203	-	-		
Speciated EPH CWG					0	0	0	0	-	-	0					
Aliphatics >C12-C16 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-		
Aliphatics >C16-C21 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-		
Aliphatics >C21-C35 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-		
Total Aliphatics >C12-C35 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-		
Aromatics >EC12-EC16 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-		
Aromatics >EC16-EC21 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-		
Aromatics >EC21-EC35 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-		
Total Aromatics >EC12-EC35 (aq)	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-	-	-		
Total Aliphatics & Aromatics >C12-C35 (Aqueo	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-	-	-		
TPH Criteria Working Group (					0	0	0	0	-	-	0					
Total Aliphatics & Aromatics >C5-35 (aq)	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-	-	-		
Total Aliphatics >C5-C35 (aq)	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-	-	-		
Total Aromatics >C6-C35 (aq)	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-	-	-		

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data				
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	SWE5 SW 21/07/2010 1859421	SWE5 SW 29/07/2010 1896298	SWE 5 SW 04/08/2010 1924861		
Polyaromatic Hydrocarbons (					0	0	0	0	-	-	0					
Naphthalene (aq)	mg/l	<0.0001	0.01	EQS	0	0	0	0	-	-	0	-	-	-		
Acenaphthene (aq)	mg/l	<0.000015	0.0001	DWS	0	0	0	0	-	-	0	-	-	-		
Acenaphthylene (aq)	mg/l	<0.000011	0.0001	DWS	0	0	0	0	-	-	0	-	-	-		
Fluoranthene (aq)	mg/l	<0.000014	0.0001	DWS	0	0	0	0	-	-	0	-	-	-		
Anthracene (aq)	mg/l	<0.000015	0.0001	DWS	0	0	0	0	-	-	0	-	-	-		
Phenanthrene (aq)	mg/l	<0.000022	0.0001	DWS	0	0	0	0	-	-	0	-	-	-		
Fluorene (aq)	mg/l	<0.000014	0.0001	DWS	0	0	0	0	-	-	0	-	-	-		
Chrysene (aq)	mg/l	<0.000013	0.0001	DWS	0	0	0	0	-	-	0	-	-	-		
Pyrene (aq)	mg/l	<0.000015	0.0001	DWS	0	0	0	0	-	-	0	-	-	-		
Benzo(a)anthracene (aq)	mg/l	<0.000017	0.0001	DWS	0	0	0	0	-	-	0	-	-	-		
Benzo(b)fluoranthene (aq)	mg/l	<0.000023	0.0001	DWS	0	0	0	0	-	-	0	-	-	-		
Benzo(k)fluoranthene (aq)	mg/l	<0.000027	0.0001	DWS	0	0	0	0	-	-	0	-	-	-		
Benzo(a)pyrene (aq)	mg/l	<0.000009	0.00001	DWS	0	0	0	0	-	-	0	-	-	-		
Dibenzo(a,h)anthracene (aq)	mg/l	<0.000016	0.0001	DWS	0	0	0	0	-	-	0	-	-	-		
Benzo(g,h,i)perylene (aq)	mg/l	<0.000016	0.0001	DWS	0	0	0	0	-	-	0	-	-	-		
Indeno(1,2,3-cd)pyrene (aq)	mg/l	<0.000014	0.0001	DWS	0	0	0	0	-	-	0	-	-	-		
Polyaromatic hydrocarbons, Total USEPA 16 (a	mg/l	<0.0001	-	-	0	0	0	0	-	-	-	-	-	-		
Naphthalene-d8	%		-	-	0	0	0	0	-	-	-	-	-	-		
Acenaphthene-d10	%		-	-	0	0	0	0	-	-	-	-	-	-		
Phenanthrene-d10	%		-	-	0	0	0	0	-	-	-	-	-	-		
Chrysene-d12	%		-	-	0	0	0	0	-	-	-	-	-	-		
Perylene-d12	%		-	-	0	0	0	0	-	-	-	-	-	-		
Semi-Volatile Organic Compo					0	0	0	0	-	-	0					
1,2,4-Trichlorobenzene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
1,2-Dichlorobenzene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
1,3-Dichlorobenzene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
1,4-Dichlorobenzene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
2,4,5-Trichlorophenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
2,4,6-Trichlorophenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
2,4-Dichlorophenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
2,4-Dimethylphenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
2,4-Dinitrotoluene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
2,6-Dinitrotoluene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
2-Chloronaphthalene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
2-Chlorophenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
2-Methylnaphthalene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
2-Methylphenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
2-Nitroaniline (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
2-Nitrophenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
3-Nitroaniline (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
4-Bromophenylphenylether (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
4-Chloro-3-methylphenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
4-Chloroaniline (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
4-Chlorophenylphenylether (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
4-Methylphenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
4-Nitrophenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
4-Nitroaniline (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Azobenzene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Acenaphthylene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Acenaphthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Anthracene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
bis(2-Chloroethyl)ether (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
bis(2-Chloroethoxy)methane (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
bis(2-Ethylhexyl) phthalate (aq)	mg/l	<0.002	-	-	0	0	0	0	-	-	-	-	-	-		
Benzo(a)anthracene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Butylbenzyl phthalate (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Benzo(b)fluoranthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Benzo(k)fluoranthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Benzo(a)pyrene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Benzo(g,h,i)perylene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Carbazole (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Chrysene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Dibenzofuran (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
n-Dibutyl phthalate (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Diethyl phthalate (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Dibenzo(a,h)anthracene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Dimethyl phthalate (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
n-Dioctyl phthalate (aq)	mg/l	<0.005	-	-	0	0	0	0	-	-	-	-	-	-		
Fluoranthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data				
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	SWE5 SW 21/07/2010 1859421	SWE5 SW 29/07/2010 1896298	SWE 5 SW 04/08/2010 1924861		
Fluorene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Hexachlorobenzene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Hexachlorobutadiene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Pentachlorophenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Phenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
n-Nitroso-n-dipropylamine (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Hexachloroethane (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Nitrobenzene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Naphthalene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Isophorone (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Hexachlorocyclopentadiene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Phenanthrene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Indeno(1,2,3-cd)pyrene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Pyrene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Volatile Organic Compounds					0	0	0	0	-	-	0					
Dibromofluoromethane**	%		-	-	0	0	0	0	-	-	-	-	-	-		
Toluene-d8**	%		-	-	0	0	0	0	-	-	-	-	-	-		
4-Bromofluorobenzene**	%		-	-	0	0	0	0	-	-	-	-	-	-		
Dichlorodifluoromethane	mg/l	<0.007	-	-	0	0	0	0	-	-	-	-	-	-		
Chloromethane	mg/l	<0.009	-	-	0	0	0	0	-	-	-	-	-	-		
Vinyl chloride	mg/l	<0.0012	0.0005	DWS	0	0	0	0	-	-	0	-	-	-		
Bromomethane	mg/l	<0.002	-	-	0	0	0	0	-	-	-	-	-	-		
Chloroethane	mg/l	<0.0025	-	-	0	0	0	0	-	-	-	-	-	-		
Trichlorofluoromethane	mg/l	<0.0013	-	-	0	0	0	0	-	-	-	-	-	-		
1,1-Dichloroethene	mg/l	<0.0012	-	-	0	0	0	0	-	-	-	-	-	-		
Carbon disulphide	mg/l	<0.0013	-	-	0	0	0	0	-	-	-	-	-	-		
Dichloromethane	mg/l	<0.0037	-	-	0	0	0	0	-	-	-	-	-	-		
Methyl tertiary butyl ether (MTBE)	mg/l	<0.0016	-	-	0	0	0	0	-	-	-	-	-	-		
trans-1,2-Dichloroethene	mg/l	<0.0019	0.05	WHO Health	0	0	0	0	-	-	0	-	-	-		
1,1-Dichloroethane	mg/l	<0.0012	-	-	0	0	0	0	-	-	-	-	-	-		
cis-1,2-Dichloroethene	mg/l	<0.0023	0.05	WHO Health	0	0	0	0	-	-	0	-	-	-		
2,2-Dichloropropane	mg/l	<0.0038	-	-	0	0	0	0	-	-	-	-	-	-		
Bromochloromethane	mg/l	<0.0019	-	-	0	0	0	0	-	-	-	-	-	-		
Chloroform	mg/l	<0.0018	-	-	0	0	0	0	-	-	-	-	-	-		
1,1,1-Trichloroethane	mg/l	<0.0013	-	-	0	0	0	0	-	-	-	-	-	-		
1,1-Dichloropropene	mg/l	<0.0013	-	-	0	0	0	0	-	-	-	-	-	-		
Carbontetrachloride	mg/l	<0.0014	-	-	0	0	0	0	-	-	-	-	-	-		
1,2-Dichloroethane	mg/l	<0.0033	-	-	0	0	0	0	-	-	-	-	-	-		
Benzene	mg/l	<0.0013	-	-	0	0	0	0	-	-	-	-	-	-		
Trichloroethene	mg/l	<0.0025	0.01	EQS	0	0	0	0	-	-	0	-	-	-		
1,2-Dichloropropane	mg/l	<0.003	-	-	0	0	0	0	-	-	-	-	-	-		
Dibromomethane	mg/l	<0.0027	-	-	0	0	0	0	-	-	-	-	-	-		
Bromodichloromethane	mg/l	<0.0009	-	-	0	0	0	0	-	-	-	-	-	-		
cis-1,3-Dichloropropene	mg/l	<0.0019	-	-	0	0	0	0	-	-	-	-	-	-		
Toluene	mg/l	<0.0014	-	-	0	0	0	0	-	-	-	-	-	-		
trans-1,3-Dichloropropene	mg/l	<0.0035	-	-	0	0	0	0	-	-	-	-	-	-		
1,1,2-Trichloroethane	mg/l	<0.0022	-	-	0	0	0	0	-	-	-	-	-	-		
1,3-Dichloropropane	mg/l	<0.0022	-	-	0	0	0	0	-	-	-	-	-	-		
Tetrachloroethene	mg/l	<0.0015	-	-	0	0	0	0	-	-	-	-	-	-		
Dibromochloromethane	mg/l	<0.0017	-	-	0	0	0	0	-	-	-	-	-	-		
1,2-Dibromoethane	mg/l	<0.0023	-	-	0	0	0	0	-	-	-	-	-	-		
Chlorobenzene	mg/l	<0.0035	-	-	0	0	0	0	-	-	-	-	-	-		
1,1,1,2-Tetrachloroethane	mg/l	<0.0013	-	-	0	0	0	0	-	-	-	-	-	-		
Ethylbenzene	mg/l	<0.0025	-	-	0	0	0	0	-	-	-	-	-	-		
m,p-Xylene	mg/l	<0.0025	-	-	0	0	0	0	-	-	-	-	-	-		
o-Xylene	mg/l	<0.0017	-	-	0	0	0	0	-	-	-	-	-	-		
Styrene	mg/l	<0.0012	-	-	0	0	0	0	-	-	-	-	-	-		
Bromoform	mg/l	<0.003	-	-	0	0	0	0	-	-	-	-	-	-		
Isopropylbenzene	mg/l	<0.0014	-	-	0	0	0	0	-	-	-	-	-	-		
1,1,2,2-Tetrachloroethane	mg/l	<0.0052	-	-	0	0	0	0	-	-	-	-	-	-		
1,2,3-Trichloropropane	mg/l	<0.0078	-	-	0	0	0	0	-	-	-	-	-	-		
Bromobenzene	mg/l	<0.002	-	-	0	0	0	0	-	-	-	-	-	-		
Propylbenzene	mg/l	<0.0026	-	-	0	0	0	0	-	-	-	-	-	-		
2-Chlorotoluene	mg/l	<0.0019	-	-	0	0	0	0	-	-	-	-	-	-		
1,3,5-Trimethylbenzene	mg/l	<0.0018	-	-	0	0	0	0	-	-	-	-	-	-		
4-Chlorotoluene	mg/l	<0.0019	-	-	0	0	0	0	-	-	-	-	-	-		
tert-Butylbenzene	mg/l	<0.002	-	-	0	0	0	0	-	-	-	-	-	-		
1,2,4-Trimethylbenzene	mg/l	<0.0017	-	-	0	0	0	0	-	-	-	-	-	-		
sec-Butylbenzene	mg/l	<0.0017	-	-	0	0	0	0	-	-	-	-	-	-		
4-iso-Propyltoluene	mg/l	<0.0026	-	-	0	0	0	0	-	-	-	-	-	-		
1,3-Dichlorobenzene	mg/l	<0.0022	-	-	0	0	0	0	-	-	-	-	-	-		
1,4-Dichlorobenzene	mg/l	<0.0027	-	-	0	0	0	0	-	-	-	-	-	-		
n-Butylbenzene	mg/l	<0.002	-	-	0	0	0	0	-	-	-	-	-	-		
1,2-Dichlorobenzene	mg/l	<0.0037	-	-	0	0	0	0	-	-	-	-	-	-		
1,2-Dibromo-3-chloropropane	mg/l	<0.0098	-	-	0	0	0	0	-	-	-	-	-	-		
1,2,4-Trichlorobenzene	mg/l	<0.0023	-	-	0	0	0	0	-	-	-	-	-	-		
Hexachlorobutadiene	mg/l	<0.0025	-	-	0	0	0	0	-	-	-	-	-	-		
tert-Amyl methyl ether (TAME)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-		
Naphthalene	mg/l	<0.0035	-	-	0	0	0	0	-	-	-	-	-	-		
1,2,3-Trichlorobenzene	mg/l	<0.0031	-	-	0	0	0	0	-	-	-	-	-	-		
1,3,5-Trichlorobenzene	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-	-	-		

Data Summary Statistics

Site:	DSDC Bicester - Site E	**Project No:**	26999
Data Description:	Groundwater and Surface water	**SOM (%):**	na
Land Use:	MOD Storage and Distribution	**Completed By:**	MIFFL
Receptor:	Controlled Waters	**Checked By:**	

Assessment Criteria Key
x) Laboratory limit of detection
DWS = Drinking Water Standard
EQS = Env. Quality Standard
WHO - World Health Organisation Standard

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics: Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	Sample Identifiers and Analytical Data: WSE 10 GW 04/08/2010 1925633	WSE 10 GW 18/08/2010 1984999			
Inorganics					0	0	0	0	-	-	0					
Alkalinity, Total as CaCO3	mg/l	<2	-	-	0	0	0	0	-	-	-	-	-			
Ammoniacal Nitrogen as NH4	mg/l	<0.3	0.5	DWS	2	0	0.3	0.3	-	-	0	<0.3	<0.3			
Conductivity @ 20 deg.C	mS/cm	<0.014	-	-	0	0	0	0	-	-	-	-				
Sulphate	mg/l	<3	400	EQS	2	2	84	91.8	87.9	5.515432893	0	91.8	84			
Chloride	mg/l	<2	250	EQS	2	2	67.1	67.5	67.3	0.282842712	0	67.5	67.1			
pH	pH Units	<1	-	-	2	2	7.66	7.74	7.7	0.056568542	-	7.74	7.66			
Filtered (Dissolved) Metals					0	0	0	0	-	-	0					
Arsenic (diss.filt)	mg/l	<0.00012	0.05	EQS	2	2	0.000527	0.000947	0.000737	0.000296985	0	0.000947	0.000527			
Boron (diss.filt)	mg/l	<0.0094	2	EQS	2	2	0.444	1.7	1.072	0.888126117	0	0.444	1.7			
Cadmium (diss.filt)	mg/l	<0.0001	0.05	EQS	2	0	0.0001	0.0001	-	-	0	<0.0001	<0.0001			
Chromium (diss.filt)	mg/l	<0.00022	0.02	EQS	2	2	0.00985	0.0113	0.010575	0.001025305	0	0.00985	0.0113			
Copper (diss.filt)	mg/l	<0.00085	0.01	EQS	2	2	0.000907	0.00168	0.0012935	0.000546594	0	0.000907	0.00168			
Lead (diss.filt)	mg/l	<0.00002	0.02	EQS	2	2	0.000035	0.000232	0.0001335	0.0001393	0	0.000035	0.000232			
Nickel (diss.filt)	mg/l	<0.00015	0.15	EQS	2	2	0.00528	0.00672	0.006	0.001018234	0	0.00528	0.00672			
Selenium (diss.filt)	mg/l	<0.00039	0.01	DWS	2	2	0.000835	0.00247	0.0016525	0.00115612	0	0.00247	0.000835			
Zinc (diss.filt)	mg/l	<0.00041	0.075	EQS	2	2	0.00292	0.004	0.00346	0.000763675	0	0.004	0.00292			
Mercury (diss.filt)	mg/l	<0.00001	0.001	EQS	2	0	0.00001	0.00001	-	-	0	<0.00001	<0.00001			
Gasoline Range Organics (GF					0	0	0	0	-	-	0					
Aliphatics >C5-C6	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-			
Aliphatics >C6-C8	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-			
Aliphatics >C8-C10	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-			
Aliphatics >C10-C12	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-			
Total Aliphatics >C5-C12	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-			
Aromatics >C6-C7	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-			
Aromatics >C7-C8	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-			
Aromatics >EC8-EC10	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-			
Aromatics >EC10-EC12	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-			
Total Aromatics >C6-C12	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-	-			
GRO Surrogate % recovery**	%		-	-	0	0	0	0	-	-	-	-	-			
Benzene	mg/l	<0.007	0.3	EQS	1	0	0.007	0.007	-	-	0	<0.007	-			
Toluene	mg/l	<0.004	0.05	EQS	1	0	0.004	0.004	-	-	0	<0.004	-			
Ethylbenzene	mg/l	<0.005	0.3	WHO Health	1	0	0.005	0.005	-	-	0	<0.005	-			
m,p-Xylene	mg/l	<0.008	-	x	1	0	0.008	0.008	-	-	0	<0.008	-			
o-Xylene	mg/l	<0.003	-	x	1	0	0.003	0.003	-	-	0	<0.003	-			
m,p,o-Xylene	mg/l	<0.01	0.03	EQS	1	0	0.01	0.01	-	-	0	<0.01	-			
BTEX, Total	mg/l	<0.01	-	-	1	0	0.01	0.01	-	-	-	<0.01	-			
Methyl tertiary butyl ether (MTBE)	mg/l	<0.003	-	-	1	0	0.003	0.003	-	-	-	<0.003	-			
GRO >C5-C6	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-			
GRO >C6-C7	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-			
GRO >C7-C8	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-			
GRO >C8-C10	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-			
GRO >C5-C12	mg/l	<0.05	-		1	0	0.05	0.05	-	-	0	<0.05	-			
GRO >C10-C12	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01	-			
Extractable Petroleum Hydroc					0	0	0	0	-	-	0					
EPH Range >C10 - C40 (aq)	mg/l	<0.046	-	-	2	2	0.0673	1.23	0.64865	0.822153054	-	1.23	0.0673			
EPH Band >C10-C12 (aq)	mg/l	<0.01	-		2	0	0.01	0.01	-	-	-	<0.01	<0.01			
EPH Band >C12-C16 (aq)	mg/l	<0.01	-		2	1	0.01	0.0268	0.0184	-	-	0.0268	<0.01			
EPH Band >C16-C21 (aq)	mg/l	<0.01	-		2	2	0.0454	0.84	0.4427	0.561867048	-	0.84	0.0454			
EPH Band >C21-C28 (aq)	mg/l	<0.01	-		2	2	0.0155	0.247	0.13125	0.16369522	-	0.247	0.0155			
EPH Band >C35-C40 (aq)	mg/l	<0.01	-		2	1	0.01	0.038	0.024	-	-	0.038	<0.01			
EPH Band >C28-C35 (aq)	mg/l	<0.01	-		2	1	0.01	0.0775	0.04375	-	0	0.0775	<0.01			
Speciated EPH CWG					0	0	0	0	-	-	0					
Aliphatics >C12-C16 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-			
Aliphatics >C16-C21 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-			
Aliphatics >C21-C35 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-			
Total Aliphatics >C12-C35 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-			
Aromatics >EC12-EC16 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-			
Aromatics >EC16-EC21 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-			
Aromatics >EC21-EC35 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-			
Total Aromatics >EC12-EC35 (aq)	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-	-			
Total Aliphatics & Aromatics >C12-C35 (Aqueo	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-	-			
TPH Criteria Working Group (					0	0	0	0	-	-	0					
Total Aliphatics & Aromatics >C5-35 (aq)	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-	-			
Total Aliphatics >C5-C35 (aq)	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-	-			
Total Aromatics >C6-C35 (aq)	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-	-			

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data				
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	WSE 10 GW 04/08/2010 1925633	WSE 10 GW 18/08/2010 1984999			
Polyaromatic Hydrocarbons (					0	0	0	0	-	-	0					
Naphthalene (aq)	mg/l	<0.0001	0.01	EQS	0	0	0	0	-	-	0	-	-			
Acenaphthene (aq)	mg/l	<0.000015	0.0001	DWS	0	0	0	0	-	-	0	-	-			
Acenaphthylene (aq)	mg/l	<0.000011	0.0001	DWS	0	0	0	0	-	-	0	-	-			
Fluoranthene (aq)	mg/l	<0.000014	0.0001	DWS	0	0	0	0	-	-	0	-	-			
Anthracene (aq)	mg/l	<0.000015	0.0001	DWS	0	0	0	0	-	-	0	-	-			
Phenanthrene (aq)	mg/l	<0.000022	0.0001	DWS	0	0	0	0	-	-	0	-	-			
Fluorene (aq)	mg/l	<0.000014	0.0001	DWS	0	0	0	0	-	-	0	-	-			
Chrysene (aq)	mg/l	<0.000013	0.0001	DWS	0	0	0	0	-	-	0	-	-			
Pyrene (aq)	mg/l	<0.000015	0.0001	DWS	0	0	0	0	-	-	0	-	-			
Benzo(a)anthracene (aq)	mg/l	<0.000017	0.0001	DWS	0	0	0	0	-	-	0	-	-			
Benzo(b)fluoranthene (aq)	mg/l	<0.000023	0.0001	DWS	0	0	0	0	-	-	0	-	-			
Benzo(k)fluoranthene (aq)	mg/l	<0.000027	0.0001	DWS	0	0	0	0	-	-	0	-	-			
Benzo(a)pyrene (aq)	mg/l	<0.000009	0.00001	DWS	0	0	0	0	-	-	0	-	-			
Dibenzo(a,h)anthracene (aq)	mg/l	<0.000016	0.0001	DWS	0	0	0	0	-	-	0	-	-			
Benzo(g,h,i)perylene (aq)	mg/l	<0.000016	0.0001	DWS	0	0	0	0	-	-	0	-	-			
Indeno(1,2,3-cd)pyrene (aq)	mg/l	<0.000014	0.0001	DWS	0	0	0	0	-	-	0	-	-			
Polyaromatic hydrocarbons, Total USEPA 16 (a	mg/l	<0.0001	-	-	0	0	0	0	-	-	-	-	-			
Naphthalene-d8	%		-	-	0	0	0	0	-	-	-	-	-			
Acenaphthene-d10	%		-	-	0	0	0	0	-	-	-	-	-			
Phenanthrene-d10	%		-	-	0	0	0	0	-	-	-	-	-			
Chrysene-d12	%		-	-	0	0	0	0	-	-	-	-	-			
Perylene-d12	%		-	-	0	0	0	0	-	-	-	-	-			
Semi-Volatile Organic Compo					0	0	0	0	-	-	0					
1,2,4-Trichlorobenzene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
1,2-Dichlorobenzene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
1,3-Dichlorobenzene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
1,4-Dichlorobenzene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
2,4,5-Trichlorophenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
2,4,6-Trichlorophenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
2,4-Dichlorophenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
2,4-Dimethylphenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
2,4-Dinitrotoluene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
2,6-Dinitrotoluene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
2-Chloronaphthalene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
2-Chlorophenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
2-Methylnaphthalene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
2-Methylphenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
2-Nitroaniline (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
2-Nitrophenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
3-Nitroaniline (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
4-Bromophenylphenylether (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
4-Chloro-3-methylphenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
4-Chloroaniline (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
4-Chlorophenylphenylether (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
4-Methylphenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
4-Nitrophenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
4-Nitroaniline (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Azobenzene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Acenaphthylene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Acenaphthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Anthracene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
bis(2-Chloroethyl)ether (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
bis(2-Chloroethoxy)methane (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
bis(2-Ethylhexyl) phthalate (aq)	mg/l	<0.002	-	-	0	0	0	0	-	-	-	-	-			
Benzo(a)anthracene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Butylbenzyl phthalate (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Benzo(b)fluoranthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Benzo(k)fluoranthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Benzo(a)pyrene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Benzo(g,h,i)perylene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Carbazole (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Chrysene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Dibenzofuran (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
n-Dibutyl phthalate (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Diethyl phthalate (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Dibenzo(a,h)anthracene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Dimethyl phthalate (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
n-Dioctyl phthalate (aq)	mg/l	<0.005	-	-	0	0	0	0	-	-	-	-	-			
Fluoranthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data				
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	WSE 10 GW 04/08/2010 1925633	WSE 10 GW 18/08/2010 1984999			
Fluorene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Hexachlorobenzene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Hexachlorobutadiene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Pentachlorophenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Phenol (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
n-Nitroso-n-dipropylamine (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Hexachloroethane (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Nitrobenzene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Naphthalene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Isophorone (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Hexachlorocyclopentadiene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Phenanthrene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Indeno(1,2,3-cd)pyrene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Pyrene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Volatile Organic Compounds					0	0	0	0	-	-	0					
Dibromofluoromethane**	%		-	-	0	0	0	0	-	-	-	-	-			
Toluene-d8**	%		-	-	0	0	0	0	-	-	-	-	-			
4-Bromofluorobenzene**	%		-	-	0	0	0	0	-	-	-	-	-			
Dichlorodifluoromethane	mg/l	<0.007	-	-	0	0	0	0	-	-	-	-	-			
Chloromethane	mg/l	<0.009	-	-	0	0	0	0	-	-	-	-	-			
Vinyl chloride	mg/l	<0.0012	0.0005	DWS	0	0	0	0	-	-	0	-	-			
Bromomethane	mg/l	<0.002	-	-	0	0	0	0	-	-	-	-	-			
Chloroethane	mg/l	<0.0025	-	-	0	0	0	0	-	-	-	-	-			
Trichlorofluoromethane	mg/l	<0.0013	-	-	0	0	0	0	-	-	-	-	-			
1,1-Dichloroethene	mg/l	<0.0012	-	-	0	0	0	0	-	-	-	-	-			
Carbon disulphide	mg/l	<0.0013	-	-	0	0	0	0	-	-	-	-	-			
Dichloromethane	mg/l	<0.0037	-	-	0	0	0	0	-	-	-	-	-			
Methyl tertiary butyl ether (MTBE)	mg/l	<0.0016	-	-	0	0	0	0	-	-	-	-	-			
trans-1,2-Dichloroethene	mg/l	<0.0019	0.05	WHO Health	0	0	0	0	-	-	0	-	-			
1,1-Dichloroethane	mg/l	<0.0012	-	-	0	0	0	0	-	-	-	-	-			
cis-1,2-Dichloroethene	mg/l	<0.0023	0.05	WHO Health	0	0	0	0	-	-	0	-	-			
2,2-Dichloropropane	mg/l	<0.0038	-	-	0	0	0	0	-	-	-	-	-			
Bromochloromethane	mg/l	<0.0019	-	-	0	0	0	0	-	-	-	-	-			
Chloroform	mg/l	<0.0018	-	-	0	0	0	0	-	-	-	-	-			
1,1,1-Trichloroethane	mg/l	<0.0013	-	-	0	0	0	0	-	-	-	-	-			
1,1-Dichloropropene	mg/l	<0.0013	-	-	0	0	0	0	-	-	-	-	-			
Carbontetrachloride	mg/l	<0.0014	-	-	0	0	0	0	-	-	-	-	-			
1,2-Dichloroethane	mg/l	<0.0033	-	-	0	0	0	0	-	-	-	-	-			
Benzene	mg/l	<0.0013	-	-	0	0	0	0	-	-	-	-	-			
Trichloroethene	mg/l	<0.0025	0.01	EQS	0	0	0	0	-	-	0	-	-			
1,2-Dichloropropane	mg/l	<0.003	-	-	0	0	0	0	-	-	-	-	-			
Dibromomethane	mg/l	<0.0027	-	-	0	0	0	0	-	-	-	-	-			
Bromodichloromethane	mg/l	<0.0009	-	-	0	0	0	0	-	-	-	-	-			
cis-1,3-Dichloropropene	mg/l	<0.0019	-	-	0	0	0	0	-	-	-	-	-			
Toluene	mg/l	<0.0014	-	-	0	0	0	0	-	-	-	-	-			
trans-1,3-Dichloropropene	mg/l	<0.0035	-	-	0	0	0	0	-	-	-	-	-			
1,1,2-Trichloroethane	mg/l	<0.0022	-	-	0	0	0	0	-	-	-	-	-			
1,3-Dichloropropane	mg/l	<0.0022	-	-	0	0	0	0	-	-	-	-	-			
Tetrachloroethene	mg/l	<0.0015	-	-	0	0	0	0	-	-	-	-	-			
Dibromochloromethane	mg/l	<0.0017	-	-	0	0	0	0	-	-	-	-	-			
1,2-Dibromoethane	mg/l	<0.0023	-	-	0	0	0	0	-	-	-	-	-			
Chlorobenzene	mg/l	<0.0035	-	-	0	0	0	0	-	-	-	-	-			
1,1,1,2-Tetrachloroethane	mg/l	<0.0013	-	-	0	0	0	0	-	-	-	-	-			
Ethylbenzene	mg/l	<0.0025	-	-	0	0	0	0	-	-	-	-	-			
m,p-Xylene	mg/l	<0.0025	-	-	0	0	0	0	-	-	-	-	-			
o-Xylene	mg/l	<0.0017	-	-	0	0	0	0	-	-	-	-	-			
Styrene	mg/l	<0.0012	-	-	0	0	0	0	-	-	-	-	-			
Bromoform	mg/l	<0.003	-	-	0	0	0	0	-	-	-	-	-			
Isopropylbenzene	mg/l	<0.0014	-	-	0	0	0	0	-	-	-	-	-			
1,1,2,2-Tetrachloroethane	mg/l	<0.0052	-	-	0	0	0	0	-	-	-	-	-			
1,2,3-Trichloropropane	mg/l	<0.0078	-	-	0	0	0	0	-	-	-	-	-			
Bromobenzene	mg/l	<0.002	-	-	0	0	0	0	-	-	-	-	-			
Propylbenzene	mg/l	<0.0026	-	-	0	0	0	0	-	-	-	-	-			
2-Chlorotoluene	mg/l	<0.0019	-	-	0	0	0	0	-	-	-	-	-			
1,3,5-Trimethylbenzene	mg/l	<0.0018	-	-	0	0	0	0	-	-	-	-	-			
4-Chlorotoluene	mg/l	<0.0019	-	-	0	0	0	0	-	-	-	-	-			
tert-Butylbenzene	mg/l	<0.002	-	-	0	0	0	0	-	-	-	-	-			
1,2,4-Trimethylbenzene	mg/l	<0.0017	-	-	0	0	0	0	-	-	-	-	-			
sec-Butylbenzene	mg/l	<0.0017	-	-	0	0	0	0	-	-	-	-	-			
4-iso-Propyltoluene	mg/l	<0.0026	-	-	0	0	0	0	-	-	-	-	-			
1,3-Dichlorobenzene	mg/l	<0.0022	-	-	0	0	0	0	-	-	-	-	-			
1,4-Dichlorobenzene	mg/l	<0.0027	-	-	0	0	0	0	-	-	-	-	-			
n-Butylbenzene	mg/l	<0.002	-	-	0	0	0	0	-	-	-	-	-			
1,2-Dichlorobenzene	mg/l	<0.0037	-	-	0	0	0	0	-	-	-	-	-			
1,2-Dibromo-3-chloropropane	mg/l	<0.0098	-	-	0	0	0	0	-	-	-	-	-			
1,2,4-Trichlorobenzene	mg/l	<0.0023	-	-	0	0	0	0	-	-	-	-	-			
Hexachlorobutadiene	mg/l	<0.0025	-	-	0	0	0	0	-	-	-	-	-			
tert-Amyl methyl ether (TAME)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-			
Naphthalene	mg/l	<0.0035	-	-	0	0	0	0	-	-	-	-	-			
1,2,3-Trichlorobenzene	mg/l	<0.0031	-	-	0	0	0	0	-	-	-	-	-			
1,3,5-Trichlorobenzene	mg/l	<0.01	-	-	0	0	0	0	-	-	-	-	-			

Data Summary Statistics

Site:	DSDC Bicester - Site E	**Project No:**	26999
Data Description:	Groundwater and Surface water	**SOM (%):**	na
Land Use:	MOD Storage and Distribution	**Completed By:**	MIFFL
Receptor:	Controlled Waters	**Checked By:**	

Assessment Criteria Key
x) Laboratory limit of detection
DWS = Drinking Water Standard
EQS = Env. Quality Standard
WHO - World Health Organisation Standard

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics: Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	Sample Identifiers and Analytical Data: SWE10 SW 18/08/2010 1984939
Inorganics					0	0	0	0	-	-	0	
Alkalinity, Total as CaCO3	mg/l	<2	-	-	0	0	0	0	-	-	-	
Ammoniacal Nitrogen as NH4	mg/l	<0.3	0.5	DWS	1	0	0.3	0.3	-	-	0	<0.3
Conductivity @ 20 deg.C	mS/cm	<0.014	-	-	0	0	0	0	-	-	-	
Sulphate	mg/l	<3	400	EQS	1	1	74.1	74.1	74.1	-	0	74.1
Chloride	mg/l	<2	250	EQS	1	1	116	116	116	-	0	116
pH	pH Units	<1	-	-	1	1	8.31	8.31	8.31	-	-	8.31
Filtered (Dissolved) Metals					0	0	0	0	-	-	0	
Arsenic (diss.filt)	mg/l	<0.00012	0.05	EQS	1	1	0.000645	0.000645	0.000645	-	0	0.000645
Boron (diss.filt)	mg/l	<0.0094	2	EQS	1	1	1.38	1.38	1.38	-	0	1.38
Cadmium (diss.filt)	mg/l	<0.0001	0.05	EQS	1	0	0.0001	0.0001	-	-	0	<0.0001
Chromium (diss.filt)	mg/l	<0.00022	0.02	EQS	1	1	0.00325	0.00325	0.00325	-	0	0.00325
Copper (diss.filt)	mg/l	<0.00085	0.01	EQS	1	1	0.00244	0.00244	0.00244	-	0	0.00244
Lead (diss.filt)	mg/l	<0.00002	0.02	EQS	1	1	0.000164	0.000164	0.000164	-	0	0.000164
Nickel (diss.filt)	mg/l	<0.00015	0.15	EQS	1	1	0.0024	0.0024	0.0024	-	0	0.0024
Selenium (diss.filt)	mg/l	<0.00039	0.01	DWS	1	1	0.000566	0.000566	0.000566	-	0	0.000566
Zinc (diss.filt)	mg/l	<0.00041	0.075	EQS	1	1	0.00914	0.00914	0.00914	-	0	0.00914
Mercury (diss.filt)	mg/l	<0.00001	0.001	EQS	1	0	0.00001	0.00001	-	-	0	<0.00001
Gasoline Range Organics (GF					0	0	0	0	-	-	0	
Aliphatics >C5-C6	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01
Aliphatics >C6-C8	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01
Aliphatics >C8-C10	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01
Aliphatics >C10-C12	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01
Total Aliphatics >C5-C12	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01
Aromatics >C6-C7	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01
Aromatics >C7-C8	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01
Aromatics >EC8-EC10	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01
Aromatics >EC10-EC12	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01
Total Aromatics >C6-C12	mg/l	<0.01	-	-	1	0	0.01	0.01	-	-	-	<0.01
GRO Surrogate % recovery**	%		-	-	1	1	106	106	106	-	-	106
Benzene	mg/l	<0.007	0.3	EQS	1	0	0.007	0.007	-	-	0	<0.007
Toluene	mg/l	<0.004	0.05	EQS	1	0	0.004	0.004	-	-	0	<0.004
Ethylbenzene	mg/l	<0.005	0.3	WHO Health	1	0	0.005	0.005	-	-	0	<0.005
m,p-Xylene	mg/l	<0.008	-	x	1	0	0.008	0.008	-	-	0	<0.008
o-Xylene	mg/l	<0.003	-	x	1	0	0.003	0.003	-	-	0	<0.003
m,p,o-Xylene	mg/l	<0.01	0.03	EQS	1	0	0.01	0.01	-	-	0	<0.01
BTEX, Total	mg/l	<0.01	-	-	1	0	0.01	0.01	-	-	-	<0.01
Methyl tertiary butyl ether (MTBE)	mg/l	<0.003	-	-	1	0	0.003	0.003	-	-	0	<0.003
GRO >C5-C6	mg/l	<0.01	-		0	0	0	0	-	-	0	-
GRO >C6-C7	mg/l	<0.01	-		0	0	0	0	-	-	0	-
GRO >C7-C8	mg/l	<0.01	-		0	0	0	0	-	-	0	-
GRO >C8-C10	mg/l	<0.01	-		0	0	0	0	-	-	0	-
GRO >C5-C12	mg/l	<0.05	-		1	0	0.05	0.05	-	-	0	<0.05
GRO >C10-C12	mg/l	<0.01	-		0	0	0	0	-	-	0	-
Extractable Petroleum Hydroc					0	0	0	0	-	-	0	
EPH Range >C10 - C40 (aq)	mg/l	<0.046	-	-	0	0	0	0	-	-	-	-
EPH Band >C10-C12 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-
EPH Band >C12-C16 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-
EPH Band >C16-C21 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-
EPH Band >C21-C28 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-
EPH Band >C35-C40 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-
EPH Band >C28-C35 (aq)	mg/l	<0.01	-		0	0	0	0	-	-	0	-
Speciated EPH CWG					0	0	0	0	-	-	0	
Aliphatics >C12-C16 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01
Aliphatics >C16-C21 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01
Aliphatics >C21-C35 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01
Total Aliphatics >C12-C35 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01
Aromatics >EC12-EC16 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01
Aromatics >EC16-EC21 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01
Aromatics >EC21-EC35 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	0	<0.01
Total Aromatics >EC12-EC35 (aq)	mg/l	<0.01	-	-	1	0	0.01	0.01	-	-	-	<0.01
Total Aliphatics & Aromatics >C12-C35 (Aqueo	mg/l	<0.01	-	-	1	0	0.01	0.01	-	-	-	<0.01
TPH Criteria Working Group (					0	0	0	0	-	-	0	
Total Aliphatics & Aromatics >C5-35 (aq)	mg/l	<0.01	-	-	1	0	0.01	0.01	-	-	-	<0.01
Total Aliphatics >C5-C35 (aq)	mg/l	<0.01	-	-	1	0	0.01	0.01	-	-	-	<0.01
Total Aromatics >C6-C35 (aq)	mg/l	<0.01	-	-	1	0	0.01	0.01	-	-	-	<0.01

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data				
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	SWE10 SW 18/08/2010 1984939				
Polyaromatic Hydrocarbons (					0	0	0	0	-	-	0					
Naphthalene (aq)	mg/l	<0.0001	0.01	EQS	1	0	0.0001	0.0001	-	-	0	<0.0001				
Acenaphthene (aq)	mg/l	<0.000015	0.0001	DWS	1	0	0.000015	0.000015	-	-	0	<0.000015				
Acenaphthylene (aq)	mg/l	<0.000011	0.0001	DWS	1	0	0.000011	0.000011	-	-	0	<0.000011				
Fluoranthene (aq)	mg/l	<0.000014	0.0001	DWS	1	0	0.000014	0.000014	-	-	0	<0.000014				
Anthracene (aq)	mg/l	<0.000015	0.0001	DWS	1	0	0.000015	0.000015	-	-	0	<0.000015				
Phenanthrene (aq)	mg/l	<0.000022	0.0001	DWS	1	0	0.000022	0.000022	-	-	0	<0.000022				
Fluorene (aq)	mg/l	<0.000014	0.0001	DWS	1	0	0.000014	0.000014	-	-	0	<0.000014				
Chrysene (aq)	mg/l	<0.000013	0.0001	DWS	1	0	0.000013	0.000013	-	-	0	<0.000013				
Pyrene (aq)	mg/l	<0.000015	0.0001	DWS	1	0	0.000015	0.000015	-	-	0	<0.000015				
Benzo(a)anthracene (aq)	mg/l	<0.000017	0.0001	DWS	1	1	0.000019	0.000019	0.000019	-	0	0.000019				
Benzo(b)fluoranthene (aq)	mg/l	<0.000023	0.0001	DWS	1	0	0.000023	0.000023	-	-	0	<0.000023				
Benzo(k)fluoranthene (aq)	mg/l	<0.000027	0.0001	DWS	1	0	0.000027	0.000027	-	-	0	<0.000027				
Benzo(a)pyrene (aq)	mg/l	<0.000009	0.00001	DWS	1	1	0.000011	0.000011	0.000011	-	1	0.000011				
Dibenzo(a,h)anthracene (aq)	mg/l	<0.000016	0.0001	DWS	1	0	0.000016	0.000016	-	-	0	<0.000016				
Benzo(g,h,i)perylene (aq)	mg/l	<0.000016	0.0001	DWS	1	0	0.000016	0.000016	-	-	0	<0.000016				
Indeno(1,2,3-cd)pyrene (aq)	mg/l	<0.000014	0.0001	DWS	1	0	0.000014	0.000014	-	-	0	<0.000014				
Polyaromatic hydrocarbons, Total USEPA 16 (a	mg/l	<0.0001	-	-	1	0	0.0001	0.0001	-	-	-	<0.0001				
Naphthalene-d8	%		-	-	1	1	100	100	100	-	-	100				
Acenaphthene-d10	%		-	-	1	1	100	100	100	-	-	100				
Phenanthrene-d10	%		-	-	1	1	100	100	100	-	-	100				
Chrysene-d12	%		-	-	1	1	100	100	100	-	-	100				
Perylene-d12	%		-	-	1	1	100	100	100	-	-	100				
Semi-Volatile Organic Compo					0	0	0	0	-	-	0					
1,2,4-Trichlorobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
1,2-Dichlorobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
1,3-Dichlorobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
1,4-Dichlorobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
2,4,5-Trichlorophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
2,4,6-Trichlorophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
2,4-Dichlorophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
2,4-Dimethylphenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
2,4-Dinitrotoluene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
2,6-Dinitrotoluene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
2-Chloronaphthalene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
2-Chlorophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
2-Methylnaphthalene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
2-Methylphenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
2-Nitroaniline (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
2-Nitrophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
3-Nitroaniline (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
4-Bromophenylphenylether (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
4-Chloro-3-methylphenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
4-Chloroaniline (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
4-Chlorophenylphenylether (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
4-Methylphenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
4-Nitrophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
4-Nitroaniline (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Azobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Acenaphthylene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Acenaphthene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Anthracene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
bis(2-Chloroethyl)ether (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
bis(2-Chloroethoxy)methane (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
bis(2-Ethylhexyl) phthalate (aq)	mg/l	<0.002	-	-	1	0	0.002	0.002	-	-	-	<0.002				
Benzo(a)anthracene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Butylbenzyl phthalate (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Benzo(b)fluoranthene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Benzo(k)fluoranthene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Benzo(a)pyrene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Benzo(g,h,i)perylene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Carbazole (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Chrysene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Dibenzofuran (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
n-Dibutyl phthalate (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Diethyl phthalate (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Dibenzo(a,h)anthracene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Dimethyl phthalate (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
n-Dioctyl phthalate (aq)	mg/l	<0.005	-	-	1	0	0.005	0.005	-	-	-	<0.005				
Fluoranthene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data				
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	SWE10 SW 18/08/2010 1984939				
Fluorene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Hexachlorobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Hexachlorobutadiene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Pentachlorophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Phenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
n-Nitroso-n-dipropylamine (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Hexachloroethane (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Nitrobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Naphthalene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Isophorone (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Hexachlorocyclopentadiene (aq)	mg/l	<0.001	-	-	1	0	0.002	0.002	-	-	-	<0.002				
Phenanthrene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Indeno(1,2,3-cd)pyrene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Pyrene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Volatile Organic Compounds					0	0	0	0	-	-	0					
Dibromofluoromethane**	%		-	-	1	1	109	109	109	-	-	109				
Toluene-d8**	%		-	-	1	1	99.6	99.6	99.6	-	-	99.6				
4-Bromofluorobenzene**	%		-	-	1	1	102	102	102	-	-	102				
Dichlorodifluoromethane	mg/l	<0.007	-	-	1	0	0.007	0.007	-	-	-	<0.007				
Chloromethane	mg/l	<0.009	-	-	1	0	0.009	0.009	-	-	-	<0.009				
Vinyl chloride	mg/l	<0.0012	0.0005	DWS	1	0	0.0012	0.0012	-	-	1	<0.0012				
Bromomethane	mg/l	<0.002	-	-	1	0	0.002	0.002	-	-	-	<0.002				
Chloroethane	mg/l	<0.0025	-	-	1	0	0.0025	0.0025	-	-	-	<0.0025				
Trichlorofluoromethane	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	<0.0013				
1,1-Dichloroethene	mg/l	<0.0012	-	-	1	0	0.0012	0.0012	-	-	-	<0.0012				
Carbon disulphide	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	<0.0013				
Dichloromethane	mg/l	<0.0037	-	-	1	0	0.0037	0.0037	-	-	-	<0.0037				
Methyl tertiary butyl ether (MTBE)	mg/l	<0.0016	-	-	1	0	0.0016	0.0016	-	-	-	<0.0016				
trans-1,2-Dichloroethene	mg/l	<0.0019	0.05	WHO Health	1	0	0.0019	0.0019	-	-	0	<0.0019				
1,1-Dichloroethane	mg/l	<0.0012	-	-	1	0	0.0012	0.0012	-	-	-	<0.0012				
cis-1,2-Dichloroethene	mg/l	<0.0023	0.05	WHO Health	1	0	0.0023	0.0023	-	-	0	<0.0023				
2,2-Dichloropropane	mg/l	<0.0038	-	-	1	0	0.0038	0.0038	-	-	-	<0.0038				
Bromochloromethane	mg/l	<0.0019	-	-	1	0	0.0019	0.0019	-	-	-	<0.0019				
Chloroform	mg/l	<0.0018	-	-	1	0	0.0018	0.0018	-	-	-	<0.0018				
1,1,1-Trichloroethane	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	<0.0013				
1,1-Dichloropropene	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	<0.0013				
Carbontetrachloride	mg/l	<0.0014	-	-	1	0	0.0014	0.0014	-	-	-	<0.0014				
1,2-Dichloroethane	mg/l	<0.0033	-	-	1	0	0.0033	0.0033	-	-	-	<0.0033				
Benzene	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	<0.0013				
Trichloroethene	mg/l	<0.0025	0.01	EQS	1	0	0.0025	0.0025	-	-	0	<0.0025				
1,2-Dichloropropane	mg/l	<0.003	-	-	1	0	0.003	0.003	-	-	-	<0.003				
Dibromomethane	mg/l	<0.0027	-	-	1	0	0.0027	0.0027	-	-	-	<0.0027				
Bromodichloromethane	mg/l	<0.0009	-	-	1	0	0.0009	0.0009	-	-	-	<0.0009				
cis-1,3-Dichloropropene	mg/l	<0.0019	-	-	1	0	0.0019	0.0019	-	-	-	<0.0019				
Toluene	mg/l	<0.0014	-	-	1	0	0.0014	0.0014	-	-	-	<0.0014				
trans-1,3-Dichloropropene	mg/l	<0.0035	-	-	1	0	0.0035	0.0035	-	-	-	<0.0035				
1,1,2-Trichloroethane	mg/l	<0.0022	-	-	1	0	0.0022	0.0022	-	-	-	<0.0022				
1,3-Dichloropropane	mg/l	<0.0022	-	-	1	0	0.0022	0.0022	-	-	-	<0.0022				
Tetrachloroethene	mg/l	<0.0015	-	-	1	0	0.0015	0.0015	-	-	-	<0.0015				
Dibromochloromethane	mg/l	<0.0017	-	-	1	0	0.0017	0.0017	-	-	-	<0.0017				
1,2-Dibromoethane	mg/l	<0.0023	-	-	1	0	0.0023	0.0023	-	-	-	<0.0023				
Chlorobenzene	mg/l	<0.0035	-	-	1	0	0.0035	0.0035	-	-	-	<0.0035				
1,1,1,2-Tetrachloroethane	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	<0.0013				
Ethylbenzene	mg/l	<0.0025	-	-	1	0	0.0025	0.0025	-	-	-	<0.0025				
m,p-Xylene	mg/l	<0.0025	-	-	1	0	0.0025	0.0025	-	-	-	<0.0025				
o-Xylene	mg/l	<0.0017	-	-	1	0	0.0017	0.0017	-	-	-	<0.0017				
Styrene	mg/l	<0.0012	-	-	1	0	0.0012	0.0012	-	-	-	<0.0012				
Bromoform	mg/l	<0.003	-	-	1	0	0.003	0.003	-	-	-	<0.003				
Isopropylbenzene	mg/l	<0.0014	-	-	1	0	0.0014	0.0014	-	-	-	<0.0014				
1,1,2,2-Tetrachloroethane	mg/l	<0.0052	-	-	1	0	0.0052	0.0052	-	-	-	<0.0052				
1,2,3-Trichloropropane	mg/l	<0.0078	-	-	1	0	0.0078	0.0078	-	-	-	<0.0078				
Bromobenzene	mg/l	<0.002	-	-	1	0	0.002	0.002	-	-	-	<0.002				
Propylbenzene	mg/l	<0.0026	-	-	1	0	0.0026	0.0026	-	-	-	<0.0026				
2-Chlorotoluene	mg/l	<0.0019	-	-	1	0	0.0019	0.0019	-	-	-	<0.0019				
1,3,5-Trimethylbenzene	mg/l	<0.0018	-	-	1	0	0.0018	0.0018	-	-	-	<0.0018				
4-Chlorotoluene	mg/l	<0.0019	-	-	1	0	0.0019	0.0019	-	-	-	<0.0019				
tert-Butylbenzene	mg/l	<0.002	-	-	1	0	0.002	0.002	-	-	-	<0.002				
1,2,4-Trimethylbenzene	mg/l	<0.0017	-	-	1	0	0.0017	0.0017	-	-	-	<0.0017				
sec-Butylbenzene	mg/l	<0.0017	-	-	1	0	0.0017	0.0017	-	-	-	<0.0017				
4-iso-Propyltoluene	mg/l	<0.0026	-	-	1	0	0.0026	0.0026	-	-	-	<0.0026				
1,3-Dichlorobenzene	mg/l	<0.0022	-	-	1	0	0.0022	0.0022	-	-	-	<0.0022				
1,4-Dichlorobenzene	mg/l	<0.0027	-	-	1	0	0.0027	0.0027	-	-	-	<0.0027				
n-Butylbenzene	mg/l	<0.002	-	-	1	0	0.002	0.002	-	-	-	<0.002				
1,2-Dichlorobenzene	mg/l	<0.0037	-	-	1	0	0.0037	0.0037	-	-	-	<0.0037				
1,2-Dibromo-3-chloropropane	mg/l	<0.0098	-	-	1	0	0.0098	0.0098	-	-	-	<0.0098				
1,2,4-Trichlorobenzene	mg/l	<0.0023	-	-	1	0	0.0023	0.0023	-	-	-	<0.0023				
Hexachlorobutadiene	mg/l	<0.0025	-	-	1	0	0.0025	0.0025	-	-	-	<0.0025				
tert-Amyl methyl ether (TAME)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	<0.001				
Naphthalene	mg/l	<0.0035	-	-	1	0	0.0035	0.0035	-	-	-	<0.0035				
1,2,3-Trichlorobenzene	mg/l	<0.0031	-	-	1	0	0.0031	0.0031	-	-	-	<0.0031				
1,3,5-Trichlorobenzene	mg/l	<0.01	-	-	1	0	0.01	0.01	-	-	-	<0.01				

Data Summary Statistics

Site:	DSDC Bicester - Site E	**Project No:**	26999
Data Description:	Groundwater and Surface water	**SOM (%):**	na
Land Use:	MOD Storage and Distribution	**Completed By:**	MIFFL
Receptor:	Controlled Waters	**Checked By:**	

Assessment Criteria Key
x) Laboratory limit of detection
DWS = Drinking Water Standard
EQS = Env. Quality Standard

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics: Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	Sample Identifiers and Analytical Data: WSE24 GW 13/08/2010 1953188	WSE 25 GW 04/08/2010 1925602	WSE 26 GW 04/08/2010 1925110	WSE 26 GW 18/08/2010 1984905
Inorganics					0	0	0	0	-	-	0				
Alkalinity, Total as CaCO3	mg/l	<2	-	-	0	0	0	0	-	-	-	-	-	-	-
Ammoniacal Nitrogen as NH4	mg/l	<0.3	0.5	DWS	4	4	0.867	2.15	1.316	0.58902009	4	1.31	2.15	0.867	0.937
Conductivity @ 20 deg.C	mS/cm	<0.014	-	-	1	1	3	3	3	-	-	3	-	-	-
Sulphate	mg/l	<3	400	EQS	4	4	1710	2400	2125	294.4486373	4	1710	2400	2160	2230
Chloride	mg/l	<2	250	EQS	4	4	53.9	64.9	60.675	4.730310067	0	53.9	64.9	62.2	61.7
pH	pH Units	<1	-	-	4	4	7.37	8.31	7.8	0.393446311	-	7.37	8.31	7.67	7.85
Filtered (Dissolved) Metals					0	0	0	0	-	-	0				
Arsenic (diss.filt)	mg/l	<0.00012	0.05	EQS	4	4	0.000343	0.000953	0.00063	0.000267534	0	0.000953	0.000343	0.000495	0.000729
Boron (diss.filt)	mg/l	<0.0094	2	EQS	4	4	1.22	3.91	2.81	1.218222749	3	1.22	3.6	2.51	3.91
Cadmium (diss.filt)	mg/l	<0.0001	0.05	EQS	4	1	0.0001	0.000116	0.000104	-	0	<0.0001	<0.0001	<0.0001	0.000116
Chromium (diss.filt)	mg/l	<0.00022	0.02	EQS	4	4	0.0108	0.0127	0.0121	0.000875595	0	0.0124	0.0127	0.0108	0.0125
Copper (diss.filt)	mg/l	<0.00085	0.01	EQS	4	4	0.00438	0.00732	0.005815	0.001234463	0	0.00732	0.00438	0.00543	0.00613
Lead (diss.filt)	mg/l	<0.00002	0.02	EQS	4	4	0.000051	0.000156	0.00008	5.08134E-05	0	0.00006	0.000053	0.000051	0.000156
Nickel (diss.filt)	mg/l	<0.00015	0.15	EQS	4	4	0.00819	0.0266	0.0181475	0.008087626	0	0.0266	0.0224	0.00819	0.0154
Selenium (diss.filt)	mg/l	<0.00039	0.01	DWS	4	4	0.000823	0.00163	0.00118075	0.000340806	0	0.000823	0.00122	0.00105	0.00163
Zinc (diss.filt)	mg/l	<0.00041	0.075	EQS	4	4	0.00546	0.0328	0.01351	0.012987073	0	0.00961	0.0328	0.00617	0.00546
Mercury (diss.filt)	mg/l	<0.00001	0.001	EQS	4	0	0.00001	0.00001	-	-	0	<0.00001	<0.00001	<0.00001	<0.00001
Gasoline Range Organics (GF					0	0	0	0	-	-	0				
Aliphatics >C5-C6	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	<0.01	-	<0.01	-
Aliphatics >C6-C8	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	<0.01	-	<0.01	-
Aliphatics >C8-C10	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	<0.01	-	<0.01	-
Aliphatics >C10-C12	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	<0.01	-	<0.01	-
Total Aliphatics >C5-C12	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	<0.01	-	<0.01	-
Aromatics >C6-C7	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	<0.01	-	<0.01	-
Aromatics >C7-C8	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	<0.01	-	<0.01	-
Aromatics >EC8-EC10	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	<0.01	-	<0.01	-
Aromatics >EC10-EC12	mg/l	<0.01	-		2	0	0.01	0.01	-	-	0	<0.01	-	<0.01	-
Total Aromatics >C6-C12	mg/l	<0.01	-	-	2	0	0.01	0.01	-	-	-	<0.01	-	<0.01	-
GRO Surrogate % recovery**	%		-	-	2	2	96	98	97	1.414213562	-	96	-	98	-
Benzene	mg/l	<0.007	0.3	EQS	2	0	0.007	0.007	-	-	0	<0.007	-	<0.007	-
Toluene	mg/l	<0.004	0.05	EQS	2	0	0.004	0.004	-	-	0	<0.004	-	<0.004	-
Ethylbenzene	mg/l	<0.005	0.3	WHO Health	2	0	0.005	0.005	-	-	0	<0.005	-	<0.005	-
m,p-Xylene	mg/l	<0.008	-	x	2	0	0.008	0.008	-	-	0	<0.008	-	<0.008	-
o-Xylene	mg/l	<0.003	-	x	2	0	0.003	0.003	-	-	0	<0.003	-	<0.003	-
m,p,o-Xylene	mg/l	<0.01	0.03	EQS	2	0	0.01	0.01	-	-	0	<0.01	-	<0.01	-
BTEX, Total	mg/l	<0.01	-	-	2	0	0.01	0.01	-	-	-	<0.01	-	<0.01	-
Methyl tertiary butyl ether (MTBE)	mg/l	<0.003	-	-	2	0	0.003	0.003	-	-	-	<0.003	-	<0.003	-
GRO >C5-C6	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-	-
GRO >C6-C7	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-	-
GRO >C7-C8	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-	-
GRO >C8-C10	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-	-
GRO >C5-C12	mg/l	<0.05	-		2	0	0.05	0.05	-	-	0	<0.05	-	<0.05	-
GRO >C10-C12	mg/l	<0.01	-		0	0	0	0	-	-	0	-	-	-	-
Extractable Petroleum Hydroc					0	0	0	0	-	-	0				
EPH Range >C10 - C40 (aq)	mg/l	<0.046	-	-	1	1	0.0731	0.0731	0.0731	-	-	-	-	-	0.0731
EPH Band >C10-C12 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	-	-	-	-	<0.01
EPH Band >C12-C16 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	-	-	-	-	<0.01
EPH Band >C16-C21 (aq)	mg/l	<0.01	-		1	1	0.0529	0.0529	0.0529	-	-	-	-	-	0.0529
EPH Band >C21-C28 (aq)	mg/l	<0.01	-		1	1	0.0147	0.0147	0.0147	-	-	-	-	-	0.0147
EPH Band >C35-C40 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	-	-	-	-	<0.01
EPH Band >C28-C35 (aq)	mg/l	<0.01	-		1	0	0.01	0.01	-	-	-	-	-	-	<0.01
Speciated EPH CWG					0	0	0	0	-	-	0				
Aliphatics >C12-C16 (aq)	mg/l	<0.01	-		2	0	0.01	0.01	-	-	-	<0.01	-	<0.01	-
Aliphatics >C16-C21 (aq)	mg/l	<0.01	-		2	2	0.053	0.059	0.056	0.004242641	-	0.053	-	0.059	-
Aliphatics >C21-C35 (aq)	mg/l	<0.01	-		2	2	0.012	0.017	0.0145	0.003535534	-	0.017	-	0.012	-
Total Aliphatics >C12-C35 (aq)	mg/l	<0.01	-		2	2	0.07	0.071	0.0705	0.000707107	0	0.07	-	0.071	-
Aromatics >EC12-EC16 (aq)	mg/l	<0.01	-		2	0	0.01	0.01	-	-	-	<0.01	-	<0.01	-
Aromatics >EC16-EC21 (aq)	mg/l	<0.01	-		2	0	0.01	0.01	-	-	-	<0.01	-	<0.01	-
Aromatics >EC21-EC35 (aq)	mg/l	<0.01	-		2	0	0.01	0.01	-	-	-	<0.01	-	<0.01	-
Total Aromatics >EC12-EC35 (aq)	mg/l	<0.01	-	-	2	0	0.01	0.01	-	-	0	<0.01	-	<0.01	-
Total Aliphatics & Aromatics >C12-C35 (Aqueo	mg/l	<0.01	-	-	2	2	0.07	0.071	0.0705	0.000707107	-	0.07	-	0.071	-
TPH Criteria Working Group (					0	0	0	0	-	-	0				
Total Aliphatics & Aromatics >C5-35 (aq)	mg/l	<0.01	-	-	2	2	0.07	0.071	0.0705	0.000707107	-	0.07	-	0.071	-
Total Aliphatics >C5-C35 (aq)	mg/l	<0.01	-	-	2	2	0.07	0.071	0.0705	0.000707107	-	0.07	-	0.071	-
Total Aromatics >C6-C35 (aq)	mg/l	<0.01	-	-	2	0	0.01	0.01	-	-	-	<0.01	-	<0.01	-

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data			
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	WSE24 GW 13/08/2010 1953188	WSE 25 GW 04/08/2010 1925602	WSE 26 GW 04/08/2010 1925110	WSE 26 GW 18/08/2010 1984905
Polyaromatic Hydrocarbons (					0	0	0	0	-	-	0				
Naphthalene (aq)	mg/l	<0.0001	0.01	EQS	2	0	0.0001	0.0001	-	-	0	-	-	<0.0001	<0.0001
Acenaphthene (aq)	mg/l	<0.000015	0.0001	DWS	2	0	0.000015	0.000015	-	-	0	-	-	<0.000015	<0.000015
Acenaphthylene (aq)	mg/l	<0.000011	0.0001	DWS	2	0	0.000011	0.000011	-	-	0	-	-	<0.000011	<0.000011
Fluoranthene (aq)	mg/l	<0.000014	0.0001	DWS	2	2	0.000037	0.000068	0.0000525	2.19203E-05	0	-	-	0.000068	0.000037
Anthracene (aq)	mg/l	<0.000015	0.0001	DWS	2	0	0.000015	0.000015	-	-	0	-	-	<0.000015	<0.000015
Phenanthrene (aq)	mg/l	<0.000022	0.0001	DWS	2	1	0.000022	0.000036	0.000029	-	0	-	-	0.000036	<0.000022
Fluorene (aq)	mg/l	<0.000014	0.0001	DWS	2	0	0.000014	0.000014	-	-	0	-	-	<0.000014	<0.000014
Chrysene (aq)	mg/l	<0.000013	0.0001	DWS	2	2	0.000034	0.000075	0.0000545	2.89914E-05	0	-	-	0.000075	0.000034
Pyrene (aq)	mg/l	<0.000015	0.0001	DWS	2	2	0.000052	0.000079	0.0000655	1.90919E-05	0	-	-	0.000079	0.000052
Benzo(a)anthracene (aq)	mg/l	<0.000017	0.0001	DWS	2	2	0.000042	0.000043	0.0000425	7.07107E-07	0	-	-	0.000043	0.000042
Benzo(b)fluoranthene (aq)	mg/l	<0.000023	0.0001	DWS	2	2	0.000069	0.000071	0.00007	1.41421E-06	0	-	-	0.000069	0.000071
Benzo(k)fluoranthene (aq)	mg/l	<0.000027	0.0001	DWS	2	2	0.000058	0.000061	0.0000595	2.12132E-06	0	-	-	0.000058	0.000061
Benzo(a)pyrene (aq)	mg/l	<0.000009	0.00001	DWS	2	2	0.000075	0.00008	0.0000775	3.53553E-06	2	-	-	0.00008	0.000075
Dibenzo(a,h)anthracene (aq)	mg/l	<0.000016	0.0001	DWS	2	1	0.000016	0.000027	0.0000215	-	0	-	-	<0.000016	0.000027
Benzo(g,h,i)perylene (aq)	mg/l	<0.000016	0.0001	DWS	2	2	0.000053	0.00007	0.0000615	1.20208E-05	0	-	-	0.00007	0.000053
Indeno(1,2,3-cd)pyrene (aq)	mg/l	<0.000014	0.0001	DWS	2	2	0.000049	0.000049	0.000049	0	0	-	-	0.000049	0.000049
Polyaromatic hydrocarbons, Total USEPA 16 (a	mg/l	<0.0001	-	-	2	2	0.000444	0.000577	0.0005105	9.40452E-05	-	-	-	0.000577	0.000444
Naphthalene-d8	%		-	-	2	2	100	100	100	0	-	-	-	100	100
Acenaphthene-d10	%		-	-	2	2	100	100	100	0	-	-	-	100	100
Phenanthrene-d10	%		-	-	2	2	100	100	100	0	-	-	-	100	100
Chrysene-d12	%		-	-	2	2	100	100	100	0	-	-	-	100	100
Perylene-d12	%		-	-	2	2	100	100	100	0	-	-	-	100	100
Semi-Volatile Organic Compo					0	0	0	0	-	-	0				
1,2,4-Trichlorobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
1,2-Dichlorobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
1,3-Dichlorobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
1,4-Dichlorobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
2,4,5-Trichlorophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
2,4,6-Trichlorophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
2,4-Dichlorophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
2,4-Dimethylphenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
2,4-Dinitrotoluene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
2,6-Dinitrotoluene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
2-Chloronaphthalene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
2-Chlorophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
2-Methylnaphthalene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
2-Methylphenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
2-Nitroaniline (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
2-Nitrophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
3-Nitroaniline (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
4-Bromophenylphenylether (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
4-Chloro-3-methylphenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
4-Chloroaniline (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
4-Chlorophenylphenylether (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
4-Methylphenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
4-Nitrophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
4-Nitroaniline (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
Azobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
Acenaphthylene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-
Acenaphthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-
Anthracene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
bis(2-Chloroethoxy)methane (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
bis(2-Ethylhexyl) phthalate (aq)	mg/l	<0.002	-	-	1	0	0.002	0.002	-	-	-	-	-	<0.002	-
Benzo(a)anthracene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-
Butylbenzyl phthalate (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
Benzo(b)fluoranthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-
Benzo(k)fluoranthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-
Benzo(a)pyrene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-
Benzo(g,h,i)perylene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-
Carbazole (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
Chrysene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-
Dibenzofuran (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
n-Dibutyl phthalate (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
Diethyl phthalate (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
Dibenzo(a,h)anthracene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-
Dimethyl phthalate (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
n-Dioctyl phthalate (aq)	mg/l	<0.005	-	-	1	0	0.005	0.005	-	-	-	-	-	<0.005	-
Fluoranthene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data			
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	WSE24 GW 13/08/2010 1953188	WSE 25 GW 04/08/2010 1925602	WSE 26 GW 04/08/2010 1925110	WSE 26 GW 18/08/2010 1984905
Fluorene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-
Hexachlorobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
Hexachlorobutadiene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
Pentachlorophenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
Phenol (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
n-Nitroso-n-dipropylamine (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
Hexachloroethane (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
Nitrobenzene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
Naphthalene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-
Isophorone (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
Hexachlorocyclopentadiene (aq)	mg/l	<0.001	-	-	1	0	0.002	0.002	-	-	-	-	-	<0.002	-
Phenanthrene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene (aq)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
Pyrene (aq)	mg/l	<0.001	-	-	0	0	0	0	-	-	-	-	-	-	-
Volatile Organic Compounds					0	0	0	0	-	-	0				
Dibromofluoromethane**	%		-	-	1	1	95.6	95.6	95.6	-	-	-	-	95.6	-
Toluene-d8**	%		-	-	1	1	97.1	97.1	97.1	-	-	-	-	97.1	-
4-Bromofluorobenzene**	%		-	-	1	1	95.9	95.9	95.9	-	-	-	-	95.9	-
Dichlorodifluoromethane	mg/l	<0.007	-	-	1	0	0.007	0.007	-	-	-	-	-	<0.007	-
Chloromethane	mg/l	<0.009	-	-	1	0	0.009	0.009	-	-	-	-	-	<0.009	-
Vinyl chloride	mg/l	<0.0012	0.0005	DWS	1	0	0.0012	0.0012	-	-	1	-	-	<0.0012	-
Bromomethane	mg/l	<0.002	-	-	1	0	0.002	0.002	-	-	-	-	-	<0.002	-
Chloroethane	mg/l	<0.0025	-	-	1	0	0.0025	0.0025	-	-	-	-	-	<0.0025	-
Trichlorofluoromethane	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	-	-	<0.0013	-
1,1-Dichloroethene	mg/l	<0.0012	-	-	1	0	0.0012	0.0012	-	-	-	-	-	<0.0012	-
Carbon disulphide	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	-	-	<0.0013	-
Dichloromethane	mg/l	<0.0037	-	-	1	0	0.0037	0.0037	-	-	-	-	-	<0.0037	-
Methyl tertiary butyl ether (MTBE)	mg/l	<0.0016	-	-	1	0	0.0016	0.0016	-	-	-	-	-	<0.0016	-
trans-1,2-Dichloroethene	mg/l	<0.0019	0.05	WHO Health	1	0	0.0019	0.0019	-	-	0	-	-	<0.0019	-
1,1-Dichloroethane	mg/l	<0.0012	-	-	1	0	0.0012	0.0012	-	-	-	-	-	<0.0012	-
cis-1,2-Dichloroethene	mg/l	<0.0023	0.05	WHO Health	1	0	0.0023	0.0023	-	-	0	-	-	<0.0023	-
2,2-Dichloropropane	mg/l	<0.0038	-	-	1	0	0.0038	0.0038	-	-	-	-	-	<0.0038	-
Bromochloromethane	mg/l	<0.0019	-	-	1	0	0.0019	0.0019	-	-	-	-	-	<0.0019	-
Chloroform	mg/l	<0.0018	-	-	1	0	0.0018	0.0018	-	-	-	-	-	<0.0018	-
1,1,1-Trichloroethane	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	-	-	<0.0013	-
1,1-Dichloropropene	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	-	-	<0.0013	-
Carbontetrachloride	mg/l	<0.0014	-	-	1	0	0.0014	0.0014	-	-	-	-	-	<0.0014	-
1,2-Dichloroethane	mg/l	<0.0033	-	-	1	0	0.0033	0.0033	-	-	-	-	-	<0.0033	-
Benzene	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	-	-	<0.0013	-
Trichloroethene	mg/l	<0.0025	0.01	EQS	1	0	0.0025	0.0025	-	-	0	-	-	<0.0025	-
1,2-Dichloropropane	mg/l	<0.003	-	-	1	0	0.003	0.003	-	-	-	-	-	<0.003	-
Dibromomethane	mg/l	<0.0027	-	-	1	0	0.0027	0.0027	-	-	-	-	-	<0.0027	-
Bromodichloromethane	mg/l	<0.0009	-	-	1	0	0.0009	0.0009	-	-	-	-	-	<0.0009	-
cis-1,3-Dichloropropene	mg/l	<0.0019	-	-	1	0	0.0019	0.0019	-	-	-	-	-	<0.0019	-
Toluene	mg/l	<0.0014	-	-	1	0	0.0014	0.0014	-	-	-	-	-	<0.0014	-
trans-1,3-Dichloropropene	mg/l	<0.0035	-	-	1	0	0.0035	0.0035	-	-	-	-	-	<0.0035	-
1,1,2-Trichloroethane	mg/l	<0.0022	-	-	1	0	0.0022	0.0022	-	-	-	-	-	<0.0022	-
1,3-Dichloropropane	mg/l	<0.0022	-	-	1	0	0.0022	0.0022	-	-	-	-	-	<0.0022	-
Tetrachloroethene	mg/l	<0.0015	-	-	1	0	0.0015	0.0015	-	-	-	-	-	<0.0015	-
Dibromochloromethane	mg/l	<0.0017	-	-	1	0	0.0017	0.0017	-	-	-	-	-	<0.0017	-
1,2-Dibromoethane	mg/l	<0.0023	-	-	1	0	0.0023	0.0023	-	-	-	-	-	<0.0023	-
Chlorobenzene	mg/l	<0.0035	-	-	1	0	0.0035	0.0035	-	-	-	-	-	<0.0035	-
1,1,1,2-Tetrachloroethane	mg/l	<0.0013	-	-	1	0	0.0013	0.0013	-	-	-	-	-	<0.0013	-
Ethylbenzene	mg/l	<0.0025	-	-	1	0	0.0025	0.0025	-	-	-	-	-	<0.0025	-
m,p-Xylene	mg/l	<0.0025	-	-	1	0	0.0025	0.0025	-	-	-	-	-	<0.0025	-
o-Xylene	mg/l	<0.0017	-	-	1	0	0.0017	0.0017	-	-	-	-	-	<0.0017	-
Styrene	mg/l	<0.0012	-	-	1	0	0.0012	0.0012	-	-	-	-	-	<0.0012	-
Bromoform	mg/l	<0.003	-	-	1	0	0.003	0.003	-	-	-	-	-	<0.003	-
Isopropylbenzene	mg/l	<0.0014	-	-	1	0	0.0014	0.0014	-	-	-	-	-	<0.0014	-
1,1,2,2-Tetrachloroethane	mg/l	<0.0052	-	-	1	0	0.0052	0.0052	-	-	-	-	-	<0.0052	-
1,2,3-Trichloropropane	mg/l	<0.0078	-	-	1	0	0.0078	0.0078	-	-	-	-	-	<0.0078	-
Bromobenzene	mg/l	<0.002	-	-	1	0	0.002	0.002	-	-	-	-	-	<0.002	-
Propylbenzene	mg/l	<0.0026	-	-	1	0	0.0026	0.0026	-	-	-	-	-	<0.0026	-
2-Chlorotoluene	mg/l	<0.0019	-	-	1	0	0.0019	0.0019	-	-	-	-	-	<0.0019	-
1,3,5-Trimethylbenzene	mg/l	<0.0018	-	-	1	0	0.0018	0.0018	-	-	-	-	-	<0.0018	-
4-Chlorotoluene	mg/l	<0.0019	-	-	1	0	0.0019	0.0019	-	-	-	-	-	<0.0019	-
tert-Butylbenzene	mg/l	<0.002	-	-	1	0	0.002	0.002	-	-	-	-	-	<0.002	-
1,2,4-Trimethylbenzene	mg/l	<0.0017	-	-	1	0	0.0017	0.0017	-	-	-	-	-	<0.0017	-
sec-Butylbenzene	mg/l	<0.0017	-	-	1	0	0.0017	0.0017	-	-	-	-	-	<0.0017	-
4-iso-Propyltoluene	mg/l	<0.0026	-	-	1	0	0.0026	0.0026	-	-	-	-	-	<0.0026	-
1,3-Dichlorobenzene	mg/l	<0.0022	-	-	1	0	0.0022	0.0022	-	-	-	-	-	<0.0022	-
1,4-Dichlorobenzene	mg/l	<0.0027	-	-	1	0	0.0027	0.0027	-	-	-	-	-	<0.0027	-
n-Butylbenzene	mg/l	<0.002	-	-	1	0	0.002	0.002	-	-	-	-	-	<0.002	-
1,2-Dichlorobenzene	mg/l	<0.0037	-	-	1	0	0.0037	0.0037	-	-	-	-	-	<0.0037	-
1,2-Dibromo-3-chloropropane	mg/l	<0.0098	-	-	1	0	0.0098	0.0098	-	-	-	-	-	<0.0098	-
1,2,4-Trichlorobenzene	mg/l	<0.0023	-	-	1	0	0.0023	0.0023	-	-	-	-	-	<0.0023	-
Hexachlorobutadiene	mg/l	<0.0025	-	-	1	0	0.0025	0.0025	-	-	-	-	-	<0.0025	-
tert-Amyl methyl ether (TAME)	mg/l	<0.001	-	-	1	0	0.001	0.001	-	-	-	-	-	<0.001	-
Naphthalene	mg/l	<0.0035	-	-	1	0	0.0035	0.0035	-	-	-	-	-	<0.0035	-
1,2,3-Trichlorobenzene	mg/l	<0.0031	-	-	1	0	0.0031	0.0031	-	-	-	-	-	<0.0031	-
1,3,5-Trichlorobenzene	mg/l	<0.01	-	-	1	0	0.01	0.01	-	-	-	-	-	<0.01	-

Data Summary Statistics

Site:	DSDC Bicester Site E	**Project No:**	26999
Data Description:	Zone 1	**SOM (%):**	3.0%
Land Use:	Residential With Plant Uptake	**Completed By:**	RIDEJ
Receptor:	Human Health	**Checked By:**	

Assessment Criteria Key

a) 2009 SGV (Res with Plant)
b) 2009 SGV (Allotment)
c) 2009 SGV (Commercial/Industrial)
d) EIC GAC (Res with Plant)
e) EIC GAC (Res without Plant)
f) EIC GAC (Allotment)
g) EIC GAC (Commercial/Ind)
h) Entec GAC (Res with Plant)
i) Entec GAC (Res without Plant)
j) Entec GAC (Allotment)
k) Entec GAC (Commercial/Ind)
l) LQM CIEH GAC (Res with Plant)
m) LQM CIEH GAC (Res without Plant)
n) LQM CIEH GAC (Commercial/Ind)
o) Dutch Intervention values
p) Dutch Target Values
q) Soil Code: Crops for Consumption
r) Soil Code: Sensitive Species
s) Soil Code: Grazing Animals
t) Soil Code: Background
u) BRE Special Digest
v) Other Generic Criteria
w) Site Specific Assessment Criteria
x) Laboratory limit of detection
y) CLR SGV for Lead (2002)

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data				
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	WSE15	WSE16	WSE27	BHE01	BHE02
												OSU	OSU	OSU	OSU	OSU
												0.3-0.4	0.5-0.6	0.5-0.6	0.1-0.3	0.2-0.4
												MG	MG	MG	MG	MG
Inorganics					0	0	0	0	-	-	0					
Soil Organic Matter (SOM)	%	<0.35 %	0.35		2	2	1.68	2.31	1.995	0.445477272	2			2.31	1.68	
pH	pH Units	1 pH unit			5	5	7.45	8.36	8.064	0.367600326	0	8.36	8.03	8.32	8.16	7.45
Sulphate, 2:1 water soluble	g/l	<0.003 g/l	0.003	x	5	4	0.003	1.26	0.28008	0.54859802	4	0.008	0.0677	<0.003	0.0617	1.26
Ammoniacal Nitrogen, exchangeable as NH4	mg/kg	<15 mg/kg	15	x	5	0	15	15	-	-	0	<15	<15	<15	<15	<15
Boron, water soluble	mg/kg	<1 mg/kg	290	l	5	5	1.4	4.73	2.394	1.338144237	0	2.12	1.67	2.05	1.4	4.73
Arsenic	mg/kg	<0.6 mg/kg	32	a	5	5	7.38	9.88	8.478	0.950273645	0	7.98	8.28	8.87	9.88	7.38
Chromium, Hexavalent	mg/kg	<0.6 mg/kg	4.3	l	5	0	0.6	1.2	-	-	0	<0.6	<1.2	<0.6	<0.6	<0.6
Cadmium	mg/kg	<0.02 mg/kg	10	a	5	5	0.107	0.212	0.1586	0.045959765	0	0.125	0.212	0.2	0.107	0.149
Chromium	mg/kg	<0.9 mg/kg	3000	l	5	5	41.4	55.5	46.16	5.422914346	0	41.4	55.5	44.1	45.3	44.5
Copper	mg/kg	<1.4 mg/kg	2300	l	5	5	19	41.4	29.78	8.159166624	0	19	28.4	27.5	41.4	32.6
Lead	mg/kg	<0.7 mg/kg	450	y	5	5	20.3	37.8	28	7.913279977	0	35.1	20.3	37.8	22.3	24.5
Mercury	mg/kg	<0.14 mg/kg	0.51	h	5	0	0.14	0.14	-	-	0	<0.14	<0.14	<0.14	<0.14	<0.14
Nickel	mg/kg	<0.2 mg/kg	130	a	5	5	17	30.9	24.82	5.51606744	0	17	28.9	25.1	22.2	30.9
Selenium	mg/kg	<1 mg/kg	350	a	5	5	1.15	2.38	1.754	0.452802385	0	1.15	1.62	1.67	1.95	2.38
Zinc	mg/kg	<1.9 mg/kg	3800	l	5	5	71.5	117	95.78	16.16777659	0	71.5	96.9	97.9	95.6	117
Asbestos Containing Material Screen					0	0	#VALUE!	#VALUE!	-	-	0			No ACM Detected		
Asbestos, Chrysotile (white)					0	0	0	0	-	-	0					
TPH 6 Split					0	0	0	0	-	-	0					
TPH >C6-C8	mg/kg	<10 mg/kg	190	h	2	0	10	10	-	-	0		<10	<10		
TPH >C8-C10	mg/kg	<10 mg/kg	55	h	2	0	10	10	-	-	0		<10	<10		
TPH >C10-C12	mg/kg	<10 mg/kg	190	h	2	0	10	10	-	-	0		<10	<10		
TPH >C12-C16	mg/kg	<10 mg/kg	360	h	2	0	10	10	-	-	0		<10	<10		
TPH >C16-C21	mg/kg	<10 mg/kg	540	h	2	2	12.4	30	21.2	12.44507935	0		12.4	30		
TPH >C21-C40	mg/kg	<10 mg/kg	1100	h	2	2	136	224	180	62.22539674	0		136	224		
TPH >C6-C40	mg/kg	<10 mg/kg	-		2	2	152	256	204	73.53910524	0		152	256		

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Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics: Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	Sample Identifiers and Analytical Data: WSE15 OSU 1.8-2.0 Nat	BHE01 OSU 1.0-1.3 Nat	BHE01 OSU 3.0-3.2 Nat	BHE02 OSU 1.6-2.0 Nat	WSE17 Rodney House 0.6-0.8 Nat	WSE17 Rodney House 2.4-2.6 Nat
Inorganics					0	0	0	0	-	-	0						
Soil Organic Matter (SOM)	%	<0.35 %	0.35		3	3	0.876	7.86	3.572	3.754319113	3			7.86	1.98	0.876	
pH	pH Units	1 pH unit			6	6	4.51	7.91	6.52	1.36853206	0	4.51	7.91	5.69	7.52	7.64	5.85
Sulphate, 2:1 water soluble	g/l	<0.003 g/l	0.003	x	6	6	0.21	1.6	0.917333333	0.651056884	6	0.307	0.21	1.52	1.39	0.477	1.6
Ammoniacal Nitrogen, exchangeable as NH4	mg/kg	<15 mg/kg	15	x	6	2	15	55.4	23.58333333	16.20696352	2	<15	<15	26.1	<15	55.4	<15
Boron, water soluble	mg/kg	<1 mg/kg	290	l	6	5	1	7.18	3.093333333	2.212750927	0	2.52	3.88	7.18	1.9	<1	2.08
Arsenic	mg/kg	<0.6 mg/kg	32	a	6	6	5.67	7.15	6.316666667	0.562126913	0	5.67	6.45	6.18	6.68	7.15	5.77
Chromium, Hexavalent	mg/kg	<0.6 mg/kg	4.3	l	6	0	0.6	1.2	-	-	0	<1.2	<0.6	<0.6	<0.6	<0.6	<0.6
Cadmium	mg/kg	<0.02 mg/kg	10	a	6	3	0.02	0.551	0.12495	0.211008851	0	<0.02	<0.02	0.551	0.0387	<0.02	0.1
Chromium	mg/kg	<0.9 mg/kg	3000	l	6	6	29.7	59.8	43.81666667	11.28882929	0	42.7	59.8	49.6	48.5	32.6	29.7
Copper	mg/kg	<1.4 mg/kg	2300	l	6	6	11.1	36.9	27.1	8.742310907	0	25.7	36.9	31.4	30.2	11.1	27.3
Lead	mg/kg	<0.7 mg/kg	450	y	6	6	13.5	19.5	16.58333333	2.085585449	0	17.8	19.5	16	17.3	13.5	15.4
Mercury	mg/kg	<0.14 mg/kg	0.51	h	6	0	0.14	0.14	-	-	0	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Nickel	mg/kg	<0.2 mg/kg	130	a	6	6	13.5	107	34.25	35.79881283	0	13.5	19.2	107	23.3	20.9	21.6
Selenium	mg/kg	<1 mg/kg	350	a	6	5	1	2.53	1.651666667	0.543080718	0	1.52	2.53	1.77	1.88	<1	1.21
Zinc	mg/kg	<1.9 mg/kg	3800	l	6	6	37	248	93.13333333	78.22909092	0	37	77.3	248	74.4	81.1	41
Asbestos Containing Material Screen					0	0	0	0	-	-	0						
Asbestos, Chrysotile (white)					0	0	0	0	-	-	0						
TPH 6 Split					0	0	0	0	-	-	0						
TPH >C6-C8	mg/kg	<10 mg/kg	190	h	3	0	10	10	-	-	0	<10				<10	<10
TPH >C8-C10	mg/kg	<10 mg/kg	55	h	3	0	10	10	-	-	0	<10				<10	<10
TPH >C10-C12	mg/kg	<10 mg/kg	190	h	3	0	10	10	-	-	0	<10				<10	<10
TPH >C12-C16	mg/kg	<10 mg/kg	360	h	3	0	10	10	-	-	0	<10				<10	<10
TPH >C16-C21	mg/kg	<10 mg/kg	540	h	3	0	10	10	-	-	0	<10				<10	<10
TPH >C21-C40	mg/kg	<10 mg/kg	1100	h	3	2	10	101	60.13333333	46.20230874	0	<10				69.4	101
TPH >C6-C40	mg/kg	<10 mg/kg	-		3	2	10	106	64.86666667	49.45152509	0	<10				78.6	106
Organics					0	0	0	0	-	-	0						
Naphthalene-d8 % recovery**	%	%	-		1	1	105	105	105	-	0				105		
Acenaphthene-d10 % recovery**	%	%	-		1	1	102	102	102	-	0				102		
Phenanthrene-d10 % recovery**	%	%	-		1	1	101	101	101	-	0				101		
Chrysene-d12 % recovery**	%	%	-		1	1	87.3	87.3	87.3	-	0				87.3		
Perylene-d12 % recovery**	%	%	-		1	1	90	90	90	-	0				90		
Naphthalene	mg/kg	<0.009 mg/kg	4.4	h	1	0	0.009	0.009	-	-	0				<0.009		
Acenaphthylene	mg/kg	<0.012 mg/kg	470	h	1	0	0.012	0.012	-	-	0				<0.012		
Acenaphthene	mg/kg	<0.008 mg/kg	560	h	1	0	0.008	0.008	-	-	0				<0.008		
Fluorene	mg/kg	<0.01 mg/kg	440	h	1	0	0.01	0.01	-	-	0				<0.01		
Phenanthrene	mg/kg	<0.015 mg/kg	230	h	1	0	0.015	0.015	-	-	0				<0.015		
Anthracene	mg/kg	<0.016 mg/kg	5700	h	1	0	0.016	0.016	-	-	0				<0.016		
Fluoranthene	mg/kg	<0.017 mg/kg	510	h	1	0	0.017	0.017	-	-	0				<0.017		
Pyrene	mg/kg	<0.015 mg/kg	1200	h	1	0	0.015	0.015	-	-	0				<0.015		
Benz(a)anthracene	mg/kg	<0.014 mg/kg	5	h	1	1	0.0225	0.0225	0.0225	-	0				0.0225		
Chrysene	mg/kg	<0.01 mg/kg	8.4	h	1	1	0.0222	0.0222	0.0222	-	0				0.0222		
Benzo(b)fluoranthene	mg/kg	<0.015 mg/kg	6.7	h	1	1	0.0204	0.0204	0.0204	-	0				0.0204		
Benzo(k)fluoranthene	mg/kg	<0.014 mg/kg	9.7	h	1	0	0.014	0.014	-	-	0				<0.014		
Benzo(a)pyrene	mg/kg	<0.015 mg/kg	0.96	h	1	0	0.015	0.015	-	-	0				<0.015		
Indeno(1,2,3-cd)pyrene	mg/kg	<0.018 mg/kg	3.9	h	1	0	0.018	0.018	-	-	0				<0.018		
Dibenzo(a,h)anthracene	mg/kg	<0.023 mg/kg	0.87	h	1	0	0.023	0.023	-	-	0				<0.023		
Benzo(g,h,i)perylene	mg/kg	<0.024 mg/kg	46	h	1	0	0.024	0.024	-	-	0				<0.024		
Polyaromatic hydrocarbons, Total USEPA 16	mg/kg	<0.118 mg/kg	0.118	x	1	0	0.118	0.118	-	-	0				<0.118		
TPHCWG					0	0	0	0	-	-	0						
Aliphatics >C5-C6	mg/kg	<0.01 mg/kg	63	h	1	0	0.01	0.01	-	-	0				<0.01		
Aliphatics >C6-C8	mg/kg	<0.01 mg/kg	190	h	1	0	0.01	0.01	-	-	0				<0.01		
Aliphatics >C8-C10	mg/kg	<0.01 mg/kg	55	h	1	0	0.01	0.01	-	-	0				<0.01		
Aliphatics >C10-C12	mg/kg	<0.01 mg/kg	270	h	1	0	0.01	0.01	-	-	0				<0.01		
Total Aliphatics >C5-C12	mg/kg	<0.01 mg/kg	0.01	x	1	0	0.01	0.01	-	-	0				<0.01		
Aromatics >C6-C7	mg/kg	<0.01 mg/kg	150	h	1	0	0.01	0.01	-	-	0				<0.01		
Aromatics >C7-C8	mg/kg	<0.01 mg/kg	230	h	1	0	0.01	0.01	-	-	0				<0.01		
Aromatics >EC8-EC10	mg/kg	<0.01 mg/kg	78	h	1	0	0.01	0.01	-	-	0				<0.01		
Aromatics >EC10-EC12	mg/kg	<0.01 mg/kg	190	h	1	0	0.01	0.01	-	-	0				<0.01		
Total Aromatics >C6-C12	mg/kg	<0.01 mg/kg	0.01	x	1	0	0.01	0.01	-	-	0				<0.01		
GRO Surrogate % recovery**	%	%	-		1	1	103	103	103	-	0				103		
Benzene	mg/kg	<0.01 mg/kg	0.18	h	1	0	0.01	0.01	-	-	0				<0.01		

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data																				
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	WSE15	BHE01	BHE01	BHE02	WSE17	WSE17																
												OSU	OSU	OSU	OSU	odney Hous	odney House														
												1.8-2.0	1.0-1.3	3.0-3.2	1.6-2.0	0.6-0.8	2.4-2.6														
												Nat	Nat	Nat	Nat	Nat	Nat														
Toluene	mg/kg	<0.002 mg/kg	320	h	1	0	0.002	0.002	-	-	0				<0.002																	
Ethylbenzene	mg/kg	<0.003 mg/kg	180	h	1	0	0.003	0.003	-	-	0				<0.003																	
m,p-Xylene	mg/kg	<0.06 mg/kg	120	h	1	0	0.006	0.006	-	-	0				<0.006																	
o-Xylene	mg/kg	<0.003 mg/kg	120	h	1	0	0.003	0.003	-	-	0				<0.003																	
m,p,o-Xylene	mg/kg	<0.01 mg/kg	120	h	1	0	0.01	0.01	-	-	0				<0.01																	
BTEX, Total	mg/kg	<0.01 mg/kg	0.01		1	0	0.01	0.01	-	-	0				<0.01																	
Methyl tertiary butyl ether (MTBE)	mg/kg	<0.005 mg/kg	96	h	1	0	0.005	0.005	-	-	0				<0.005																	
GRO >C5-C12	mg/kg	<0.044 mg/kg	0.044		1	0	0.044	0.044	-	-	0				<0.044																	
Aliphatics >C12-C16	mg/kg	<0.1 mg/kg	2000	h	1	1	5.16	5.16	5.16	-	0				5.16																	
Aliphatics >C16-C21	mg/kg	<0.1 mg/kg	-		1	1	3.41	3.41	3.41	-	0				3.41																	
Aliphatics >C16-C35	mg/kg	<0.1 mg/kg	67000	h	1	1	12.2	12.2	12.2	-	0				12.2																	
Aliphatics >C21-C35	mg/kg	<0.1 mg/kg	-		1	1	8.78	8.78	8.78	-	0				8.78																	
Aliphatics >C35-C44	mg/kg	<0.1 mg/kg	45000	h	1	0	0.1	0.1	-	-	0				<0.1																	
Total Aliphatics >C12-C44	mg/kg	<0.1 mg/kg	-		1	1	17.3	17.3	17.3	-	0				17.3																	
Aromatics >EC12-EC16	mg/kg	<0.1 mg/kg	360	h	1	1	0.599	0.599	0.599	-	0				0.599																	
Aromatics >EC16-EC21	mg/kg	<0.1 mg/kg	540	h	1	1	3.86	3.86	3.86	-	0				3.86																	
Aromatics >EC21-EC35	mg/kg	<0.1 mg/kg	1100	h	1	1	11.9	11.9	11.9	-	0				11.9																	
Aromatics >EC35-EC44	mg/kg	<0.1 mg/kg	1100	h	1	1	6.92	6.92	6.92	-	0				6.92																	
Aromatics >EC40-EC44	mg/kg	<0.1 mg/kg	-		1	1	1.85	1.85	1.85	-	0				1.85																	
Total Aromatics >EC12-EC44	mg/kg	<0.1 mg/kg	-		1	1	23.3	23.3	23.3	-	0				23.3																	
Total Aliphatics >C5-C44	mg/kg	<0.1 mg/kg	-		1	1	17.3	17.3	17.3	-	0				17.3																	
Total Aromatics >C6-C44	mg/kg	<0.1 mg/kg	-		1	1	23.3	23.3	23.3	-	0				23.3																	
Total Aliphatics & Aromatics >C5-C44	mg/kg	<0.1 mg/kg	-		1	1	40.6	40.6	40.6	-	0				40.6																	
Total Aliphatics >C5-35	mg/kg	<0.1 mg/kg	-		1	1	17.3	17.3	17.3	-	0				17.3																	
Total Aromatics >C5-35	mg/kg	<0.1 mg/kg	-		1	1	16.4	16.4	16.4	-	0				16.4																	
Total Aliphatics & Aromatics >C5-35	mg/kg	<0.1 mg/kg	-		1	1	33.7	33.7	33.7	-	0				33.7																	
Other Organics					0	0	0	0	-	-	0																					
PCBs (vs Aroclor 1254)	mg/kg	<0.035 mg/kg	0.035	x	0	0	0	0	-	-	0																					
Phenol	mg/kg	<0.1 mg/kg	320	h	1	0	0.1	0.1	-	-	0				<0.1																	
Pentachlorophenol	mg/kg	<0.1 mg/kg	1.6	h	1	0	0.1	0.1	-	-	0				<0.1																	
n-Nitroso-n-dipropylamine	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1																	
Nitrobenzene	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1																	
Isophorone	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1																	
Hexachloroethane	mg/kg	<0.1 mg/kg	0.57	h	1	0	0.1	0.1	-	-	0				<0.1																	
Hexachlorocyclopentadiene	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1																	
Hexachlorobutadiene	mg/kg	<0.1 mg/kg	0.61	h	1	0	0.1	0.1	-	-	0				<0.1																	
Hexachlorobenzene	mg/kg	<0.1 mg/kg	1.1	h	1	0	0.1	0.1	-	-	0				<0.1																	
n-Dioctyl phthalate	mg/kg	<0.1 mg/kg	2900	h	1	0	0.1	0.1	-	-	0				<0.1																	
Dimethyl phthalate	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1																	
Diethyl phthalate	mg/kg	<0.1 mg/kg	300	h	1	0	0.1	0.1	-	-	0				<0.1																	
n-Dibutyl phthalate	mg/kg	<0.1 mg/kg	36	h	1	0	0.1	0.1	-	-	0				<0.1																	
Dibenzofuran	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1																	
Carbazole	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1																	
Butylbenzyl phthalate	mg/kg	<0.1 mg/kg	4000	h	1	0	0.1	0.1	-	-	0				<0.1																	
bis(2-Ethylhexyl) phthalate	mg/kg	<0.1 mg/kg	710	h	1	0	0.1	0.1	-	-	0				<0.1																	
bis(2-Chloroethoxy)methane	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1																	
bis(2-Chloroethyl)ether	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1																	
Azobenzene	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1																	
4-Nitrophenol	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1																	
4-Nitroaniline	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1																	
4-Methylphenol	mg/kg	<0.1 mg/kg	210	h	1	0	0.1	0.1	-	-	0				<0.1																	
4-Chlorophenylphenylether	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1																	
4-Chloroaniline	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1																	
4-Chloro-3-methylphenol	mg/kg	<0.1 mg/kg	2.3	h	1	0	0.1	0.1	-	-	0				<0.1																	
4-Bromophenylphenylether	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1																	
3-Nitroaniline	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1																	
2-Nitrophenol	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1																	
2-Nitroaniline	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1																	
2-Methylphenol	mg/kg	<0.1 mg/kg	210	h	1	0	0.1	0.1	-	-	0				<0.1																	
1,2,4-Trichlorobenzene	mg/kg	<0.1 mg/kg	5.4	h	1	0	0.1	0.1	-	-	0				<0.1																	
2-Chlorophenol	mg/kg	<0.1 mg/kg	2.3	h	1	0	0.1	0.1	-	-	0				<0.1																	
2,6-Dinitrotoluene	mg/kg	<0.1 mg/kg	2.1	h	1	0	0.1	0.1	-	-	0				<0.1																	
2,4-Dinitrotoluene	mg/kg	<0.1 mg/kg	3.8	h	1	0	0.1	0.1	-	-	0				<0.1																	
2,4-Dimethylphenol	mg/kg	<0.1 mg/kg	51	h	1	0	0.1	0.1	-	-	0				<0.1																	
2,4-Dichlorophenol	mg/kg	<0.1 mg/kg	2.3	h	1	0	0.1	0.1	-	-	0				<0.1																	
2,4,6-Trichlorophenol	mg/kg	<0.1 mg/kg	2.3	h	1	0	0.1	0.1	-	-	0				<0.1																	
2,4,5-Trichlorophenol	mg/kg	<0.1 mg/kg	2.3	h	1	0	0.1	0.1	-	-	0				<0.1																	
1,4-Dichlorobenzene	mg/kg	<0.1 mg/kg	86	h	1	0	0.1	0.1	-	-	0				<0.1																	
1,3-Dichlorobenzene	mg/kg	<0.1 mg/kg	0.84	h	1	0	0.1	0.1	-	-	0				<0.1																	

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data																				
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	WSE15	BHE01	BHE01	BHE02	WSE17	WSE17																
												OSU	OSU	OSU	OSU	odney Hous	odney House														
												1.8-2.0	1.0-1.3	3.0-3.2	1.6-2.0	0.6-0.8	2.4-2.6														
												Nat	Nat	Nat	Nat	Nat	Nat														
1,2-Dichlorobenzene	mg/kg	<0.1 mg/kg	46	h	1	0	0.1	0.1	-	-	0				<0.1																	
2-Chloronaphthalene	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1																	
2-Methylnaphthalene	mg/kg	<0.1 mg/kg	0.1	x	1	0	0.1	0.1	-	-	0				<0.1																	
Acenaphthylene	mg/kg	<0.1 mg/kg	470	h	1	0	0.1	0.1	-	-	0				<0.1																	
Acenaphthene	mg/kg	<0.1 mg/kg	560	h	1	0	0.1	0.1	-	-	0				<0.1																	
Anthracene	mg/kg	<0.1 mg/kg	5700	h	1	0	0.1	0.1	-	-	0				<0.1																	
Benzo(a)anthracene	mg/kg	<0.1 mg/kg	5	h	1	0	0.1	0.1	-	-	0				<0.1																	
Benzo(b)fluoranthene	mg/kg	<0.1 mg/kg	6.7	h	1	0	0.1	0.1	-	-	0				<0.1																	
Benzo(k)fluoranthene	mg/kg	<0.1 mg/kg	9.7	h	1	0	0.1	0.1	-	-	0				<0.1																	
Benzo(a)pyrene	mg/kg	<0.1 mg/kg	0.96	h	1	0	0.1	0.1	-	-	0				<0.1																	
Benzo(g,h,i)perylene	mg/kg	<0.1 mg/kg	46	h	1	0	0.1	0.1	-	-	0				<0.1																	
Chrysene	mg/kg	<0.1 mg/kg	8.4	h	1	0	0.1	0.1	-	-	0				<0.1																	
Fluoranthene	mg/kg	<0.1 mg/kg	510	h	1	0	0.1	0.1	-	-	0				<0.1																	
Fluorene	mg/kg	<0.1 mg/kg	440	h	1	0	0.1	0.1	-	-	0				<0.1																	
Indeno(1,2,3-cd)pyrene	mg/kg	<0.1 mg/kg	3.9	h	1	0	0.1	0.1	-	-	0				<0.1																	
Phenanthrene	mg/kg	<0.1 mg/kg	230	h	1	0	0.1	0.1	-	-	0				<0.1																	
Pyrene	mg/kg	<0.1 mg/kg	1200	h	1	0	0.1	0.1	-	-	0				<0.1																	
Naphthalene	mg/kg	<0.1 mg/kg	4.4	h	1	0	0.1	0.1	-	-	0				<0.1																	
Dibenzo(a,h)anthracene	mg/kg	<0.1 mg/kg	0.87	h	1	0	0.1	0.1	-	-	0				<0.1																	
Dibromofluoromethane**	%	%	-		1	1	98.9	98.9	98.9	-	0				98.9																	
Toluene-d8**	%	%	-		1	1	101	101	101	-	0				101																	
4-Bromofluorobenzene**	%	%	-		1	1	111	111	111	-	0				111																	
Dichlorodifluoromethane	mg/kg	<0.004 mg/kg	0.004	x	1	0	0.004	0.004	-	-	0				<0.004																	
Chloromethane	mg/kg	<0.007 mg/kg	0.01	h	1	0	0.007	0.007	-	-	0				<0.007																	
Vinyl Chloride	mg/kg	<0.01 mg/kg	0.00069	h	1	0	0.01	0.01	-	-	1				<0.01																	
Bromomethane	mg/kg	<0.013 mg/kg	0.013	x	1	0	0.013	0.013	-	-	0				<0.013																	
Chloroethane	mg/kg	<0.014 mg/kg	12	h	1	0	0.014	0.014	-	-	0				<0.014																	
Trichlorofluormethane	mg/kg	<0.006 mg/kg	0.006	x	1	0	0.006	0.006	-	-	0				<0.006																	
1.1-Dichloroethene	mg/kg	<0.01 mg/kg	0.46	h	1	0	0.01	0.01	-	-	0				<0.01																	
Carbon Disulphide	mg/kg	<0.007 mg/kg	0.24	h	1	0	0.007	0.007	-	-	0				<0.007																	
Dichloromethane	mg/kg	<0.01 mg/kg	1.1	h	1	0	0.01	0.01	-	-	0				<0.01																	
Methyl Tertiary Butyl Ether	mg/kg	<0.011 mg/kg	96	h	1	0	0.011	0.011	-	-	0				<0.011																	
trans-1-2-Dichloroethene	mg/kg	<0.011 mg/kg	0.39	h	1	0	0.011	0.011	-	-	0				<0.011																	
1.1-Dichloroethane	mg/kg	<0.008 mg/kg	4.4	h	1	0	0.008	0.008	-	-	0				<0.008																	
cis-1-2-Dichloroethene	mg/kg	<0.005 mg/kg	0.22	h	1	0	0.005	0.005	-	-	0				<0.005																	
2.2-Dichloropropane	mg/kg	<0.012 mg/kg	0.012	x	1	0	0.012	0.012	-	-	0				<0.012																	
Bromochloromethane	mg/kg	<0.014 mg/kg	0.014	x	1	0	0.014	0.014	-	-	0				<0.014																	
Chloroform	mg/kg	<0.008 mg/kg	1.5	h	1	0	0.008	0.008	-	-	0				<0.008																	
1.1.1-Trichloroethane	mg/kg	<0.007 mg/kg	15	h	1	0	0.007	0.007	-	-	0				<0.007																	
1.1-Dichloropropene	mg/kg	<0.011 mg/kg	0.011	x	1	0	0.011	0.011	-	-	0				<0.011																	
Carbontetrachloride	mg/kg	<0.014 mg/kg	0.047	h	1	0	0.014	0.014	-	-	0				<0.014																	
1.2-Dichloroethane	mg/kg	<0.005 mg/kg	0.0088	h	1	0	0.005	0.005	-	-	0				<0.005																	
Benzene	mg/kg	<0.009 mg/kg	0.18	h	1	0	0.009	0.009	-	-	0				<0.009																	
Trichloroethene	mg/kg	<0.009 mg/kg	0.26	h	1	0	0.009	0.009	-	-	0				<0.009																	
1.2-Dichloropropane	mg/kg	<0.012 mg/kg	0.048	h	1	0	0.012	0.012	-	-	0				<0.012																	
Dibromomethane	mg/kg	<0.009 mg/kg	0.009	x	1	0	0.009	0.009	-	-	0				<0.009																	
Bromodichloromethane	mg/kg	<0.007 mg/kg	0.034	x	1	0	0.007	0.007	-	-	0				<0.007																	
cis-1-3-Dichloropropene	mg/kg	<0.014 mg/kg	0.014	x	1	0	0.014	0.014	-	-	0				<0.014																	
Toluene	mg/kg	<0.005 mg/kg	320	h	1	0	0.005	0.005	-	-	0				<0.005																	
trans-1-3-Dichloropropene	mg/kg	<0.014 mg/kg	0.014	x	1	0	0.014	0.014	-	-	0				<0.014																	
1.1.2-Trichloroethane	mg/kg	<0.01 mg/kg	1.5	h	1	0	0.01	0.01	-	-	0				<0.01																	
1.3-Dichloropropane	mg/kg	<0.007 mg/kg	0.007	x	1	0	0.007	0.007	-	-	0				<0.007																	
Tetrachloroethene	mg/kg	<0.005 mg/kg	2.5	h	1	0	0.005	0.005	-	-	0				<0.005																	
Dibromochloromethane	mg/kg	<0.013 mg/kg	0.013	x	1	0	0.013	0.013	-	-	0				<0.013																	
1.2-Dibromoethane	mg/kg	<0.012 mg/kg	0.012	x	1	0	0.012	0.012	-	-	0				<0.012																	
Chorobenzene	mg/kg	<0.005 mg/kg	0.87	h	1	0	0.005	0.005	-	-	0				<0.005																	
1.1.1.2-Tetrachloroethane	mg/kg	<0.01 mg/kg	2.5	h	1	0	0.01	0.01	-	-	0				<0.01																	
Ethylbenzene	mg/kg	<0.004 mg/kg	180	h	1	0	0.004	0.004	-	-	0				<0.004																	
p/m-Xylene	mg/kg	<0.014 mg/kg	120	h	1	0	0.014	0.014	-	-	0				<0.014																	
o-Xylene	mg/kg	<0.01 mg/kg	120	h	1	0	0.01	0.01	-	-	0				<0.01																	
Styrene	mg/kg	<0.01 mg/kg	22	h	1	0	0.01	0.01	-	-	0				<0.01																	
Bromoform	mg/kg	<0.01 mg/kg	7	h	1	0	0.01	0.01	-	-	0				<0.01																	
Isopropylbenzene	mg/kg	<0.005 mg/kg	32	h	1	0	0.005	0.005	-	-	0				<0.005																	
1.1.2.2-Tetrachloroethane	mg/kg	<0.01 mg/kg	3.4	h	1	0	0.01	0.01	-	-	0				<0.01																	
1.2.3-Trichloropropane	mg/kg	<0.017 mg/kg	0.017	x	1	0	0.017	0.017	-	-	0				<0.017																	
Bromobenzene	mg/kg	<0.01 mg/kg	2.4	h	1	0	0.01	0.01	-	-	0				<0.01																	
Propylbenzene	mg/kg	<0.011 mg/kg	98	h	1	0	0.011	0.011	-	-	0				<0.011																	
2-Chlorotoluene	mg/kg	<0.009 mg/kg	0.009	x	1	0	0.009	0.009	-	-	0				<0.009																	
1.3.5-Trimethylbenzene	mg/kg	<0.008 mg/kg	0.008	x	1	0	0.008	0.008	-	-	0				<0.008																	
4-Chlorotoluene	mg/kg	<0.012 mg/kg	0.012	x	1	0	0.012	0.012	-	-	0				<0.012																	
tert-Butylbenzene	mg/kg	<0.012 mg/kg	0.012	x	1	0	0.012	0.012	-	-	0				<0.012																	
1.2.4-Trimethylbenzene	mg/kg	<0.009 mg/kg	1	h	1	0	0.009	0.009	-	-	0				<0.009																	
sec-Butylbenzene	mg/kg	<0.01 mg/kg	0.01	x	1	0	0.01	0.01	-	-	0				<0.01																	
4-Isopropyltoluene	mg/kg	<0.011 mg/kg	0.011	x	1	0	0.011	0.011	-	-	0				<0.011																	
1.3-Dichlorobenzene	mg/kg	<0.006 mg/kg	0.84	h	1	0	0.006	0.006	-	-	0				<0.006																	
1.4-Dichlorobenzene	mg/kg	<0.005 mg/kg	86	h	1	0	0.005	0.005	-	-	0				<0.005																	
n-Butylbenzene	mg/kg	<0.01 mg/kg	0.01	x	1	0	0.01	0.01	-	-	0				<0.01																	
1.2-Dichlorobenzene	mg/kg	<0.012 mg/kg	46	h	1	0	0.012	0.012	-	-	0				<0.012																	
1.2-Dibromo-3-chloropropane	mg/kg	<0.014 mg/kg	0.014	x	1	0	0.014	0.014	-	-	0				<0.014																	
Tert-amyl methyl ether	mg/kg	<0.015 mg/kg	0.015	x	1	0	0.015	0.015	-	-	0				<0.015																	
1.2.4-Trichlorobenzene	mg/kg	<0.006 mg/kg	5.4	h	1	0	0.006	0.006	-	-	0				<0.006																	
Hexachlorobutadiene	mg/kg	<0.012 mg/kg	0.61	h	1	0	0.012	0.012	-	-	0				<0.012																	
Naphthalene	mg/kg	<0.013 mg/kg	4.4	h	1	0	0.013	0.013	-	-	0				<0.013																	
1.2.3-Trichlorobenzene	mg/kg	<0.006 mg/kg	3.1	h	1	0	0.006	0.006	-	-	0				<0.006																	

Data Summary Statistics

Site:	DSDC Bicester Site E	**Project No:**	26999
Data Description:	Zone 2	**SOM (%):**	1.0%
Land Use:	Residential with Plant Uptake	**Completed By:**	RIDEJ
Receptor:	Human Health	**Checked By:**	

Assessment Criteria Key

a) 2009 SGV (Res with Plant)
b) 2009 SGV (Allotment)
c) 2009 SGV (Commercial/Industrial)
d) EIC GAC (Res with Plant)
e) EIC GAC (Res without Plant)
f) EIC GAC (Allotment)
g) EIC GAC (Commercial/Ind)
h) Entec GAC (Res with Plant)
i) Entec GAC (Res without Plant)
j) Entec GAC (Allotment)
k) Entec GAC (Commercial/Ind)
l) LQM CIEH GAC (Res with Plant)
m) LQM CIEH GAC (Res without Plant)
n) LQM CIEH GAC (Commercial/Ind)
o) Dutch Intervention values
p) Dutch Target Values
q) Soil Code: Crops for Consumption
r) Soil Code: Sensitive Species
s) Soil Code: Grazing Animals
t) Soil Code: Background
u) BRE Special Digest
v) Other Generic Criteria
w) Site Specific Assessment Criteria
x) Laboratory limit of detection
y) CLR SGV for Lead (2002)

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data					
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	WSE1	WSE2	WSE2	WSE3	WSE4	WSE4
												E25 CP	E25CP	E25 CP	E11	E11	E11
												0.4-0.6	0.5-0.7	2.1-2.3	2.3-2.5	0.2-0.4	1.6-1.8
												Nat	Nat	Nat	Nat	MG	Nat
Inorganics					0	0	0	0	-	-	0						
Soil Organic Matter (SOM)	%	<0.35 %	0.35		0	0	0	0	-	-	0						
pH	pH Units	1 pH unit			6	6	4.92	8	6.786666667	1.303252342	0	8	7.83	6.06	5.99	7.92	4.92
Sulphate, 2:1 water soluble	g/l	<0.003 g/l	0.003	x	6	5	0.003	1.86	0.89365	0.954654437	5	0.0329	0.036	1.67	1.86	<0.003	1.76
Ammoniacal Nitrogen, exchangeable as NH4	mg/kg	<15 mg/kg	15	x	6	0	15	15	-	-	0	<15	<15	<15	<15	<15	<15
Boron, water soluble	mg/kg	<1 mg/kg	290	l	6	6	1.02	3.82	2.311666667	1.261513641	0	1.09	1.02	3.38	3.11	1.45	3.82
Arsenic	mg/kg	<0.6 mg/kg	32	a	6	6	5.35	13.5	9.468333333	3.468287281	0	13	10.3	5.81	5.35	13.5	8.85
Chromium, Hexavalent	mg/kg	<0.6 mg/kg	4.3	l	6	0	0.6	1.2	-	-	0	<0.6	<0.6	<0.6	<0.6	<0.6	<1.2
Cadmium	mg/kg	<0.02 mg/kg	10	a	6	6	0.337	0.824	0.487666667	0.178608697	0	0.458	0.458	0.508	0.341	0.824	0.337
Chromium	mg/kg	<0.9 mg/kg	3000	l	6	6	27	37	33.2	4.172289539	0	33.8	29.2	35.4	27	37	36.8
Copper	mg/kg	<1.4 mg/kg	2300	l	6	6	12.5	24.2	17.91666667	4.34668456	0	14.8	12.5	16.2	18.3	21.5	24.2
Lead	mg/kg	<0.7 mg/kg	450	y	6	6	9.08	25.2	16.36333333	6.96798871	0	25.2	12.9	9.08	13	25.1	12.9
Mercury	mg/kg	<0.14 mg/kg	0.17	h	6	0	0.14	0.14	-	-	0	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Nickel	mg/kg	<0.2 mg/kg	130	a	6	6	17.3	33.4	26.63333333	5.778811873	0	26.1	24.4	32	17.3	33.4	26.6
Selenium	mg/kg	<1 mg/kg	350	a	6	3	1	1.54	1.185	0.224833272	0	<1	<1	1.54	<1	1.24	1.33
Zinc	mg/kg	<1.9 mg/kg	3800	l	6	6	59.8	122	87.68333333	25.62361541	0	83.8	59.8	122	68.1	116	76.4
Asbestos Containing Material Screen					0	0	0	0	-	-	0						
Asbestos, Chrysotile (white)					0	0	0	0	-	-	0						
TPH 6 Split					0	0	0	0	-	-	0						
TPH >C6-C8	mg/kg	<10 mg/kg	73	l	3	0	10	10	-	-	0			<10	<10		<10
TPH >C8-C10	mg/kg	<10 mg/kg	19	l	3	0	10	10	-	-	0			<10	<10		<10
TPH >C10-C12	mg/kg	<10 mg/kg	69	l	3	0	10	10	-	-	0			<10	<10		<10
TPH >C12-C16	mg/kg	<10 mg/kg	140	l	3	0	10	10	-	-	0			<10	<10		<10
TPH >C16-C21	mg/kg	<10 mg/kg	250	l	3	0	10	10	-	-	0			<10	<10		<10
TPH >C21-C40	mg/kg	<10 mg/kg	890	l	3	2	10	160	61.1	85.66580415	0			13.3	<10		160
TPH >C6-C40	mg/kg	<10 mg/kg	-		3	2	10	183	68.76666667	98.94272754	0			13.3	<10		183

Data Summary Statistics

Site:	DSDC Bicester Site E	**Project No:**	26999
Data Description:	Zone 3	**SOM (%):**	6.0%
Land Use:	Residential with Plant Uptake	**Completed By:**	RIDEJ
Receptor:	Human Health	**Checked By:**	

Assessment Criteria Key

a) 2009 SGV (Res with Plant)
b) 2009 SGV (Allotment)
c) 2009 SGV (Commercial/Industrial)
d) EIC GAC (Res with Plant)
e) EIC GAC (Res without Plant)
f) EIC GAC (Allotment)
g) EIC GAC (Commercial/Ind)
h) Entec GAC (Res with Plant)
i) Entec GAC (Res without Plant)
j) Entec GAC (Allotment)
k) Entec GAC (Commercial/Ind)
l) LQM CIEH GAC (Res with Plant)
m) LQM CIEH GAC (Res without Plant)
n) LQM CIEH GAC (Commercial/Ind)
o) Dutch Intervention values
p) Dutch Target Values
q) Soil Code: Crops for Consumption
r) Soil Code: Sensitive Species
s) Soil Code: Grazing Animals
t) Soil Code: Background
u) BRE Special Digest
v) Other Generic Criteria
w) Site Specific Assessment Criteria
x) Laboratory limit of detection
y) CLR SGV for Lead (2002)

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data							
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	WSE7 E20 0.0-0.2 MG	WSE8 E20 0.4-0.6 MG	WSE9 E14 0.4-0.5 MG	WSE10 E14 0.1-0.3 MG	WSE11 E16 0.1-0.3 MG	WSE12 E14 0.1-0.3 MG	WSE13 E14 0.2-0.4 MG	WSE14 E16 0.4-0.7 MG
Inorganics					0	0	0	0	-	-	0								
Soil Organic Matter (SOM)	%	<0.35 %	0.35		1	1	60.5	60.5	60.5	-	1			60.5					
pH	pH Units	1 pH unit			7	7	4.89	9.01	7.814285714	1.343463895	0	8.27	9.01	8.17	8.16		8.44	7.76	4.89
Sulphate, 2:1 water soluble	g/l	<0.003 g/l	0.003	x	7	7	0.0178	1.37	0.273228571	0.49147793	7	0.0478	0.0791	0.0178	1.37		0.103	0.0209	0.274
Ammoniacal Nitrogen, exchangeable as NH4	mg/kg	<15 mg/kg	15	x	7	0	15	15	-	-	0	<15	<15	<15	<15		<15	<15	<15
Boron, water soluble	mg/kg	<1 mg/kg	290	l	7	3	1	6.91	1.935714286	2.202641272	0	<1	1.09	<1	<1		1.55	6.91	<1
Arsenic	mg/kg	<0.6 mg/kg	32	a	7	7	9.18	357	61.18857143	130.4616924	1	9.34	10.9	12.2	14.3		15.4	357	9.18
Chromium, Hexavalent	mg/kg	<0.6 mg/kg	4.3	l	7	0	0.6	1.2	-	-	0	<0.6	<0.6	<0.6	<0.6		<0.6	<0.6	<1.2
Cadmium	mg/kg	<0.02 mg/kg	10	a	7	7	0.207	3.58	0.790571429	1.238372703	0	0.217	0.207	0.298	0.336		0.265	3.58	0.631
Chromium	mg/kg	<0.9 mg/kg	3000	l	7	7	8.49	83.8	33.01285714	24.16243277	0	24.6	8.49	20.4	24.4		32.2	83.8	37.2
Copper	mg/kg	<1.4 mg/kg	2300	l	7	7	9.37	351	107.2385714	144.2951307	0	20	9.37	36.8	31		21.5	351	281
Lead	mg/kg	<0.7 mg/kg	450	y	7	7	5.16	423	84.08	150.0185326	0	15.5	5.16	42.5	37.2		30.6	423	34.6
Mercury	mg/kg	<0.14 mg/kg	1	a	7	0	0.14	0.14	-	-	0	<0.14	<0.14	<0.14	<0.14		<0.14	<0.14	<0.14
Nickel	mg/kg	<0.2 mg/kg	130	a	7	7	7.45	115	41.12142857	38.74497663	0	16.7	7.45	29.3	22.6		23.6	115	73.2
Selenium	mg/kg	<1 mg/kg	350	a	7	6	1	24.5	4.537142857	8.806833927	0	1.07	<1	1.09	1.04		1.77	24.5	1.29
Zinc	mg/kg	<1.9 mg/kg	3800	l	7	7	50.4	279	108.5428571	85.40542249	0	50.4	55.4	61.8	70.1		74.1	279	169
Asbestos Containing Material Screen					0	0	#VALUE!	#VALUE!	-	-	0	No ACM Detected			No ACM Detectable	ACM Dete	No ACM Detected		No ACM Detected
Asbestos, Chrysotile (white)					0	0	#VALUE!	#VALUE!	-	-	0					Detected			
TPH 6 Split					0	0	0	0	-	-	0								
TPH >C6-C8	mg/kg	<10 mg/kg	370	l	1	0	10	10	-	-	0				<10				
TPH >C8-C10	mg/kg	<10 mg/kg	110	l	1	0	10	10	-	-	0				<10				
TPH >C10-C12	mg/kg	<10 mg/kg	346	l	1	0	10	10	-	-	0				<10				
TPH >C12-C16	mg/kg	<10 mg/kg	593	l	1	0	10	10	-	-	0				<10				
TPH >C16-C21	mg/kg	<10 mg/kg	770	l	1	1	24.8	24.8	24.8	-	0				24.8				
TPH >C21-C40	mg/kg	<10 mg/kg	1230	l	1	1	359	359	359	-	0				359				
TPH >C6-C40	mg/kg	<10 mg/kg	-		1	1	393	393	393	-	0				393				
Organics					0	0	0	0	-	-	0								
Acenaphthene-d10 % recovery**	%				0	0	0	0	-	-	0								
Naphthalene-d8 % recovery**	%	%	-		3	3	92.1	98.2	94.76666667	3.121431296	0			92.1			94		98.2
Acenaphthene-d10 % recovery**	%	%	-		3	3	93.5	105	97.46666667	6.527122899	0			93.5			93.9		105
Phenanthrene-d10 % recovery**	%	%	-		3	3	90.1	99.9	95	4.9	0			90.1			95		99.9
Chrysene-d12 % recovery**	%	%	-		3	3	70.7	92	81.7	10.66723957	0			82.4			92		70.7
Perylene-d12 % recovery**	%	%	-		3	3	61.6	94	77.5	16.20833119	0			76.9			94		61.6
Naphthalene	mg/kg	<0.009 mg/kg	8.7	l	3	3	0.0408	0.257	0.133933333	0.111164803	0			0.257			0.0408		0.104
Acenaphthylene	mg/kg	<0.012 mg/kg	850	l	3	2	0.012	0.204	0.076133333	0.110735962	0			0.204			<0.012		0.0124
Acenaphthene	mg/kg	<0.008 mg/kg	1000	l	3	2	0.008	0.251	0.090633333	0.138903216	0			0.251			0.0129		<0.008
Fluorene	mg/kg	<0.01 mg/kg	780	l	3	1	0.01	0.149	0.056333333	-	0			0.149			<0.01		<0.01
Phenanthrene	mg/kg	<0.015 mg/kg	380	l	3	3	0.159	2.32	0.924333333	1.210566121	0			2.32			0.294		0.159
Anthracene	mg/kg	<0.016 mg/kg	9200	l	3	3	0.0188	0.49	0.181733333	0.267111762	0			0.49			0.0364		0.0188
Fluoranthene	mg/kg	<0.017 mg/kg	670	l	3	3	0.0813	6.95	2.488433333	3.867852397	0			6.95			0.434		0.0813
Pyrene	mg/kg	<0.015 mg/kg	1600	l	3	3	0.069	5.94	2.117333333	3.313359976	0			5.94			0.343		0.069
Benz(a)anthracene	mg/kg	<0.014 mg/kg	5.9	l	3	3	0.0361	3.11	1.1307	1.717333942	0			3.11			0.246		0.0361
Chrysene	mg/kg	<0.01 mg/kg	9.3	l	3	3	0.0443	2.84	1.045433333	1.557606164	0			2.84			0.252		0.0443
Benzo(b)fluoranthene	mg/kg	<0.015 mg/kg	7	l	3	3	0.0452	4.08	1.4814	2.254613732	0			4.08			0.319		0.0452
Benzo(k)fluoranthene	mg/kg	<0.014 mg/kg	10	l	3	2	0.014	1.74	0.627333333	0.965281997	0			1.74			0.128		<0.014
Benzo(a)pyrene	mg/kg	<0.015 mg/kg	1	l	3	3	0.024	3.21	1.151666667	1.785288305	1			3.21			0.221		0.024
Indeno(1,2,3-cd)pyrene	mg/kg	<0.018 mg/kg	4.2	l	3	2	0.018	1.55	0.563	0.856317114	0			1.55			0.121		<0.018
Dibenzo(a,h)anthracene	mg/kg	<0.023 mg/kg	0.9	l	3	2	0.023	0.459	0.173766667	0.247153724	0			0.459			0.0393		<0.023
Benzo(g,h,i)perylene	mg/kg	<0.024 mg/kg	47	l	3	2	0.024	1.7	0.627666667	0.931117787	0			1.7			0.159		<0.024
Polyaromatic hydrocarbons, Total USEPA 16	mg/kg	<0.118 mg/kg	-		3	3	0.593	35.3	12.84766667	19.47147314	0			35.3			2.65		0.593
TPHCWG					0	0	0	0	-	-	0								
Aliphatics >C5-C6	mg/kg	<0.01 mg/kg	110	h	3	0	0.01	0.01	-	-	0			<0.01			<0.01		<0.01
Aliphatics >C6-C8	mg/kg	<0.01 mg/kg	370	h	3	0	0.01	0.01	-	-	0			<0.01			<0.01		<0.01
Aliphatics >C8-C10	mg/kg	<0.01 mg/kg	110	h	3	0	0.01	0.01	-	-	0			<0.01			<0.01		<0.01
Aliphatics >C10-C12	mg/kg	<0.01 mg/kg	540	h	3	0	0.01	0.01	-	-	0			<0.01			<0.01		<0.01
Total Aliphatics >C5-C12	mg/kg	<0.01 mg/kg	0.01	x	3	0	0.01	0.01	-	-	0			<0.01			<0.01		<0.01
Aromatics >C6-C7	mg/kg	<0.01 mg/kg	280	h	3	0	0.01	0.01	-	-	0			<0.01			<0.01		<0.01
Aromatics >C7-C8	mg/kg	<0.01 mg/kg	611	h	3	0	0.01	0.01	-	-	0			<0.01			<0.01		<0.01
Aromatics >EC8-EC10	mg/kg	<0.01 mg/kg	151	h	3	0	0.01	0.01	-	-	0			<0.01			<0.01		<0.01
Aromatics >EC10-EC12	mg/kg	<0.01 mg/kg	346	h	3	0	0.01	0.01	-	-	0			<0.01			<0.01		<0.01
Total Aromatics >C6-C12	mg/kg	<0.01 mg/kg	0.01	x	3	0	0.01	0.01	-	-	0			<0.01			<0.01		<0.01
GRO Surrogate % recovery**	%	%	-		3	3	23	47	34.66666667	12.01388086	0			23			47		34
Benzene	mg/kg	<0.01 mg/kg	0.33	a	3	0	0.01	0.01	-	-	0			<0.01			<0.01		<0.01

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data							
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	WSE7 E20 0.0-0.2 MG	WSE8 E20 0.4-0.6 MG	WSE9 E14 0.4-0.5 MG	WSE10 E14 0.1-0.3 MG	WSE11 E16 0.1-0.3 MG	WSE12 E14 0.1-0.3 MG	WSE13 E14 0.2-0.4 MG	WSE14 E16 0.4-0.7 MG
Toluene	mg/kg	<0.002 mg/kg	610	a	3	0	0.002	0.002	-	-	0			<0.002			<0.002		<0.002
Ethylbenzene	mg/kg	<0.003 mg/kg	350	a	3	0	0.003	0.003	-	-	0			<0.003			<0.003		<0.003
m,p-Xylene	mg/kg	<0.06 mg/kg	230	a	3	0	0.006	0.006	-	-	0			<0.006			<0.006		<0.006
o-Xylene	mg/kg	<0.003 mg/kg	230	a	3	0	0.003	0.003	-	-	0			<0.003			<0.003		<0.003
m,p,o-Xylene	mg/kg	<0.01 mg/kg	230	a	3	0	0.01	0.01	-	-	0			<0.01			<0.01		<0.01
BTEX, Total	mg/kg	<0.01 mg/kg	0.01	x	3	0	0.01	0.01	-	-	0			<0.01			<0.01		<0.01
Methyl tertiary butyl ether (MTBE)	mg/kg	<0.005 mg/kg	160	d	3	0	0.005	0.005	-	-	0			<0.005			<0.005		<0.005
GRO >C5-C12	mg/kg	<0.044 mg/kg	0.044	x	3	0	0.044	0.044	-	-	0			<0.044			<0.044		<0.044
Aliphatics >C12-C16	mg/kg	<0.1 mg/kg	3000	h	3	3	8.31	18.1	12.97	4.911893728	0			8.31			12.5		18.1
Aliphatics >C16-C21	mg/kg	<0.1 mg/kg	-		3	3	5.96	10.9	8.466666667	2.470816329	0			10.9			8.54		5.96
Aliphatics >C16-C35	mg/kg	<0.1 mg/kg	76000	h	3	3	19.5	44.6	34.43333333	13.2114849	0			39.2			44.6		19.5
Aliphatics >C21-C35	mg/kg	<0.1 mg/kg	-		3	3	13.6	36.1	26	11.42497265	0			28.3			36.1		13.6
Aliphatics >C35-C44	mg/kg	<0.1 mg/kg	76000	h	3	1	0.1	10.4	3.533333333	-	0			<0.1			10.4		<0.1
Total Aliphatics >C12-C44	mg/kg	<0.1 mg/kg	-		3	3	37.6	67.5	50.86666667	15.23165563	0			47.5			67.5		37.6
Aromatics >EC12-EC16	mg/kg	<0.1 mg/kg	593	h	3	3	6.1	24.4	12.60666667	10.23152644	0			7.32			24.4		6.1
Aromatics >EC16-EC21	mg/kg	<0.1 mg/kg	770	h	3	3	6.32	40.7	26.94	18.18765515	0			33.8			40.7		6.32
Aromatics >EC21-EC35	mg/kg	<0.1 mg/kg	1230	h	3	3	11.4	106	71.46666667	52.21353592	0			106			97		11.4
Aromatics >EC35-EC44	mg/kg	<0.1 mg/kg	1230	h	3	3	5.96	31.7	20.92	13.36941285	0			25.1			31.7		5.96
Aromatics >EC40-EC44	mg/kg	<0.1 mg/kg	-		3	3	1.94	11.9	7.35	5.035384792	0			8.21			11.9		1.94
Total Aromatics >EC12-EC44	mg/kg	<0.1 mg/kg	-		3	3	29.8	194	131.9333333	89.13143852	0			172			194		29.8
Total Aliphatics >C5-C44	mg/kg	<0.1 mg/kg	-		3	3	37.6	67.5	50.86666667	15.23165563	0			47.5			67.5		37.6
Total Aromatics >C6-C44	mg/kg	<0.1 mg/kg	-		3	3	29.8	194	131.9333333	89.13143852	0			172			194		29.8
Total Aliphatics & Aromatics >C5-C44	mg/kg	<0.1 mg/kg	-		3	3	67.4	261	182.4666667	101.8393506	0			219			261		67.4
Total Aliphatics >C5-35	mg/kg	<0.1 mg/kg	-		3	3	37.6	57.2	47.43333333	9.800170067	0			47.5			57.2		37.6
Total Aromatics >C5-35	mg/kg	<0.1 mg/kg	-		3	3	23.8	162	110.9333333	75.83147983	0			147			162		23.8
Total Aliphatics & Aromatics >C5-35	mg/kg	<0.1 mg/kg	-		3	3	61.4	219	158.1333333	84.70096418	0			194			219		61.4
Other Organics					0	0	0	0	-	-	0								
PCBs (vs Aroclor 1254)	mg/kg	<0.035 mg/kg	0.035	x	3	0	0.035	0.035	-	-	0			<0.035			<0.035		<0.035
Phenol	mg/kg	<0.1 mg/kg	420	a	3	1	0.1	2.49	0.896666667	-	0			2.49			<0.1		<0.1
Pentachlorophenol	mg/kg	<0.1 mg/kg	2.96	l	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
n-Nitroso-n-dipropylamine	mg/kg	<0.1 mg/kg	0.1	x	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
Nitrobenzene	mg/kg	<0.1 mg/kg	0.1	x	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
Isophorone	mg/kg	<0.1 mg/kg	0.1	x	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
Hexachloroethane	mg/kg	<0.1 mg/kg	1.1	d	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
Hexachlorocyclopentadiene	mg/kg	<0.1 mg/kg	0.1	x	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
Hexachlorobutadiene	mg/kg	<0.1 mg/kg	1.2	l	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
Hexachlorobenzene	mg/kg	<0.1 mg/kg	1.4	l	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
n-Dioctyl phthalate	mg/kg	<0.1 mg/kg	3100	d	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
Dimethyl phthalate	mg/kg	<0.1 mg/kg	0.1	x	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
Diethyl phthalate	mg/kg	<0.1 mg/kg	570	d	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
n-Dibutyl phthalate	mg/kg	<0.1 mg/kg	67	d	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
Dibenzofuran	mg/kg	<0.1 mg/kg	0.1	x	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
Carbazole	mg/kg	<0.1 mg/kg	-		3	1	0.1	0.203	0.134333333	-	0			0.203			<0.1		<0.1
Butylbenzyl phthalate	mg/kg	<0.1 mg/kg	7200	d	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
bis(2-Ethylhexyl) phthalate	mg/kg	<0.1 mg/kg	1100	d	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
bis(2-Chloroethoxy)methane	mg/kg	<0.1 mg/kg	0.1	x	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
bis(2-Chloroethyl)ether	mg/kg	<0.1 mg/kg	0.1	x	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
Azobenzene	mg/kg	<0.1 mg/kg	0.1	x	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
4-Nitrophenol	mg/kg	<0.1 mg/kg	0.1	x	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
4-Nitroaniline	mg/kg	<0.1 mg/kg	0.1	x	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
4-Methylphenol	mg/kg	<0.1 mg/kg	400	d	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
4-Chlorophenylphenylether	mg/kg	<0.1 mg/kg	0.1	x	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
4-Chloroaniline	mg/kg	<0.1 mg/kg	0.1	x	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
4-Chloro-3-methylphenol	mg/kg	<0.1 mg/kg	0.1	x	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
4-Bromophenylphenylether	mg/kg	<0.1 mg/kg	0.1	x	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
3-Nitroaniline	mg/kg	<0.1 mg/kg	0.1	x	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
2-Nitrophenol	mg/kg	<0.1 mg/kg	0.1	x	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
2-Nitroaniline	mg/kg	<0.1 mg/kg	0.1	x	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
2-Methylphenol	mg/kg	<0.1 mg/kg	400	d	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
1,2,4-Trichlorobenzene	mg/kg	<0.1 mg/kg	0.1	x	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
2-Chlorophenol	mg/kg	<0.1 mg/kg	4.4	l	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
2,6-Dinitrotoluene	mg/kg	<0.1 mg/kg	3.9	d	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
2,4-Dinitrotoluene	mg/kg	<0.1 mg/kg	7.2	d	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
2,4-Dimethylphenol	mg/kg	<0.1 mg/kg	97	d	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
2,4-Dichlorophenol	mg/kg	<0.1 mg/kg	4.4	l	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
2,4,6-Trichlorophenol	mg/kg	<0.1 mg/kg	4.4	l	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
2,4,5-Trichlorophenol	mg/kg	<0.1 mg/kg	4.4	l	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
1,4-Dichlorobenzene	mg/kg	<0.1 mg/kg	167	l	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
1,3-Dichlorobenzene	mg/kg	<0.1 mg/kg	1.7	l	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data							
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	WSE7 E20 0.0-0.2 MG	WSE8 E20 0.4-0.6 MG	WSE9 E14 0.4-0.5 MG	WSE10 E14 0.1-0.3 MG	WSE11 E16 0.1-0.3 MG	WSE12 E14 0.1-0.3 MG	WSE13 E14 0.2-0.4 MG	WSE14 E16 0.4-0.7 MG
1,2-Dichlorobenzene	mg/kg	<0.1 mg/kg	91	l	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
2-Chloronaphthalene	mg/kg	<0.1 mg/kg	0.1	x	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
2-Methylnaphthalene	mg/kg	<0.1 mg/kg	-		3	2	0.1	0.18	0.131333333	0.04272392	0			<0.1			0.18		0.114
Acenaphthylene	mg/kg	<0.1 mg/kg	850	l	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
Acenaphthene	mg/kg	<0.1 mg/kg	1000	l	3	1	0.1	0.235	0.145	-	0			0.235			<0.1		<0.1
Anthracene	mg/kg	<0.1 mg/kg	9200	l	3	1	0.1	0.674	0.291333333	-	0			0.674			<0.1		<0.1
Benzo(a)anthracene	mg/kg	<0.1 mg/kg	5.9	l	3	2	0.1	3.9	1.467333333	2.112155613	0			3.9			0.402		<0.1
Benzo(b)fluoranthene	mg/kg	<0.1 mg/kg	7	l	3	2	0.1	4.12	1.511	2.261968833	0			4.12			0.313		<0.1
Benzo(k)fluoranthene	mg/kg	<0.1 mg/kg	10	l	3	2	0.1	3.73	1.411	2.014019116	0			3.73			0.403		<0.1
Benzo(a)pyrene	mg/kg	<0.1 mg/kg	1	l	3	2	0.1	5.88	2.164333333	3.224480785	1			5.88			0.513		<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1 mg/kg	47	l	3	2	0.1	2.87	1.073333333	1.557765494	0			2.87			0.25		<0.1
Chrysene	mg/kg	<0.1 mg/kg	9.3	l	3	2	0.1	4.47	1.705	2.404875257	0			4.47			0.545		<0.1
Fluoranthene	mg/kg	<0.1 mg/kg	670	l	3	2	0.1	8.97	3.311	4.915664045	0			8.97			0.863		<0.1
Fluorene	mg/kg	<0.1 mg/kg	780	l	3	1	0.1	0.152	0.117333333	-	0			0.152			<0.1		<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	<0.1 mg/kg	4.2	l	3	2	0.1	2.74	1.026	1.48597039	0			2.74			0.238		<0.1
Phenanthrene	mg/kg	<0.1 mg/kg	380	l	3	3	0.147	3.16	1.336	1.603733457	0			3.16			0.701		0.147
Pyrene	mg/kg	<0.1 mg/kg	1600	l	3	2	0.1	8.07	2.975333333	4.424285856	0			8.07			0.756		<0.1
Naphthalene	mg/kg	<0.1 mg/kg	8.7	l	3	0	0.1	0.1	-	-	0			<0.1			<0.1		<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1 mg/kg	0.9	l	3	1	0.1	0.549	0.249666667	-	0			0.549			<0.1		<0.1
Dibromofluoromethane**	%	%	-		3	3	86.2	104	98.06666667	10.27683479	0			104			86.2		104
Toluene-d8**	%	%	-		3	3	98.6	103	100.4	2.306512519	0			103			99.6		98.6
4-Bromofluorobenzene**	%	%	-		3	3	114	135	122.6666667	10.96965511	0			135			119		114
Dichlorodifluoromethane	mg/kg	<0.004 mg/kg	0.004		3	0	0.004	0.004	-	-	0			<0.004			<0.004		<0.004
Chloromethane	mg/kg	<0.007 mg/kg	0.013	d	3	0	0.007	0.007	-	-	0			<0.007			<0.007		<0.007
Vinyl Chloride	mg/kg	<0.01 mg/kg	0.00099	l	3	0	0.01	0.01	-	-	3			<0.01			<0.01		<0.01
Bromomethane	mg/kg	<0.013 mg/kg	0.013	x	3	0	0.013	0.013	-	-	0			<0.013			<0.013		<0.013
Chloroethane	mg/kg	<0.014 mg/kg	18	d	3	0	0.014	0.014	-	-	0			<0.014			<0.014		<0.014
Trichlorofluoromethane	mg/kg	<0.006 mg/kg	0.006	x	3	0	0.006	0.006	-	-	0			<0.006			<0.006		<0.006
1.1-Dichloroethene	mg/kg	<0.01 mg/kg	0.82	d	3	0	0.01	0.01	-	-	0			<0.01			<0.01		<0.01
Carbon Disulphide	mg/kg	<0.007 mg/kg	0.44	l	3	0	0.007	0.007	-	-	0			<0.007			<0.007		<0.007
Dichloromethane	mg/kg	<0.01 mg/kg	1.7	d	3	0	0.01	0.01	-	-	0			<0.01			<0.01		<0.01
Methyl Tertiary Butyl Ether	mg/kg	<0.011 mg/kg	160	d	3	0	0.011	0.011	-	-	0			<0.011			<0.011		<0.011
trans-1-2-Dichloroethene	mg/kg	<0.011 mg/kg	0.7	d	3	0	0.011	0.011	-	-	0			<0.011			<0.011		<0.011
1.1-Dichloroethane	mg/kg	<0.008 mg/kg	7.4	d	3	0	0.008	0.008	-	-	0			<0.008			<0.008		<0.008
cis-1-2-Dichloroethene	mg/kg	<0.005 mg/kg	0.37	d	3	0	0.005	0.005	-	-	0			<0.005			<0.005		<0.005
2.2-Dichloropropane	mg/kg	<0.012 mg/kg	0.012	x	3	0	0.012	0.012	-	-	0			<0.012			<0.012		<0.012
Bromochloromethane	mg/kg	<0.014 mg/kg	0.014	x	3	0	0.014	0.014	-	-	0			<0.014			<0.014		<0.014
Chloroform	mg/kg	<0.008 mg/kg	2.7	l	3	0	0.008	0.008	-	-	0			<0.008			<0.008		<0.008
1.1.1-Trichloroethane	mg/kg	<0.007 mg/kg	28	l	3	0	0.007	0.007	-	-	0			<0.007			<0.007		<0.007
1.1-Dichloropropene	mg/kg	<0.011 mg/kg	0.011	x	3	0	0.011	0.011	-	-	0			<0.011			<0.011		<0.011
Carbontetrachloride	mg/kg	<0.014 mg/kg	0.089	l	3	0	0.014	0.014	-	-	0			<0.014			<0.014		<0.014
1.2-Dichloroethane	mg/kg	<0.005 mg/kg	0.014	l	3	0	0.005	0.005	-	-	0			<0.005			<0.005		<0.005
Benzene	mg/kg	<0.009 mg/kg	0.33	a	3	0	0.009	0.009	-	-	0			<0.009			<0.009		<0.009
Trichloroethene	mg/kg	<0.009 mg/kg	0.49	l	3	0	0.009	0.009	-	-	0			<0.009			<0.009		<0.009
1.2-Dichloropropane	mg/kg	<0.012 mg/kg	0.084	d	3	0	0.012	0.012	-	-	0			<0.012			<0.012		<0.012
Dibromomethane	mg/kg	<0.009 mg/kg	0.009	x	3	0	0.009	0.009	-	-	0			<0.009			<0.009		<0.009
Bromodichloromethane	mg/kg	<0.007 mg/kg	0.061	d	3	0	0.007	0.007	-	-	0			<0.007			<0.007		<0.007
cis-1-3-Dichloropropene	mg/kg	<0.014 mg/kg	0.014	x	3	0	0.014	0.014	-	-	0			<0.014			<0.014		<0.014
Toluene	mg/kg	<0.005 mg/kg	610	a	3	0	0.005	0.005	-	-	0			<0.005			<0.005		<0.005
trans-1-3-Dichloropropene	mg/kg	<0.014 mg/kg	0.014	x	3	0	0.014	0.014	-	-	0			<0.014			<0.014		<0.014
1.1.2-Trichloroethane	mg/kg	<0.01 mg/kg	1	d	3	0	0.01	0.01	-	-	0			<0.01			<0.01		<0.01
1.3-Dichloropropane	mg/kg	<0.007 mg/kg	0.007	x	3	0	0.007	0.007	-	-	0			<0.007			<0.007		<0.007
Tetrachloroethene	mg/kg	<0.005 mg/kg	4.8	l	3	0	0.005	0.005	-	-	0			<0.005			<0.005		<0.005
Dibromochloromethane	mg/kg	<0.013 mg/kg	0.013	x	3	0	0.013	0.013	-	-	0			<0.013			<0.013		<0.013
1.2-Dibromoethane	mg/kg	<0.012 mg/kg	0.012	x	3	0	0.012	0.012	-	-	0			<0.012			<0.012		<0.012
Chorobenzene	mg/kg	<0.005 mg/kg	1.7	l	3	0	0.005	0.005	-	-	0			<0.005			<0.005		<0.005
1.1.1.2-Tetrachloroethane	mg/kg	<0.01 mg/kg	4.8	l	3	0	0.01	0.01	-	-	0			<0.01			<0.01		<0.01
Ethylbenzene	mg/kg	<0.004 mg/kg	350	a	3	0	0.004	0.004	-	-	0			<0.004			<0.004		<0.004
p/m-Xylene	mg/kg	<0.014 mg/kg	230	a	3	0	0.014	0.014	-	-	0			<0.014			<0.014		<0.014
o-Xylene	mg/kg	<0.01 mg/kg	230	a	3	0	0.01	0.01	-	-	0			<0.01			<0.01		<0.01
Styrene	mg/kg	<0.01 mg/kg	43	d	3	0	0.01	0.01	-	-	0			<0.01			<0.01		<0.01
Bromoform	mg/kg	<0.01 mg/kg	13	d	3	0	0.01	0.01	-	-	0			<0.01			<0.01		<0.01
Isopropylbenzene	mg/kg	<0.005 mg/kg	64	d	3	0	0.005	0.005	-	-	0			<0.005			<0.005		<0.005
1.1.2.2-Tetrachloroethane	mg/kg	<0.01 mg/kg	6.3	l	3	0	0.01	0.01	-	-	0			<0.01			<0.01		<0.01
1.2.3-Trichloropropane	mg/kg	<0.017 mg/kg	0.017	x	3	0	0.017	0.017	-	-	0			<0.017			<0.017		<0.017
Bromobenzene	mg/kg	<0.01 mg/kg	4.7	d	3	0	0.01	0.01	-	-	0			<0.01			<0.01		<0.01
Propylbenzene	mg/kg	<0.011 mg/kg	190	d	3	0	0.011	0.011	-	-	0			<0.011			<0.011		<0.011
2-Chlorotoluene	mg/kg	<0.009 mg/kg	0.009	x	3	0	0.009	0.009	-	-	0			<0.009			<0.009		<0.009
1.3.5-Trimethylbenzene	mg/kg	<0.008 mg/kg	0.008	x	3	0	0.008	0.008	-	-	0			<0.008			<0.008		<0.008
4-Chlorotoluene	mg/kg	<0.012 mg/kg	0.012	x	3	0	0.012	0.012	-	-	0			<0.012			<0.012		<0.012
tert-Butylbenzene	mg/kg	<0.012 mg/kg	0.012	x	3	0	0.012	0.012	-	-	0			<0.012			<0.012		<0.012
1.2.4-Trimethylbenzene	mg/kg	<0.009 mg/kg	2	d	3	0	0.009	0.009	-	-	0			<0.009			<0.009		<0.009
sec-Butylbenzene	mg/kg	<0.01 mg/kg	0.01	x	3	0	0.01	0.01	-	-	0			<0.01			<0.01		<0.01
4-Isopropyltoluene	mg/kg	<0.011 mg/kg	0.011	x	3	0	0.011	0.011	-	-	0			<0.011			<0.011		<0.011
1.3-Dichlorobenzene	mg/kg	<0.006 mg/kg	1.7	l	3	0	0.006	0.006	-	-	0			<0.006			<0.006		<0.006
1.4-Dichlorobenzene	mg/kg	<0.005 mg/kg	167	l	3	0	0.005	0.005	-	-	0			<0.005			<0.005		<0.005
n-Butylbenzene	mg/kg	<0.01 mg/kg	0.01	x	3	0	0.01	0.01	-	-	0			<0.01			<0.01		<0.01
1.2-Dichlorobenzene	mg/kg	<0.012 mg/kg	91	l	3	0	0.012	0.012	-	-	0			<0.012			<0.012		<0.012
1.2-Dibromo-3-chloropropane	mg/kg	<0.014 mg/kg	0.014	x	3	0	0.014	0.014	-	-	0			<0.014			<0.014		<0.014
Tert-amyl methyl ether	mg/kg	<0.015 mg/kg	0.015	x	3	0	0.015	0.015	-	-	0			<0.015			<0.015		<0.015
1.2.4-Trichlorobenzene	mg/kg	<0.006 mg/kg	11	l	3	0	0.006	0.006	-	-	0			<0.006			<0.006		<0.006
Hexachlorobutadiene	mg/kg	<0.012 mg/kg	1.2	l	3	0	0.012	0.012	-	-	0			<0.012			<0.012		<0.012
Naphthalene	mg/kg	<0.013 mg/kg	8.7	l	3	0	0.013	0.013	-	-	0			<0.013			<0.013		<0.013
1.2.3-Trichlorobenzene	mg/kg	<0.006 mg/kg	6.1	l	3	0	0.006	0.006	-	-	0			<0.006			<0.006		<0.006

Data Summary Statistics

Site:	DSDC Bicester Site E	**Project No:**	26999
Data Description:	Zone 3	**SOM (%):**	1.0%
Land Use:	Residential with Plant Uptake	**Completed By:**	RIDEJ
Receptor:	Human Health	**Checked By:**	

Assessment Criteria Key

a) 2009 SGV (Res with Plant)
b) 2009 SGV (Allotment)
c) 2009 SGV (Commercial/Industrial)
d) EIC GAC (Res with Plant)
e) EIC GAC (Res without Plant)
f) EIC GAC (Allotment)
g) EIC GAC (Commercial/Ind)
h) Entec GAC (Res with Plant)
i) Entec GAC (Res without Plant)
j) Entec GAC (Allotment)
k) Entec GAC (Commercial/Ind)
l) LQM CIEH GAC (Res with Plant)
m) LQM CIEH GAC (Res without Plant)
n) LQM CIEH GAC (Commercial/Ind)
o) Dutch Intervention values
p) Dutch Target Values
q) Soil Code: Crops for Consumption
r) Soil Code: Sensitive Species
s) Soil Code: Grazing Animals
t) Soil Code: Background
u) BRE Special Digest
v) Other Generic Criteria
w) Site Specific Assessment Criteria
x) Laboratory limit of detection
y) CLR SGV for Lead (2002)

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data						
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	WSE5 E20 0.5-0.7 Nat	WSE6 E20 2.8-3.0 Nat	WSE8 E20 0.7-0.9 Nat	WSE9 E14 1.5-1.6 Nat	WSE10 E14 3.0-3.3 Nat	WSE11 E16 0.8-1.0 Nat	WSE12 E14 2.0-2.3 Nat
Inorganics					0	0	0	0	-	-	0							
Soil Organic Matter (SOM)	%	<0.35 %	0.35		2	2	0.921	1.09	1.0055	0.119501046	2	0.921		1.09				
pH	pH Units	1 pH unit			6	6	4.23	8.31	6.866666667	1.612534237	0	7.88	5.53	7.59	4.23	8.31	7.66	
Sulphate, 2:1 water soluble	g/l	<0.003 g/l	0.003	x	6	6	0.0166	1.97	0.643633333	0.948471675	6	0.0228	1.97	0.0486	1.76	0.0438	0.0166	
Ammoniacal Nitrogen, exchangeable as NH4	mg/kg	<15 mg/kg	15	x	6	3	15	66.6	37.35	25.37004139	3	66.6	<15	47.6	<15	64.9	<15	
Boron, water soluble	mg/kg	<1 mg/kg	290	l	6	4	1	4.97	1.885	1.528145935	0	1.4	4.97	1.39	<1	1.55	<1	
Arsenic	mg/kg	<0.6 mg/kg	32	a	6	6	4.29	15.9	10.01166667	4.055289961	0	13.3	8.88	8.74	4.29	15.9	8.96	
Chromium, Hexavalent	mg/kg	<0.6 mg/kg	4.3	l	6	0	0.6	1.2	-	-	0	<0.6	<0.6	<0.6	<1.2	<0.6	<0.6	
Cadmium	mg/kg	<0.02 mg/kg	10	a	6	6	0.167	0.603	0.390666667	0.153266652	0	0.603	0.351	0.167	0.493	0.432	0.298	
Chromium	mg/kg	<0.9 mg/kg	3000	l	6	6	14.6	47.1	31.01666667	13.84101393	0	47.1	41.3	41.6	14.6	21.5	20	
Copper	mg/kg	<1.4 mg/kg	2300	l	6	6	10.8	22.2	16.08333333	4.360466336	0	16	22.2	19.3	11.7	16.5	10.8	
Lead	mg/kg	<0.7 mg/kg	450	y	6	6	7.01	21.6	13.70166667	5.066874447	0	16.7	12.9	13.7	7.01	10.3	21.6	
Mercury	mg/kg	<0.14 mg/kg	0.17	h	6	0	0.14	0.14	-	-	0	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	
Nickel	mg/kg	<0.2 mg/kg	130	a	6	6	4.71	44.4	24.61833333	14.0290419	0	33.3	29.4	20.1	4.71	44.4	15.8	
Selenium	mg/kg	<1 mg/kg	350	a	6	4	1	2.21	1.538333333	0.469953898	0	1.78	1.65	1.59	2.21	<1	<1	
Zinc	mg/kg	<1.9 mg/kg	3800	l	6	6	19.9	133	78.95	40.106396	0	97.4	133	79.5	19.9	96.4	47.5	
Asbestos Containing Material Screen					0	0	0	0	-	-	0							
Asbestos, Chrysotile (white)					0	0	0	0	-	-	0							
TPH 6 Split					0	0	0	0	-	-	0							
TPH >C6-C8	mg/kg	<10 mg/kg	73	l	5	0	10	10	-	-	0	<10	<10	<10	<10	<10		
TPH >C8-C10	mg/kg	<10 mg/kg	19	l	5	0	10	10	-	-	0	<10	<10	<10	<10	<10		
TPH >C10-C12	mg/kg	<10 mg/kg	69	l	5	0	10	10	-	-	0	<10	<10	<10	<10	<10		
TPH >C12-C16	mg/kg	<10 mg/kg	140	l	5	0	10	10	-	-	0	<10	<10	<10	<10	<10		
TPH >C16-C21	mg/kg	<10 mg/kg	250	l	5	0	10	10	-	-	0	<10	<10	<10	<10	<10		
TPH >C21-C40	mg/kg	<10 mg/kg	890	l	5	3	10	254	99.22	103.7274891	0	149	254	73.1	<10	<10		
TPH >C6-C40	mg/kg	<10 mg/kg	-		5	3	10	256	100.98	104.4277358	0	151	256	77.9	<10	<10		
Organics					0	0	0	0	-	-	0							
Acenaphthene-d10 % recovery**	%	%	-		0	0	0	0	-	-	0							
Naphthalene-d8 % recovery**	%	%	-		0	0	0	0	-	-	0							
Acenaphthene-d10 % recovery**	%	%	-		0	0	0	0	-	-	0							
Phenanthrene-d10 % recovery**	%	%	-		0	0	0	0	-	-	0							
Chrysene-d12 % recovery**	%	%	-		0	0	0	0	-	-	0							
Perylene-d12 % recovery**	%	%	-		0	0	0	0	-	-	0							
Naphthalene	mg/kg	<0.009 mg/kg	1.5	l	0	0	0	0	-	-	0							
Acenaphthylene	mg/kg	<0.012 mg/kg	170	l	0	0	0	0	-	-	0							
Acenaphthene	mg/kg	<0.008 mg/kg	210	l	0	0	0	0	-	-	0							
Fluorene	mg/kg	<0.01 mg/kg	160	l	0	0	0	0	-	-	0							
Phenanthrene	mg/kg	<0.015 mg/kg	92	l	0	0	0	0	-	-	0							
Anthracene	mg/kg	<0.016 mg/kg	2300	l	0	0	0	0	-	-	0							
Fluoranthene	mg/kg	<0.017 mg/kg	260	l	0	0	0	0	-	-	0							
Pyrene	mg/kg	<0.015 mg/kg	560	l	0	0	0	0	-	-	0							
Benz(a)anthracene	mg/kg	<0.014 mg/kg	3.1	l	0	0	0	0	-	-	0							
Chrysene	mg/kg	<0.01 mg/kg	6	l	0	0	0	0	-	-	0							
Benzo(b)fluoranthene	mg/kg	<0.015 mg/kg	5.6	l	0	0	0	0	-	-	0							
Benzo(k)fluoranthene	mg/kg	<0.014 mg/kg	8.5	l	0	0	0	0	-	-	0							
Benzo(a)pyrene	mg/kg	<0.015 mg/kg	0.83	l	0	0	0	0	-	-	0							
Indeno(1,2,3-cd)pyrene	mg/kg	<0.018 mg/kg	3.2	l	0	0	0	0	-	-	0							
Dibenzo(a,h)anthracene	mg/kg	<0.023 mg/kg	0.76	l	0	0	0	0	-	-	0							
Benzo(g,h,i)perylene	mg/kg	<0.024 mg/kg	44	l	0	0	0	0	-	-	0							
Polyaromatic hydrocarbons, Total USEPA 16	mg/kg	<0.118 mg/kg	-		0	0	0	0	-	-	0							
TPHCWG					0	0	0	0	-	-	0							
Aliphatics >C5-C6	mg/kg	<0.01 mg/kg	30	l	0	0	0	0	-	-	0							
Aliphatics >C6-C8	mg/kg	<0.01 mg/kg	73	l	0	0	0	0	-	-	0							
Aliphatics >C8-C10	mg/kg	<0.01 mg/kg	19	l	0	0	0	0	-	-	0							
Aliphatics >C10-C12	mg/kg	<0.01 mg/kg	93	l	0	0	0	0	-	-	0							
Total Aliphatics >C5-C12	mg/kg	<0.01 mg/kg	0.01	x	0	0	0	0	-	-	0							
Aromatics >C6-C7	mg/kg	<0.01 mg/kg	65	l	0	0	0	0	-	-	0							
Aromatics >C7-C8	mg/kg	<0.01 mg/kg	120	l	0	0	0	0	-	-	0							
Aromatics >EC8-EC10	mg/kg	<0.01 mg/kg	27	l	0	0	0	0	-	-	0							
Aromatics >EC10-EC12	mg/kg	<0.01 mg/kg	69	l	0	0	0	0	-	-	0							
Total Aromatics >C6-C12	mg/kg	<0.01 mg/kg	-		0	0	0	0	-	-	0							
GRO Surrogate % recovery**	%	%	-		0	0	0	0	-	-	0							
Benzene	mg/kg	<0.01 mg/kg	0.079	h	0	0	0	0	-	-	0							

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data						
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	WSE5 E20 0.5-0.7 Nat	WSE6 E20 2.8-3.0 Nat	WSE8 E20 0.7-0.9 Nat	WSE9 E14 1.5-1.6 Nat	WSE10 E14 3.0-3.3 Nat	WSE11 E16 0.8-1.0 Nat	WSE12 E14 2.0-2.3 Nat
Toluene	mg/kg	<0.002 mg/kg	120	h	0	0	0	0	-	-	0							
Ethylbenzene	mg/kg	<0.003 mg/kg	65	h	0	0	0	0	-	-	0							
m,p-Xylene	mg/kg	<0.06 mg/kg	42	h	0	0	0	0	-	-	0							
o-Xylene	mg/kg	<0.003 mg/kg	42	h	0	0	0	0	-	-	0							
m,p,o-Xylene	mg/kg	<0.01 mg/kg	42	h	0	0	0	0	-	-	0							
BTEX, Total	mg/kg	<0.01 mg/kg	0.01	x	0	0	0	0	-	-	0							
Methyl tertiary butyl ether (MTBE)	mg/kg	<0.005 mg/kg	49	d	0	0	0	0	-	-	0							
GRO >C5-C12	mg/kg	<0.044 mg/kg	0.044	x	0	0	0	0	-	-	0							
Aliphatics >C12-C16	mg/kg	<0.1 mg/kg	740	l	0	0	0	0	-	-	0							
Aliphatics >C16-C21	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
Aliphatics >C16-C35	mg/kg	<0.1 mg/kg	45000	l	0	0	0	0	-	-	0							
Aliphatics >C21-C35	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
Aliphatics >C35-C44	mg/kg	<0.1 mg/kg	45000	l	0	0	0	0	-	-	0							
Total Aliphatics >C12-C44	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
Aromatics >EC12-EC16	mg/kg	<0.1 mg/kg	140	l	0	0	0	0	-	-	0							
Aromatics >EC16-EC21	mg/kg	<0.1 mg/kg	250	l	0	0	0	0	-	-	0							
Aromatics >EC21-EC35	mg/kg	<0.1 mg/kg	890	l	0	0	0	0	-	-	0							
Aromatics >EC35-EC44	mg/kg	<0.1 mg/kg	890	l	0	0	0	0	-	-	0							
Aromatics >EC40-EC44	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
Total Aromatics >EC12-EC44	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
Total Aliphatics >C5-C44	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
Total Aromatics >C6-C44	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
Total Aliphatics & Aromatics >C5-C44	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
Total Aliphatics >C5-35	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
Total Aromatics >C5-35	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
Total Aliphatics & Aromatics >C5-35	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
Other Organics					0	0	0	0	-	-	0							
PCBs (vs Aroclor 1254)	mg/kg	<0.035 mg/kg	0.035	x	0	0	0	0	-	-	0							
Phenol	mg/kg	<0.1 mg/kg	180	h	0	0	0	0	-	-	0							
Pentachlorophenol	mg/kg	<0.1 mg/kg	0.55	l	0	0	0	0	-	-	0							
n-Nitroso-n-dipropylamine	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
Nitrobenzene	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
Isophorone	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
Hexachloroethane	mg/kg	<0.1 mg/kg	0.2	d	0	0	0	0	-	-	0							
Hexachlorocyclopentadiene	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
Hexachlorobutadiene	mg/kg	<0.1 mg/kg	0.21	l	0	0	0	0	-	-	0							
Hexachlorobenzene	mg/kg	<0.1 mg/kg	0.59	l	0	0	0	0	-	-	0							
n-Dioctyl phthalate	mg/kg	<0.1 mg/kg	2300	d	0	0	0	0	-	-	0							
Dimethyl phthalate	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
Diethyl phthalate	mg/kg	<0.1 mg/kg	120	d	0	0	0	0	-	-	0							
n-Dibutyl phthalate	mg/kg	<0.1 mg/kg	13	d	0	0	0	0	-	-	0							
Dibenzofuran	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
Carbazole	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
Butylbenzyl phthalate	mg/kg	<0.1 mg/kg	1400	d	0	0	0	0	-	-	0							
bis(2-Ethylhexyl) phthalate	mg/kg	<0.1 mg/kg	280	d	0	0	0	0	-	-	0							
bis(2-Chloroethoxy)methane	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
bis(2-Chloroethyl)ether	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
Azobenzene	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
4-Nitrophenol	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
4-Nitroaniline	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
4-Methylphenol	mg/kg	<0.1 mg/kg	80	d	0	0	0	0	-	-	0							
4-Chlorophenylphenylether	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
4-Chloroaniline	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
4-Chloro-3-methylphenol	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
4-Bromophenylphenylether	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
3-Nitroaniline	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
2-Nitrophenol	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
2-Nitroaniline	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
2-Methylphenol	mg/kg	<0.1 mg/kg	80	d	0	0	0	0	-	-	0							
1,2,4-Trichlorobenzene	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
2-Chlorophenol	mg/kg	<0.1 mg/kg	0.87	l	0	0	0	0	-	-	0							
2,6-Dinitrotoluene	mg/kg	<0.1 mg/kg	0.78	d	0	0	0	0	-	-	0							
2,4-Dinitrotoluene	mg/kg	<0.1 mg/kg	1.5	d	0	0	0	0	-	-	0							
2,4-Dimethylphenol	mg/kg	<0.1 mg/kg	19	d	0	0	0	0	-	-	0							
2,4-Dichlorophenol	mg/kg	<0.1 mg/kg	0.87	l	0	0	0	0	-	-	0							
2,4,6-Trichlorophenol	mg/kg	<0.1 mg/kg	0.87	l	0	0	0	0	-	-	0							
2,4,5-Trichlorophenol	mg/kg	<0.1 mg/kg	0.87	l	0	0	0	0	-	-	0							
1,4-Dichlorobenzene	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
1,3-Dichlorobenzene	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics: Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	Sample Identifiers and Analytical Data: WSE5	WSE6	WSE8	WSE9	WSE10	WSE11	WSE12
												E20	E20	E20	E14	E14	E16	E14
												0.5-0.7	2.8-3.0	0.7-0.9	1.5-1.6	3.0-3.3	0.8-1.0	2.0-2.3
												Nat	Nat	Nat	Nat	Nat	Nat	Nat
1,2-Dichlorobenzene	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
2-Chloronaphthalene	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
2-Methylnaphthalene	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
Acenaphthylene	mg/kg	<0.1 mg/kg	170	l	0	0	0	0	-	-	0							
Acenaphthene	mg/kg	<0.1 mg/kg	210	l	0	0	0	0	-	-	0							
Anthracene	mg/kg	<0.1 mg/kg	2300	l	0	0	0	0	-	-	0							
Benzo(a)anthracene	mg/kg	<0.1 mg/kg	3.1	l	0	0	0	0	-	-	0							
Benzo(b)fluoranthene	mg/kg	<0.1 mg/kg	5.6	l	0	0	0	0	-	-	0							
Benzo(k)fluoranthene	mg/kg	<0.1 mg/kg	8.5	l	0	0	0	0	-	-	0							
Benzo(a)pyrene	mg/kg	<0.1 mg/kg	0.83	l	0	0	0	0	-	-	0							
Benzo(g,h,i)perylene	mg/kg	<0.1 mg/kg	44	l	0	0	0	0	-	-	0							
Chrysene	mg/kg	<0.1 mg/kg	6	l	0	0	0	0	-	-	0							
Fluoranthene	mg/kg	<0.1 mg/kg	260	l	0	0	0	0	-	-	0							
Fluorene	mg/kg	<0.1 mg/kg	160	l	0	0	0	0	-	-	0							
Indeno(1,2,3-cd)pyrene	mg/kg	<0.1 mg/kg	3.2	l	0	0	0	0	-	-	0							
Phenanthrene	mg/kg	<0.1 mg/kg	92	l	0	0	0	0	-	-	0							
Pyrene	mg/kg	<0.1 mg/kg	560	l	0	0	0	0	-	-	0							
Naphthalene	mg/kg	<0.1 mg/kg	1.5	l	0	0	0	0	-	-	0							
Dibenzo(a,h)anthracene	mg/kg	<0.1 mg/kg	0.1	x	0	0	0	0	-	-	0							
Dibromofluoromethane**	%	%	-		0	0	0	0	-	-	0							
Toluene-d8**	%	%	-		0	0	0	0	-	-	0							
4-Bromofluorobenzene**	%	%	-		0	0	0	0	-	-	0							
Dichlorodifluoromethane	mg/kg	<0.004 mg/kg	0.004		0	0	0	0	-	-	0							
Chloromethane	mg/kg	<0.007 mg/kg	0.0083	d	0	0	0	0	-	-	0							
Vinyl Chloride	mg/kg	<0.01 mg/kg	0.00047	l	0	0	0	0	-	-	0							
Bromomethane	mg/kg	<0.013 mg/kg	0.013	x	0	0	0	0	-	-	0							
Chloroethane	mg/kg	<0.014 mg/kg	8.3	d	0	0	0	0	-	-	0							
Trichlorofluorormethane	mg/kg	<0.006 mg/kg	0.006	x	0	0	0	0	-	-	0							
1.1-Dichloroethene	mg/kg	<0.01 mg/kg	0.23	d	0	0	0	0	-	-	0							
Carbon Disulphide	mg/kg	<0.007 mg/kg	0.1	l	0	0	0	0	-	-	0							
Dichloromethane	mg/kg	<0.01 mg/kg	0.58	d	0	0	0	0	-	-	0							
Methyl Tertiary Butyl Ether	mg/kg	<0.011 mg/kg	49	d	0	0	0	0	-	-	0							
trans-1-2-Dichloroethene	mg/kg	<0.011 mg/kg	0.19	d	0	0	0	0	-	-	0							
1.1-Dichloroethane	mg/kg	<0.008 mg/kg	2.4	d	0	0	0	0	-	-	0							
cis-1-2-Dichloroethene	mg/kg	<0.005 mg/kg	0.11	d	0	0	0	0	-	-	0							
2.2-Dichloropropane	mg/kg	<0.012 mg/kg	0.012	x	0	0	0	0	-	-	0							
Bromochloromethane	mg/kg	<0.014 mg/kg	0.014	x	0	0	0	0	-	-	0							
Chloroform	mg/kg	<0.008 mg/kg	0.75	l	0	0	0	0	-	-	0							
1.1.1-Trichloroethane	mg/kg	<0.007 mg/kg	6.2	l	0	0	0	0	-	-	0							
1.1-Dichloropropene	mg/kg	<0.011 mg/kg	0.011	x	0	0	0	0	-	-	0							
Carbontetrachloride	mg/kg	<0.014 mg/kg	0.018	l	0	0	0	0	-	-	0							
1.2-Dichloroethane	mg/kg	<0.005 mg/kg	0.0054	l	0	0	0	0	-	-	0							
Benzene	mg/kg	<0.009 mg/kg	0.079	h	0	0	0	0	-	-	0							
Trichloroethene	mg/kg	<0.009 mg/kg	0.11	l	0	0	0	0	-	-	0							
1.2-Dichloropropane	mg/kg	<0.012 mg/kg	0.024	d	0	0	0	0	-	-	0							
Dibromomethane	mg/kg	<0.009 mg/kg	0.009	x	0	0	0	0	-	-	0							
Bromodichloromethane	mg/kg	<0.007 mg/kg	0.016	d	0	0	0	0	-	-	0							
cis-1-3-Dichloropropene	mg/kg	<0.014 mg/kg	0.014	x	0	0	0	0	-	-	0							
Toluene	mg/kg	<0.005 mg/kg	120	h	0	0	0	0	-	-	0							
trans-1-3-Dichloropropene	mg/kg	<0.014 mg/kg	0.014	x	0	0	0	0	-	-	0							
1.1.2-Trichloroethane	mg/kg	<0.01 mg/kg	0.6	d	0	0	0	0	-	-	0							
1.3-Dichloropropane	mg/kg	<0.007 mg/kg	0.007	x	0	0	0	0	-	-	0							
Tetrachloroethene	mg/kg	<0.005 mg/kg	0.94	l	0	0	0	0	-	-	0							
Dibromochloromethane	mg/kg	<0.013 mg/kg	0.013	x	0	0	0	0	-	-	0							
1.2-Dibromoethane	mg/kg	<0.012 mg/kg	0.012	x	0	0	0	0	-	-	0							
Chorobenzene	mg/kg	<0.005 mg/kg	0.33	l	0	0	0	0	-	-	0							
1.1.1.2-Tetrachloroethane	mg/kg	<0.01 mg/kg	0.9	l	0	0	0	0	-	-	0							
Ethylbenzene	mg/kg	<0.004 mg/kg	65	h	0	0	0	0	-	-	0							
p/m-Xylene	mg/kg	<0.014 mg/kg	42	h	0	0	0	0	-	-	0							
o-Xylene	mg/kg	<0.01 mg/kg	42	h	0	0	0	0	-	-	0							
Styrene	mg/kg	<0.01 mg/kg	8.1	d	0	0	0	0	-	-	0							
Bromoform	mg/kg	<0.01 mg/kg	2.8	d	0	0	0	0	-	-	0							
Isopropylbenzene	mg/kg	<0.005 mg/kg	11	d	0	0	0	0	-	-	0							
1.1.2.2-Tetrachloroethane	mg/kg	<0.01 mg/kg	1.4	l	0	0	0	0	-	-	0							
1.2.3-Trichloropropane	mg/kg	<0.017 mg/kg	0.017	x	0	0	0	0	-	-	0							
Bromobenzene	mg/kg	<0.01 mg/kg	0.87	d	0	0	0	0	-	-	0							
Propylbenzene	mg/kg	<0.011 mg/kg	34	d	0	0	0	0	-	-	0							
2-Chlorotoluene	mg/kg	<0.009 mg/kg	0.009	x	0	0	0	0	-	-	0							
1.3.5-Trimethylbenzene	mg/kg	<0.008 mg/kg	0.008	x	0	0	0	0	-	-	0							
4-Chlorotoluene	mg/kg	<0.012 mg/kg	0.012	x	0	0	0	0	-	-	0							
tert-Butylbenzene	mg/kg	<0.012 mg/kg	0.012	x	0	0	0	0	-	-	0							
1.2.4-Trimethylbenzene	mg/kg	<0.009 mg/kg	0.35	d	0	0	0	0	-	-	0							
sec-Butylbenzene	mg/kg	<0.01 mg/kg	0.01	x	0	0	0	0	-	-	0							
4-Isopropyltoluene	mg/kg	<0.011 mg/kg	0.011	x	0	0	0	0	-	-	0							
1.3-Dichlorobenzene	mg/kg	<0.006 mg/kg	0.29	l	0	0	0	0	-	-	0							
1.4-Dichlorobenzene	mg/kg	<0.005 mg/kg	30	l	0	0	0	0	-	-	0							
n-Butylbenzene	mg/kg	<0.01 mg/kg	0.01	x	0	0	0	0	-	-	0							
1.2-Dichlorobenzene	mg/kg	<0.012 mg/kg	16	l	0	0	0	0	-	-	0							
1.2-Dibromo-3-chloropropane	mg/kg	<0.014 mg/kg	0.014	x	0	0	0	0	-	-	0							
Tert-amyl methyl ether	mg/kg	<0.015 mg/kg	0.015	x	0	0	0	0	-	-	0							
1.2.4-Trichlorobenzene	mg/kg	<0.006 mg/kg	1.8	l	0	0	0	0	-	-	0							
Hexachlorobutadiene	mg/kg	<0.012 mg/kg	0.21	l	0	0	0	0	-	-	0							
Naphthalene	mg/kg	<0.013 mg/kg	0.013	x	0	0	0	0	-	-	0							
1.2.3-Trichlorobenzene	mg/kg	<0.006 mg/kg	1	l	0	0	0	0	-	-	0							

Data Summary Statistics

Site:	DSDC Bicester Site E	**Project No:**	26999
Data Description:	Zone 4	**SOM (%):**	1.0%
Land Use:	Residential with Plant Uptake	**Completed By:**	RIDEJ
Receptor:	Human Health	**Checked By:**	

Assessment Criteria Key

a) 2009 SGV (Res with Plant)
b) 2009 SGV (Allotment)
c) 2009 SGV (Commercial/Industrial)
d) EIC GAC (Res with Plant)
e) EIC GAC (Res without Plant)
f) EIC GAC (Allotment)
g) EIC GAC (Commercial/Ind)
h) Entec GAC (Res with Plant)
i) Entec GAC (Res without Plant)
j) Entec GAC (Allotment)
k) Entec GAC (Commercial/Ind)
l) LQM CIEH GAC (Res with Plant)
m) LQM CIEH GAC (Res without Plant)
n) LQM CIEH GAC (Commercial/Ind)
o) Dutch Intervention values
p) Dutch Target Values
q) Soil Code: Crops for Consumption
r) Soil Code: Sensitive Species
s) Soil Code: Grazing Animals
t) Soil Code: Background
u) BRE Special Digest
v) Other Generic Criteria
w) Site Specific Assessment Criteria
x) Laboratory limit of detection
y) CLR SGV for Lead (2002)

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics: Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	Sample Identifiers and Analytical Data: TPE1 E15 TIP 0.5 MG	TPE2 E15 TIP 0.5 MG	HDPER3 E15 TIP 0.2-0.3 MG	WSE19 E15 TIP 0.3-0.5 MG	WSE19 E15 TIP 0.6-0.7 MG	WSE20 E15 TIP 0.2-0.4 MG	WSE21 E15 TIP 0.85-0.95 MG	WSE22 E15 TIP 0.4-0.6 MG	WSE23 E15 TIP 0.7-1.0 MG
Inorganics					0	0	0	0	-	-	0									
Soil Organic Matter (SOM)	%	<0.35 %	0.35		0	0	0	0	-	-	0									
pH	pH Units	1 pH unit			9	9	7.51	8.88	8.216666667	0.461952378	0	8.46	8.64	8.05	8.64	7.51	8.13	7.81	8.88	7.83
Sulphate, 2:1 water soluble	g/l	<0.003 g/l	0.003	x	9	9	0.0255	1.35	0.395311111	0.519269026	9	1.35	0.0277	0.0255	0.113	0.654	0.0785	1.13	0.0842	0.0949
Ammoniacal Nitrogen, exchangeable as NH4	mg/kg	<15 mg/kg	15	x	9	1	15	18.6	15.4	-	1	<15	<15	<15	<15	<15	<15	<15	<15	18.6
Boron, water soluble	mg/kg	<1 mg/kg	290	l	9	6	1	3.09	1.405555556	0.664626044	0	<1	<1	1.01	1.27	3.09	1.32	<1	1.41	1.55
Arsenic	mg/kg	<0.6 mg/kg	32	a	9	9	9.13	50.3	17.46777778	12.78073724	1	11.2	9.13	18.5	18.7	50.3	9.48	14.3	12.7	12.9
Chromium, Hexavalent	mg/kg	<0.6 mg/kg	4.3	l	9	2	0.6	9.06	2.023333333	2.804041726	1	<0.6	<0.6	<3	9.06	2.55	<0.6	<0.6	<0.6	<0.6
Cadmium	mg/kg	<0.02 mg/kg	10	a	9	7	0.02	5.99	1.057888889	1.87072088	0	<0.02	<0.02	0.522	0.621	5.99	0.697	0.253	0.737	0.661
Chromium	mg/kg	<0.9 mg/kg	3000	l	9	9	14.6	92	34.36666667	24.71108051	0	14.6	15.3	33.7	32.8	92	53.2	20.6	19.8	27.3
Copper	mg/kg	<1.4 mg/kg	2300	l	9	9	12.2	36200	4093.166667	12040.40785	1	23.8	12.2	44.2	69.8	36200	313	56.3	30.4	88.8
Lead	mg/kg	<0.7 mg/kg	450	y	9	9	9.78	589	113.0311111	182.1094416	1	32.9	9.78	59.6	108	589	19.1	34.1	51.8	113
Mercury	mg/kg	<0.14 mg/kg	0.17	h	9	0	0.14	1.4	-	-	1	<0.14	<0.14	<0.14	<0.14	<1.4	<0.14	<0.14	<0.14	<0.14
Nickel	mg/kg	<0.2 mg/kg	130	a	9	9	12.9	913	125.5555556	295.4994167	1	12.9	13.9	30.5	21	913	47.6	37.1	22.7	31.3
Selenium	mg/kg	<1 mg/kg	350	a	9	3	1	10	2.213333333	2.966180204	0	<1	<1	2.6	<1	<10	1.27	<1	<1	1.05
Zinc	mg/kg	<1.9 mg/kg	3800	l	9	9	34	24200	2846.133333	8008.470031	1	74.4	34	154	319	24200	330	54.8	270	179
Asbestos Containing Material Screen					0	0	#VALUE!	#VALUE!	-	-	0		No ACM Detete	o ACM Detete	o ACM Deteted		No ACM Deteted		No ACM Detete	o ACM Deteted
Asbestos, Chrysotile (white)					0	0	0	0	-	-	0									
TPH 6 Split					0	0	0	0	-	-	0									
TPH >C6-C8	mg/kg	<10 mg/kg	73	l	4	0	10	10	-	-	0		<10	<10			<10		<10	
TPH >C8-C10	mg/kg	<10 mg/kg	19	l	4	0	10	10	-	-	0		<10	<10			<10		<10	
TPH >C10-C12	mg/kg	<10 mg/kg	69	l	4	0	10	10	-	-	0		<10	<10			<10		<10	
TPH >C12-C16	mg/kg	<10 mg/kg	140	l	4	0	10	10	-	-	0		<10	<10			<10		<10	
TPH >C16-C21	mg/kg	<10 mg/kg	250	l	4	3	10	76.5	34.45	28.98925088	0		76.5	25.3			<10		26	
TPH >C21-C40	mg/kg	<10 mg/kg	890	l	4	4	101	700	323	261.3669196	0		700	273			101		218	
TPH >C6-C40	mg/kg	<10 mg/kg	-		4	4	112	786	362	293.692583	0		786	301			112		249	
Organics					0	0	0	0	-	-	0									
Acenaphthene-d10 % recovery**	%	%	-		0	0	0	0	-	-	0									
Naphthalene-d8 % recovery**	%	%	-		3	3	96.9	98	97.26666667	0.635085296	0					96.9		96.9		98
Acenaphthene-d10 % recovery**	%	%	-		3	3	96.9	98.4	97.53333333	0.776745347	0					97.3		98.4		96.9
Phenanthrene-d10 % recovery**	%	%	-		3	3	84.8	96.7	92.46666667	6.651566232	0					95.9		84.8		96.7
Chrysene-d12 % recovery**	%	%	-		3	3	51.9	97.1	80.66666667	24.99686647	0					93		51.9		97.1
Perylene-d12 % recovery**	%	%	-		3	3	44.6	102	80.03333333	30.97907896	0					93.5		44.6		102
Naphthalene	mg/kg	<0.009 mg/kg	1.5	l	3	3	0.0621	0.204	0.135033333	0.071033114	0					0.139		0.204		0.0621
Acenaphthylene	mg/kg	<0.012 mg/kg	170	l	3	3	0.0169	0.125	0.071333333	0.054054078	0					0.0169		0.125		0.0721
Acenaphthene	mg/kg	<0.008 mg/kg	210	l	3	3	0.0688	0.143	0.108933333	0.037470166	0					0.143		0.115		0.0688
Fluorene	mg/kg	<0.01 mg/kg	160	l	3	3	0.049	0.115	0.079166667	0.033362904	0					0.115		0.0735		0.049
Phenanthrene	mg/kg	<0.015 mg/kg	92	l	3	3	0.593	1.76	1.099666667	0.598483361	0					1.76		0.593		0.946
Anthracene	mg/kg	<0.016 mg/kg	2300	l	3	3	0.124	0.344	0.261666667	0.119984721	0					0.344		0.124		0.317
Fluoranthene	mg/kg	<0.017 mg/kg	260	l	3	3	1.06	3.36	2.296666667	1.159755721	0					2.47		1.06		3.36
Pyrene	mg/kg	<0.015 mg/kg	560	l	3	3	0.865	3.04	1.991666667	1.089613846	0					2.07		0.865		3.04
Benz(a)anthracene	mg/kg	<0.014 mg/kg	3.1	l	3	3	0.421	1.9	1.130333333	0.7413436	0					1.07		0.421		1.9
Chrysene	mg/kg	<0.01 mg/kg	6	l	3	3	0.432	1.78	1.051333333	0.680618346	0					0.942		0.432		1.78
Benzo(b)fluoranthene	mg/kg	<0.015 mg/kg	5.6	l	3	3	0.765	3.28	1.791666667	1.319529588	0					1.33		0.765		3.28
Benzo(k)fluoranthene	mg/kg	<0.014 mg/kg	8.5	l	3	3	0.236	1.36	0.684666667	0.595296005	0					0.458		0.236		1.36
Benzo(a)pyrene	mg/kg	<0.015 mg/kg	0.83	l	3	3	0.406	2.96	1.465333333	1.331489892	2					1.03		0.406		2.96
Indeno(1,2,3-cd)pyrene	mg/kg	<0.018 mg/kg	3.2	l	3	3	0.199	2.33	1.027	1.142151041	0					0.552		0.199		2.33
Dibenzo(a,h)anthracene	mg/kg	<0.023 mg/kg	0.76	l	3	3	0.0695	0.503	0.2405	0.23078074	0					0.149		0.0695		0.503
Benzo(g,h,i)perylene	mg/kg	<0.024 mg/kg	44	l	3	3	0.27	2.7	1.206333333	1.307360063	0					0.649		0.27		2.7
Polyaromatic hydrocarbons, Total USEPA 16	mg/kg	<0.118 mg/kg	-		3	3	5.96	24.7	14.62	9.450354491	0					13.2		5.96		24.7
TPHCWG					0	0	0	0	-	-	0									
Aliphatics >C5-C6	mg/kg	<0.01 mg/kg	30	l	3	1	0.01	0.0117	0.010566667	-	0					<0.01		<0.01		0.0117
Aliphatics >C6-C8	mg/kg	<0.01 mg/kg	73	l	3	3	0.0115	0.0524	0.026566667	0.022475394	0					0.0524		0.0158		0.0115
Aliphatics >C8-C10	mg/kg	<0.01 mg/kg	19	l	3	1	0.01	0.0241	0.0147	-	0					0.0241		<0.01		<0.01
Aliphatics >C10-C12	mg/kg	<0.01 mg/kg	93	l	3	3	0.0198	0.209	0.087333333	0.105579228	0					0.209		0.0332		0.0198
Total Aliphatics >C5-C12	mg/kg	<0.01 mg/kg	-		3	3	0.0431	0.285	0.1257	0.137989384	0					0.285		0.049		0.0431
Aromatics >C6-C7	mg/kg	<0.01 mg/kg	65	l	3	0	0.01	0.01	-	-	0					<0.01		<0.01		<0.01
Aromatics >C7-C8	mg/kg	<0.01 mg/kg	120	l	3	0	0.01	0.01	-	-	0					<0.01		<0.01		<0.01
Aromatics >EC8-EC10	mg/kg	<0.01 mg/kg	27	l	3	1	0.01	0.0362	0.018733333	-	0					0.0362		<0.01		<0.01
Aromatics >EC10-EC12	mg/kg	<0.01 mg/kg	69	l	3	3	0.0297	0.313	0.130833333	0.158080749	0					0.313		0.0498		0.0297
Total Aromatics >C6-C12	mg/kg	<0.01 mg/kg	-		3	3	0.0297	0.349	0.142833333	0.178828195	0					0.349		0.0498		0.0297
GRO Surrogate % recovery**	%	%	-		3	3	6	34	21.33333333	14.18919777	0					24		6		34
Benzene	mg/kg	<0.01 mg/kg	0.079	h	3	0	0.01	0.01	-	-	0					<0.01		<0.01		<0.01

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data								
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	TPE1 E15 TIP 0.5 MG	TPE2 E15 TIP 0.5 MG	HDPER3 E15 TIP 0.2-0.3 MG	WSE19 E15 TIP 0.3-0.5 MG	WSE19 E15 TIP 0.6-0.7 MG	WSE20 E15 TIP 0.2-0.4 MG	WSE21 E15 TIP 0.85-0.95 MG	WSE22 E15 TIP 0.4-0.6 MG	WSE23 E15 TIP 0.7-1.0 MG
Toluene	mg/kg	<0.002 mg/kg	120	h	3	0	0.002	0.002	-	-	0					<0.002		<0.002		<0.002
Ethylbenzene	mg/kg	<0.003 mg/kg	65	h	3	0	0.003	0.003	-	-	0					<0.003		<0.003		<0.003
m,p-Xylene	mg/kg	<0.06 mg/kg	42	h	3	0	0.006	0.006	-	-	0					<0.006		<0.006		<0.006
o-Xylene	mg/kg	<0.003 mg/kg	42	h	3	0	0.003	0.003	-	-	0					<0.003		<0.003		<0.003
m,p,o-Xylene	mg/kg	<0.01 mg/kg	42	h	3	0	0.01	0.01	-	-	0					<0.01		<0.01		<0.01
BTEX, Total	mg/kg	<0.01 mg/kg	-		3	0	0.01	0.01	-	-	0					<0.01		<0.01		<0.01
Methyl tertiary butyl ether (MTBE)	mg/kg	<0.005 mg/kg	49	d	3	0	0.005	0.005	-	-	0					<0.005		<0.005		<0.005
GRO >C5-C12	mg/kg	<0.044 mg/kg	-		3	3	0.0943	0.655	0.293433333	0.313663137	0					0.655		0.131		0.0943
Aliphatics >C12-C16	mg/kg	<0.1 mg/kg	740	l	3	3	4.55	6.36	5.326666667	0.931897705	0					5.07		4.55		6.36
Aliphatics >C16-C21	mg/kg	<0.1 mg/kg	-		3	3	4.57	8.16	6.506666667	1.811693499	0					4.57		6.79		8.16
Aliphatics >C16-C35	mg/kg	<0.1 mg/kg	45000	l	3	3	40.4	69.9	51.73333333	15.89287052	0					40.4		44.9		69.9
Aliphatics >C21-C35	mg/kg	<0.1 mg/kg	-		3	3	35.8	61.8	45.23333333	14.39316968	0					35.8		38.1		61.8
Aliphatics >C35-C44	mg/kg	<0.1 mg/kg	45000	l	3	3	21.2	30.7	25.4	4.844584606	0					30.7		21.2		24.3
Total Aliphatics >C12-C44	mg/kg	<0.1 mg/kg	-		3	3	70.7	101	82.63333333	16.14197427	0					76.2		70.7		101
Aromatics >EC12-EC16	mg/kg	<0.1 mg/kg	140	l	3	2	0.1	5.36	3.23	2.768916756	0					4.23		<0.1		5.36
Aromatics >EC16-EC21	mg/kg	<0.1 mg/kg	250	l	3	3	7.1	31.9	15.67666667	14.05751163	0					8.03		7.1		31.9
Aromatics >EC21-EC35	mg/kg	<0.1 mg/kg	890	l	3	3	62.3	196	108.1666667	76.09088864	0					66.2		62.3		196
Aromatics >EC35-EC44	mg/kg	<0.1 mg/kg	890	l	3	3	51.3	92	68.7	20.98165866	0					51.3		62.8		92
Aromatics >EC40-EC44	mg/kg	<0.1 mg/kg	-		3	3	25.9	35.6	29.96666667	5.036202273	0					25.9		28.4		35.6
Total Aromatics >EC12-EC44	mg/kg	<0.1 mg/kg	-		3	3	130	326	196	112.5877436	0					130		132		326
Total Aliphatics >C5-C44	mg/kg	<0.1 mg/kg	-		3	3	70.7	101	82.73333333	16.08301381	0					76.5		70.7		101
Total Aromatics >C6-C44	mg/kg	<0.1 mg/kg	-		3	3	130	326	196	112.5877436	0					130		132		326
Total Aliphatics & Aromatics >C5-C44	mg/kg	<0.1 mg/kg	-		3	3	203	426	278.6666667	127.6100832	0					207		203		426
Total Aliphatics >C5-35	mg/kg	<0.1 mg/kg	-		3	3	45.7	76.3	57.16666667	16.67852911	0					45.7		49.5		76.3
Total Aromatics >C5-35	mg/kg	<0.1 mg/kg	-		3	3	69.4	234	127.4	92.43787103	0					78.8		69.4		234
Total Aliphatics & Aromatics >C5-35	mg/kg	<0.1 mg/kg	-		3	3	119	310	184.6666667	108.5833014	0					125		119		310
Other Organics					0	0	0	0	-	-	0									
PCBs (vs Aroclor 1254)	mg/kg	<0.035 mg/kg	0.035	x	3	0	0.035	0.035	-	-	0					<0.035		<0.035		<0.035
Phenol	mg/kg	<0.1 mg/kg	180	h	3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
Pentachlorophenol	mg/kg	<0.1 mg/kg	0.55	l	3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
n-Nitroso-n-dipropylamine	mg/kg	<0.1 mg/kg	0.1		3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
Nitrobenzene	mg/kg	<0.1 mg/kg	0.1		3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
Isophorone	mg/kg	<0.1 mg/kg	0.1		3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
Hexachloroethane	mg/kg	<0.1 mg/kg	0.2	d	3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
Hexachlorocyclopentadiene	mg/kg	<0.1 mg/kg	0.1		3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
Hexachlorobutadiene	mg/kg	<0.1 mg/kg	0.21	l	3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
Hexachlorobenzene	mg/kg	<0.1 mg/kg	0.59	l	3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
n-Dioctyl phthalate	mg/kg	<0.1 mg/kg	2300	d	3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
Dimethyl phthalate	mg/kg	<0.1 mg/kg	0.1		3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
Diethyl phthalate	mg/kg	<0.1 mg/kg	120	d	3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
n-Dibutyl phthalate	mg/kg	<0.1 mg/kg	13	d	3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
Dibenzofuran	mg/kg	<0.1 mg/kg	0.1		3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
Carbazole	mg/kg	<0.1 mg/kg	-		3	2	0.1	0.218	0.169333333	0.061654954	0					0.218		<0.1		0.19
Butylbenzyl phthalate	mg/kg	<0.1 mg/kg	1400	d	3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
bis(2-Ethylhexyl) phthalate	mg/kg	<0.1 mg/kg	280	d	3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
bis(2-Chloroethoxy)methane	mg/kg	<0.1 mg/kg	0.1		3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
bis(2-Chloroethyl)ether	mg/kg	<0.1 mg/kg	0.1		3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
Azobenzene	mg/kg	<0.1 mg/kg	0.1		3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
4-Nitrophenol	mg/kg	<0.1 mg/kg	0.1		3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
4-Nitroaniline	mg/kg	<0.1 mg/kg	0.1		3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
4-Methylphenol	mg/kg	<0.1 mg/kg	80	d	3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
4-Chlorophenylphenylether	mg/kg	<0.1 mg/kg	0.1		3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
4-Chloroaniline	mg/kg	<0.1 mg/kg	0.1		3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
4-Chloro-3-methylphenol	mg/kg	<0.1 mg/kg	0.1		3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
4-Bromophenylphenylether	mg/kg	<0.1 mg/kg	0.1		3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
3-Nitroaniline	mg/kg	<0.1 mg/kg	0.1		3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
2-Nitrophenol	mg/kg	<0.1 mg/kg	0.1		3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
2-Nitroaniline	mg/kg	<0.1 mg/kg	0.1		3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
2-Methylphenol	mg/kg	<0.1 mg/kg	80	d	3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
1,2,4-Trichlorobenzene	mg/kg	<0.1 mg/kg	0.1		3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
2-Chlorophenol	mg/kg	<0.1 mg/kg	0.87	l	3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
2,6-Dinitrotoluene	mg/kg	<0.1 mg/kg	0.78	d	3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
2,4-Dinitrotoluene	mg/kg	<0.1 mg/kg	1.5	d	3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
2,4-Dimethylphenol	mg/kg	<0.1 mg/kg	19	d	3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
2,4-Dichlorophenol	mg/kg	<0.1 mg/kg	0.87	l	3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
2,4,6-Trichlorophenol	mg/kg	<0.1 mg/kg	0.87	l	3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
2,4,5-Trichlorophenol	mg/kg	<0.1 mg/kg	0.87	l	3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
1,4-Dichlorobenzene	mg/kg	<0.1 mg/kg	0.1		3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
1,3-Dichlorobenzene	mg/kg	<0.1 mg/kg	0.1		3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data								
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	TPE1 E15 TIP 0.5 MG	TPE2 E15 TIP 0.5 MG	HDPER3 E15 TIP 0.2-0.3 MG	WSE19 E15 TIP 0.3-0.5 MG	WSE19 E15 TIP 0.6-0.7 MG	WSE20 E15 TIP 0.2-0.4 MG	WSE21 E15 TIP 0.85-0.95 MG	WSE22 E15 TIP 0.4-0.6 MG	WSE23 E15 TIP 0.7-1.0 MG
1,2-Dichlorobenzene	mg/kg	<0.1 mg/kg	0.1		3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
2-Chloronaphthalene	mg/kg	<0.1 mg/kg	0.1		3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
2-Methylnaphthalene	mg/kg	<0.1 mg/kg	0.1		3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
Acenaphthylene	mg/kg	<0.1 mg/kg	170	l	3	0	0.1	0.1	-	-	0					<0.1		<0.1		<0.1
Acenaphthene	mg/kg	<0.1 mg/kg	210	l	3	1	0.1	0.156	0.118666667	-	0					0.156		<0.1		<0.1
Anthracene	mg/kg	<0.1 mg/kg	2300	l	3	2	0.1	0.356	0.261333333	0.140418422	0					0.356		<0.1		0.328
Benzo(a)anthracene	mg/kg	<0.1 mg/kg	3.1	l	3	3	0.253	2.24	1.118333333	1.017999181	0					0.862		0.253		2.24
Benzo(b)fluoranthene	mg/kg	<0.1 mg/kg	5.6	l	3	3	0.521	3.88	1.743333333	1.856804872	0					0.829		0.521		3.88
Benzo(k)fluoranthene	mg/kg	<0.1 mg/kg	8.5	l	3	3	0.345	2.46	1.14	1.151097303	0					0.615		0.345		2.46
Benzo(a)pyrene	mg/kg	<0.1 mg/kg	0.83	l	3	3	0.568	4.4	2.026	2.073728044	2					1.11		0.568		4.4
Benzo(g,h,i)perylene	mg/kg	<0.1 mg/kg	44	l	3	3	0.542	3.16	1.43	1.498400481	0					0.588		0.542		3.16
Chrysene	mg/kg	<0.1 mg/kg	6	l	3	3	0.328	2.77	1.357	1.26547738	0					0.973		0.328		2.77
Fluoranthene	mg/kg	<0.1 mg/kg	260	l	3	3	0.441	4.55	2.370333333	2.065906661	0					2.12		0.441		4.55
Fluorene	mg/kg	<0.1 mg/kg	160	l	3	1	0.1	0.122	0.107333333	-	0					0.122		<0.1		<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	<0.1 mg/kg	3.2	l	3	3	0.52	3.27	1.457333333	1.570121439	1					0.582		0.52		3.27
Phenanthrene	mg/kg	<0.1 mg/kg	92	l	3	3	0.179	1.74	1.076333333	0.8063066	0					1.74		0.179		1.31
Pyrene	mg/kg	<0.1 mg/kg	560	l	3	3	0.432	4.39	2.240666667	2.000870144	0					1.9		0.432		4.39
Naphthalene	mg/kg	<0.1 mg/kg	1.5	l	3	1	0.1	0.148	0.116	-	0					0.148		<0.1		<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1 mg/kg	-		3	2	0.1	0.631	0.284	0.300694197	0					0.121		<0.1		0.631
Dibromofluoromethane**	%	%	-		3	3	46.8	109	85.6	33.83903072	0					46.8		101		109
Toluene-d8**	%	%	-		3	3	99.8	101	100.2333333	0.665832812	0					99.8		99.9		101
4-Bromofluorobenzene**	%	%	-		3	3	112	138	129	14.73091986	0					138		137		112
Dichlorodifluoromethane	mg/kg	<0.004 mg/kg	-		3	0	0.004	0.08	-	-	0					<0.004		<0.04		<0.08
Chloromethane	mg/kg	<0.007 mg/kg	0.0083	d	3	0	0.007	0.14	-	-	2					<0.007		<0.07		<0.14
Vinyl Chloride	mg/kg	<0.01 mg/kg	0.00047	l	3	0	0.01	0.2	-	-	3					<0.01		<0.1		<0.2
Bromomethane	mg/kg	<0.013 mg/kg	-		3	0	0.013	0.26	-	-	0					<0.013		<0.13		<0.26
Chloroethane	mg/kg	<0.014 mg/kg	8.3	d	3	0	0.014	0.28	-	-	0					<0.014		<0.14		<0.28
Trichlorofluoromethane	mg/kg	<0.006 mg/kg	-		3	0	0.006	0.12	-	-	0					<0.006		<0.06		<0.12
1.1-Dichloroethene	mg/kg	<0.01 mg/kg	0.23	d	3	0	0.01	0.2	-	-	0					<0.01		<0.1		<0.2
Carbon Disulphide	mg/kg	<0.007 mg/kg	0.1	l	3	0	0.007	0.14	-	-	1					<0.007		<0.07		<0.14
Dichloromethane	mg/kg	<0.01 mg/kg	0.58	d	3	0	0.01	0.2	-	-	0					<0.01		<0.1		<0.2
Methyl Tertiary Butyl Ether	mg/kg	<0.011 mg/kg	49	d	3	0	0.011	0.22	-	-	0					<0.011		<0.11		<0.22
trans-1-2-Dichloroethene	mg/kg	<0.011 mg/kg	0.19	d	3	0	0.011	0.22	-	-	1					<0.011		<0.11		<0.22
1.1-Dichloroethane	mg/kg	<0.008 mg/kg	2.4	d	3	0	0.008	0.16	-	-	0					<0.008		<0.08		<0.16
cis-1-2-Dichloroethene	mg/kg	<0.005 mg/kg	0.11	d	3	0	0.005	0.1	-	-	0					<0.005		<0.05		<0.1
2.2-Dichloropropane	mg/kg	<0.012 mg/kg	-		3	0	0.012	0.24	-	-	0					<0.012		<0.12		<0.24
Bromochloromethane	mg/kg	<0.014 mg/kg	-		3	0	0.014	0.28	-	-	0					<0.014		<0.14		<0.28
Chloroform	mg/kg	<0.008 mg/kg	0.75	l	3	0	0.008	0.16	-	-	0					<0.008		<0.08		<0.16
1.1.1-Trichloroethane	mg/kg	<0.007 mg/kg	6.2	l	3	0	0.007	0.14	-	-	0					<0.007		<0.07		<0.14
1.1-Dichloropropene	mg/kg	<0.011 mg/kg	-		3	0	0.011	0.22	-	-	0					<0.011		<0.11		<0.22
Carbontetrachloride	mg/kg	<0.014 mg/kg	0.018	l	3	0	0.014	0.28	-	-	2					<0.014		<0.14		<0.28
1.2-Dichloroethane	mg/kg	<0.005 mg/kg	0.0054	l	3	0	0.005	0.1	-	-	2					<0.005		<0.05		<0.1
Benzene	mg/kg	<0.009 mg/kg	0.079	h	3	0	0.009	0.18	-	-	2					<0.009		<0.09		<0.18
Trichloroethene	mg/kg	<0.009 mg/kg	0.11	l	3	2	0.0719	0.248	0.166633333	0.088807676	2					0.0719		0.248		<0.18
1.2-Dichloropropane	mg/kg	<0.012 mg/kg	0.024	d	3	0	0.012	0.24	-	-	2					<0.012		<0.12		<0.24
Dibromomethane	mg/kg	<0.009 mg/kg	-		3	0	0.009	0.18	-	-	0					<0.009		<0.09		<0.18
Bromodichloromethane	mg/kg	<0.007 mg/kg	0.016	d	3	0	0.007	0.14	-	-	2					<0.007		<0.07		<0.14
cis-1-3-Dichloropropene	mg/kg	<0.014 mg/kg	-		3	0	0.014	0.28	-	-	0					<0.014		<0.14		<0.28
Toluene	mg/kg	<0.005 mg/kg	120	h	3	0	0.005	0.1	-	-	0					<0.005		<0.05		<0.1
trans-1-3-Dichloropropene	mg/kg	<0.014 mg/kg	-		3	0	0.014	0.28	-	-	0					<0.014		<0.14		<0.28
1.1.2-Trichloroethane	mg/kg	<0.01 mg/kg	0.6	d	3	0	0.01	0.2	-	-	0					<0.01		<0.1		<0.2
1.3-Dichloropropane	mg/kg	<0.007 mg/kg	-		3	0	0.007	0.14	-	-	0					<0.007		<0.07		<0.14
Tetrachloroethene	mg/kg	<0.005 mg/kg	0.94	l	3	0	0.005	0.1	-	-	0					<0.005		<0.05		<0.1
Dibromochloromethane	mg/kg	<0.013 mg/kg	-		3	0	0.013	0.26	-	-	0					<0.013		<0.13		<0.26
1.2-Dibromoethane	mg/kg	<0.012 mg/kg	-		3	0	0.012	0.24	-	-	0					<0.012		<0.12		<0.24
Chorobenzene	mg/kg	<0.005 mg/kg	0.33	l	3	0	0.005	0.1	-	-	0					<0.005		<0.05		<0.1
1.1.1.2-Tetrachloroethane	mg/kg	<0.01 mg/kg	0.9	l	3	0	0.01	0.2	-	-	0					<0.01		<0.1		<0.2
Ethylbenzene	mg/kg	<0.004 mg/kg	65	h	3	2	0.00573	0.111	0.052243333	0.053692342	0					0.00573		<0.04		0.111
p/m-Xylene	mg/kg	<0.014 mg/kg	42	h	3	1	0.014	0.552	0.235333333	-	0					<0.014		<0.14		0.552
o-Xylene	mg/kg	<0.01 mg/kg	42	h	3	1	0.01	0.396	0.168666667	-	0					<0.01		<0.1		0.396
Styrene	mg/kg	<0.01 mg/kg	8.1	d	3	0	0.01	0.2	-	-	0					<0.01		<0.1		<0.2
Bromoform	mg/kg	<0.01 mg/kg	2.8	d	3	0	0.01	0.2	-	-	0					<0.01		<0.1		<0.2
Isopropylbenzene	mg/kg	<0.005 mg/kg	11	d	3	0	0.005	0.1	-	-	0					<0.005		<0.05		<0.1
1.1.2.2-Tetrachloroethane	mg/kg	<0.01 mg/kg	1.4	l	3	0	0.01	0.2	-	-	0					<0.01		<0.1		<0.2
1.2.3-Trichloropropane	mg/kg	<0.017 mg/kg	-		3	0	0.017	0.34	-	-	0					<0.017		<0.17		<0.34
Bromobenzene	mg/kg	<0.01 mg/kg	0.87	d	3	0	0.01	0.2	-	-	0					<0.01		<0.1		<0.2
Propylbenzene	mg/kg	<0.011 mg/kg	34	d	3	0	0.011	0.22	-	-	0					<0.011		<0.11		<0.22
2-Chlorotoluene	mg/kg	<0.009 mg/kg	-		3	0	0.009	0.18	-	-	0					<0.009		<0.09		<0.18
1.3.5-Trimethylbenzene	mg/kg	<0.008 mg/kg	-		3	0	0.008	0.16	-	-	0					<0.008		<0.08		<0.16
4-Chlorotoluene	mg/kg	<0.012 mg/kg	-		3	0	0.012	0.24	-	-	0					<0.012		<0.12		<0.24
tert-Butylbenzene	mg/kg	<0.012 mg/kg	-		3	0	0.012	0.24	-	-	0					<0.012		<0.12		<0.24
1.2.4-Trimethylbenzene	mg/kg	<0.009 mg/kg	0.35	d	3	0	0.009	0.18	-	-	0					<0.009		<0.09		<0.18
sec-Butylbenzene	mg/kg	<0.01 mg/kg	-		3	0	0.01	0.2	-	-	0					<0.01		<0.1		<0.2
4-Isopropyltoluene	mg/kg	<0.011 mg/kg	-		3	0	0.011	0.22	-	-	0					<0.011		<0.11		<0.22
1.3-Dichlorobenzene	mg/kg	<0.006 mg/kg	0.29	l	3	0	0.006	0.12	-	-	0					<0.006		<0.06		<0.12
1.4-Dichlorobenzene	mg/kg	<0.005 mg/kg	30	l	3	0	0.005	0.1	-	-	0					<0.005		<0.05		<0.1
n-Butylbenzene	mg/kg	<0.01 mg/kg	-		3	0	0.01	0.2	-	-	0					<0.01		<0.1		<0.2
1.2-Dichlorobenzene	mg/kg	<0.012 mg/kg	16	l	3	0	0.012	0.24	-	-	0					<0.012		<0.12		<0.24
1.2-Dibromo-3-chloropropane	mg/kg	<0.014 mg/kg	-		3	0	0.014	0.28	-	-	0					<0.014		<0.14		<0.28
Tert-amyl methyl ether	mg/kg	<0.015 mg/kg	-		3	0	0.015	0.3	-	-	0					<0.015		<0.15		<0.3
1.2.4-Trichlorobenzene	mg/kg	<0.006 mg/kg	1.8	l	3	0	0.006	0.12	-	-	0					<0.006		<0.06		<0.12
Hexachlorobutadiene	mg/kg	<0.012 mg/kg	0.21	l	3	0	0.012	0.24	-	-	1					<0.012		<0.12		<0.24
Naphthalene	mg/kg	<0.013 mg/kg	-		3	0	0.013	0.26	-	-	0					<0.013		<0.13		<0.26
1.2.3-Trichlorobenzene	mg/kg	<0.006 mg/kg	1	l	3	0	0.006	0.12	-	-	0					<0.006		<0.06		<0.12

Data Summary Statistics

Site:	DSDC Bicester Site E	**Project No:**	26999
Data Description:	Zone 4	**SOM (%):**	3.0%
Land Use:	Residential with Plant Uptake	**Completed By:**	RIDEJ
Receptor:	Human Health	**Checked By:**	

Assessment Criteria Key

a) 2009 SGV (Res with Plant)
b) 2009 SGV (Allotment)
c) 2009 SGV (Commercial/Industrial)
d) EIC GAC (Res with Plant)
e) EIC GAC (Res without Plant)
f) EIC GAC (Allotment)
g) EIC GAC (Commercial/Ind)
h) Entec GAC (Res with Plant)
i) Entec GAC (Res without Plant)
j) Entec GAC (Allotment)
k) Entec GAC (Commercial/Ind)
l) LQM CIEH GAC (Res with Plant)
m) LQM CIEH GAC (Res without Plant)
n) LQM CIEH GAC (Commercial/Ind)
o) Dutch Intervention values
p) Dutch Target Values
q) Soil Code: Crops for Consumption
r) Soil Code: Sensitive Species
s) Soil Code: Grazing Animals
t) Soil Code: Background
u) BRE Special Digest
v) Other Generic Criteria
w) Site Specific Assessment Criteria
x) Laboratory limit of detection
y) CLR SGV for Lead (2002)

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data		
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	TPE2	WSE20	WSE23
												E15 TIP	E15 TIP	E15 TIP
												1.8	3.4-3.6	1.2-1.4
												Nat	Nat	Nat
Inorganics					0	0	0	0	-	-	0			
Soil Organic Matter (SOM)	%	<0.35 %	0.35		1	1	3.02	3.02	3.02	-	1			3.02
pH	pH Units	1 pH unit			3	3	7.33	8.66	7.806666667	0.740697869	0	7.43	8.66	7.33
Sulphate, 2:1 water soluble	g/l	<0.003 g/l	0.003		3	3	0.0331	0.214	0.108166667	0.094292859	3	0.214	0.0331	0.0774
Ammoniacal Nitrogen, exchangeable as NH4	mg/kg	<15 mg/kg	15		3	0	15	15	-	-	0	<15	<15	<15
Boron, water soluble	mg/kg	<1 mg/kg	290	l	3	2	1	1.38	1.233333333	0.204287379	0	1.38	<1	1.32
Arsenic	mg/kg	<0.6 mg/kg	32	a	3	3	3.38	10.2	7.35	3.545264447	0	10.2	3.38	8.47
Chromium, Hexavalent	mg/kg	<0.6 mg/kg	4.3	l	3	0	0.6	1.2	-	-	0	<0.6	<0.6	<1.2
Cadmium	mg/kg	<0.02 mg/kg	10	a	3	2	0.02	0.339	0.154	0.165502266	0	<0.02	0.103	0.339
Chromium	mg/kg	<0.9 mg/kg	3000	l	3	3	2.81	26.4	18.03666667	13.20799127	0	26.4	2.81	24.9
Copper	mg/kg	<1.4 mg/kg	2300	l	3	3	2.35	21.7	12.65	9.735373645	0	21.7	2.35	13.9
Lead	mg/kg	<0.7 mg/kg	450	y	3	3	1.76	103	42.55333333	53.40481751	0	103	1.76	22.9
Mercury	mg/kg	<0.14 mg/kg	0.51	h	3	0	0.14	0.14	-	-	0	<0.14	<0.14	<0.14
Nickel	mg/kg	<0.2 mg/kg	130	a	3	3	4.08	21.4	14.62666667	9.256032267	0	21.4	4.08	18.4
Selenium	mg/kg	<1 mg/kg	350	a	3	0	1	1	-	-	0	<1	<1	<1
Zinc	mg/kg	<1.9 mg/kg	3800	l	3	3	10.4	70.8	48.46666667	33.13145535	0	70.8	10.4	64.2
Asbestos Containing Material Screen					0	0	0	0	-	-	0			
Asbestos, Chrysotile (white)					0	0	0	0	-	-	0			
TPH 6 Split					0	0	0	0	-	-	0			
TPH >C6-C8	mg/kg	<10 mg/kg	190	h	1	0	10	10	-	-	0			<10
TPH >C8-C10	mg/kg	<10 mg/kg	55	h	1	0	10	10	-	-	0			<10
TPH >C10-C12	mg/kg	<10 mg/kg	190	h	1	0	10	10	-	-	0			<10
TPH >C12-C16	mg/kg	<10 mg/kg	360	h	1	0	10	10	-	-	0			<10
TPH >C16-C21	mg/kg	<10 mg/kg	540	h	1	1	12.6	12.6	12.6	-	0			12.6
TPH >C21-C40	mg/kg	<10 mg/kg	1100	h	1	1	147	147	147	-	0			147
TPH >C6-C40	mg/kg	<10 mg/kg	-		1	1	165	165	165	-	0			165

Data Summary Statistics

Site:	DSDC Bicester Site E	**Project No:**	26999
Data Description:	Zone 5	**SOM (%):**	1.0%
Land Use:	Residential with Plant Uptake	**Completed By:**	RIDEJ
Receptor:	Human Health	**Checked By:**	

Assessment Criteria Key

a) 2009 SGV (Res with Plant)
b) 2009 SGV (Allotment)
c) 2009 SGV (Commercial/Industrial)
d) EIC GAC (Res with Plant)
e) EIC GAC (Res without Plant)
f) EIC GAC (Allotment)
g) EIC GAC (Commercial/Ind)
h) Entec GAC (Res with Plant)
i) Entec GAC (Res without Plant)
j) Entec GAC (Allotment)
k) Entec GAC (Commercial/Ind)
l) LQM CIEH GAC (Res with Plant)
m) LQM CIEH GAC (Res without Plant)
n) LQM CIEH GAC (Commercial/Ind)
o) Dutch Intervention values
p) Dutch Target Values
q) Soil Code: Crops for Consumption
r) Soil Code: Sensitive Species
s) Soil Code: Grazing Animals
t) Soil Code: Background
u) BRE Special Digest
v) Other Generic Criteria
w) Site Specific Assessment Criteria
x) Laboratory limit of detection
y) CLR SGV for Lead (2002)

Contaminant	Units	Method Detection Limit	Assess-ment Criteria (AC)	Source (see key)	Summary Statistics							Sample Identifiers and Analytical Data					
					Total Number of Samples	Results Above Detection Limit	Minimum	Maximum	Arithmetic Mean	Standard Deviation	Number of results >AC	WSE24	WSE24	WSE25	WSE26	WSE26	
												NW Boundary	NW Boundary	NW Boundary	NW Boundary	NW Boundary	
												0.3-0.5	4.4-4.5	0.2-0.5	0.1-0.3	2.0-2.3	
												Nat	Nat	Nat	Nat	Nat	
Inorganics					0	0	0	0	-	-	0						
Soil Organic Matter (SOM)	%	<0.35 %	0.35		2	2	1.16	2.24	1.7	0.763675324	2			1.16		2.24	
pH	pH Units	1 pH unit			5	5	5.28	8.03	7.094	1.111588953	0	6.92	8.03	7.31	7.93	5.28	
Sulphate, 2:1 water soluble	g/l	<0.003 g/l	0.003	x	5	5	0.0161	1.52	0.40768	0.646907255	5	0.0463	0.438	0.0161	0.018	1.52	
Ammoniacal Nitrogen, exchangeable as NH4	mg/kg	<15 mg/kg	15	x	5	2	15	22.2	17.08	3.179937106	2	<15	<15	18.2	<15	22.2	
Boron, water soluble	mg/kg	<1 mg/kg	290	l	5	2	1	6.61	2.21	2.467042764	0	<1	6.61	<1	<1	1.44	
Arsenic	mg/kg	<0.6 mg/kg	32	a	5	5	3.03	11.8	8.252	3.276907078	0	9.59	7.63	9.21	11.8	3.03	
Chromium, Hexavalent	mg/kg	<0.6 mg/kg	4.3	l	5	0	0.6	1.2	-	-	0	<0.6	<0.6	<1.2	<0.6	<1.2	
Cadmium	mg/kg	<0.02 mg/kg	10	a	5	5	0.154	1.67	0.5784	0.630285094	0	0.297	0.207	0.564	1.67	0.154	
Chromium	mg/kg	<0.9 mg/kg	3000	l	5	5	12.7	34.4	27.24	8.400773774	0	29.8	12.7	30.5	34.4	28.8	
Copper	mg/kg	<1.4 mg/kg	2300	l	5	5	8	19.4	15.4	5.086747487	0	19.4	8	12.2	19.3	18.1	
Lead	mg/kg	<0.7 mg/kg	450	y	5	5	6.59	25.8	15.778	6.986624364	0	25.8	6.59	16.7	16.9	12.9	
Mercury	mg/kg	<0.14 mg/kg	0.17	h	5	0	0.14	0.14	-	-	0	<0.14	<0.14	<0.14	<0.14	<0.14	
Nickel	mg/kg	<0.2 mg/kg	130	a	5	5	10	85.8	34.5	30.41315505	0	19	19.8	37.9	85.8	10	
Selenium	mg/kg	<1 mg/kg	350	a	5	4	1	1.96	1.306	0.402777854	0	1.09	<1	1.05	1.96	1.43	
Zinc	mg/kg	<1.9 mg/kg	3800	l	5	5	24.2	116	69.72	42.55275549	0	104	24.2	77.1	116	27.3	
Asbestos Containing Material Screen					0	0	0	0	-	-	0						
Asbestos, Chrysotile (white)					0	0	0	0	-	-	0						
TPH 6 Split					0	0	0	0	-	-	0						
TPH >C6-C8	mg/kg	<10 mg/kg	73	l	4	0	10	10	-	-	0	<10	<10		<10	<10	
TPH >C8-C10	mg/kg	<10 mg/kg	19	l	4	0	10	10	-	-	0	<10	<10		<10	<10	
TPH >C10-C12	mg/kg	<10 mg/kg	69	l	4	0	10	10	-	-	0	<10	<10		<10	<10	
TPH >C12-C16	mg/kg	<10 mg/kg	140	l	4	0	10	10	-	-	0	<10	<10		<10	<10	
TPH >C16-C21	mg/kg	<10 mg/kg	250	l	4	0	10	10	-	-	0	<10	<10		<10	<10	
TPH >C21-C40	mg/kg	<10 mg/kg	890	l	4	4	111	187	143.75	35.39656292	0	187	111		119	158	
TPH >C6-C40	mg/kg	<10 mg/kg	-		4	4	119	199	152.75	38.56055843	0	199	119		123	170	

Annex E
Laboratory Analysis Certificates

369 Pages

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ALcontrol Laboratories

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Entec UK Ltd
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SY2 5DE

Attention: Steve Dooley

CERTIFICATE OF ANALYSIS

Date:	23 July 2010		
Customer:	H_ENTEC_SHW-24		
Sample Delivery Group (SDG):	100715-42	**Report No.:**	91349
Your Reference:	26999		
Location:	KL056 DSDC Bicester		

We received 30 samples on Thursday July 15, 2010 and 30 of these samples were scheduled for analysis which was completed on Friday July 23, 2010. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

All chemical testing (unless subcontracted) is performed at ALcontrol Hawarden Laboratories.

Asbestos testing - we are not accredited for screening soil samples for asbestos fibres. We are only accredited to identify asbestos fibres in bulk material (ACM).

Approved By:

Iain Swinton

Operations Director - Land UK & Ireland

ALcontrol Laboratories is a trading division of ALcontrol UK Limited
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Validated

ALcontrol Laboratories Analytical Services

SDG:	100715-42	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91349

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Sampled Date
1822748	BH01	0.70 - 0.90	13/07/2010
1822829	BH01	1.60 - 2.00	13/07/2010
1822729	BH01	3.60 - 3.80	13/07/2010
1822510	TPD10	0.20 - 0.30	13/07/2010
1822602	TPD10	0.50 - 0.60	13/07/2010
1822579	TPD10	1.00 - 1.10	13/07/2010
1822491	TPD10	2.60 - 2.70	13/07/2010
1822592	TPD10	2.90 - 3.00	13/07/2010
1822471	TPD4	0.00 - 0.10	13/07/2010
1822422	TPD4	0.50 - 0.60	13/07/2010
1823171	TPD4	2.80 - 2.90	13/07/2010
1822653	TPD7	0.30 - 0.40	13/07/2010
1822849	TPD7	1.10 - 1.20	13/07/2010
1822792	TPD7	2.10 - 2.20	13/07/2010
1823119	TPD8	0.40 - 0.50	13/07/2010
1822842	TPD8	1.10 - 1.20	13/07/2010
1823129	TPD8	2.50 - 2.60	13/07/2010
1822781	TPD8	2.80 - 2.90	13/07/2010
1822969	TPD9	0.20 - 0.30	13/07/2010
1822414	TPD9	1.00 - 1.10	13/07/2010
1822480	TPD9	3.90 - 4.00	13/07/2010
1822872	WSD14	0.50 - 0.50	13/07/2010
1822803	WSD14	3.00 - 3.20	13/07/2010
1823416	WSD15	0.40 - 0.50	13/07/2010
1822813	WSD15	3.00 - 3.40	13/07/2010
1822855	WSE15	0.30 - 0.40	13/07/2010
1823628	WSE15	1.80 - 2.00	13/07/2010
1822986	WSE16	0.50 - 0.60	13/07/2010
1823508	WSE16	1.20 - 1.40	13/07/2010
1823615	WSE9	0.50 - 0.60	13/07/2010

Only received samples which have had analysis scheduled will be shown on the following pages.

Validated

ALcontrol Laboratories Analytical Services

SDG: 100715-42
Job: H_ENTEC_SHW-24
Client Reference: 26999
Location: KL056 DSDC Bicester
Customer: Entec UK Ltd
Attention: Steve Dooley
Order No.:
Report No: 91349

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)		1822414		1822422		1822471		1822480		1822491		1822510		1822579		1822592		1822602		1822653	
Customer Sample Ref.		TPD9		TPD4		TPD4		TPD9		TPD10		TPD10		TPD10		TPD10		TPD10		TPD7	
Depth (m)		1.00 - 1.10		0.50 - 0.60		0.00 - 0.10		3.90 - 4.00		2.60 - 2.70		0.20 - 0.30		1.00 - 1.10		2.90 - 3.00		0.50 - 0.60		0.30 - 0.40	
Container		250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub
Ammonium Soil by Titration	All		X		X		X						X		X						
Asbestos Containing Material Screen	All		X										X								
Boron Water Soluble	All	X		X		X						X		X							
EPH CWG (Aliphatic) GC (S)	All																				
EPH CWG (Aromatic) GC (S)	All																				
GRO BTEX MTBE GC (S)	All																				
Hexavalent Chromium (s)	All		X		X		X		X		X		X		X		X		X		X
Metals by iCap-OES (Soil)	Arsenic	X		X		X						X		X							
	Cadmium	X		X		X						X		X							
	Chromium	X		X		X						X		X							
	Copper	X		X		X						X		X							
	Lead	X		X		X						X		X							
	Mercury	X		X		X						X		X							
	Nickel	X		X		X						X		X							
	Selenium	X		X		X						X		X							
	Zinc	X		X		X						X		X							
PAH by GCMS	All																				
PCBs (vs Aroclor 1254)	All																				
pH	All		X		X		X						X		X						
Sample description	All	X		X		X		X		X		X		X		X		X		X	
Semi Volatile Organic Compounds	All																				
Total Organic Carbon	All			X																	
TPH c6-40 Value of soil	All													X							

Lab Sample No(s)		1822729			1822748		1822781		1822792		1822803		1822813		1822829		1822842		1822849		1822855		1822872	
Customer Sample Ref.		BH01			BH01		TPD8		TPD7		WSD14		WSD15		BH01		TPD8		TPD7		WSE15		WSD14	
Depth (m)		3.60 - 3.80			0.70 - 0.90		2.80 - 2.90		2.10 - 2.20		3.00 - 3.20		3.00 - 3.40		1.60 - 2.00		1.10 - 1.20		1.10 - 1.20		0.30 - 0.40		0.50 - 0.50	
Container		250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub
Ammonium Soil by Titration	All		X			X		X		X		X				X		X		X		X		X
Asbestos Containing Material Screen	All																	X						
Boron Water Soluble	All	X			X		X		X		X				X		X		X		X		X	
EPH CWG (Aliphatic) GC (S)	All	X																						
EPH CWG (Aromatic) GC (S)	All	X																						
GRO BTEX MTBE GC (S)	All			X																				
Hexavalent Chromium (s)	All		X			X		X		X		X		X		X		X		X		X		X
Metals by iCap-OES (Soil)	Arsenic	X			X		X		X		X				X		X		X		X		X	
	Cadmium	X			X		X		X		X				X		X		X		X		X	
	Chromium	X			X		X		X		X				X		X		X		X		X	
	Copper	X			X		X		X		X				X		X		X		X		X	
	Lead	X			X		X		X		X				X		X		X		X		X	
	Mercury	X			X		X		X		X				X		X		X		X		X	
	Nickel	X			X		X		X		X				X		X		X		X		X	
	Selenium	X			X		X		X		X				X		X		X		X		X	
	Zinc	X			X		X		X		X				X		X		X		X		X	
PAH by GCMS	All	X																						
PCBs (vs Aroclor 1254)	All	X																						
pH	All		X			X		X		X		X				X		X		X		X		X
Sample description	All	X			X		X		X		X		X		X		X		X		X		X	
Semi Volatile Organic Compounds	All	X																						
Total Organic Carbon	All	X			X												X							
TPH c6-40 Value of soil	All				X				X		X						X		X					

Total				0 19	0 3	0 19	0 1	0 1	0 1	0 30	0 19	0 19	0 19	0 19	0 19	0 19	0 19	0 19	0 19	0 1	0 1	0 19	0 30	0 1	0 5	0 10
1823628	WSE15	1.80 - 2.00	400g Tub	X						X												X				
			250g Amber Jar			X					X	X	X	X	X	X	X	X	X				X			X
1823615	WSE9	0.50 - 0.60	400g Tub	X						X												X				
			250g Amber Jar			X					X	X	X	X	X	X	X	X	X				X		X	X
1823508	WSE16	1.20 - 1.40	400g Tub							X																
			250g Amber Jar																				X			
1823416	WSD15	0.40 - 0.50	400g Tub	X						X												X				
			250g Amber Jar			X					X	X	X	X	X	X	X	X	X				X			X
1823171	TPD4	2.80 - 2.90	400g Tub							X																
			250g Amber Jar																				X			
1823129	TPD8	2.50 - 2.60	400g Tub							X																
			250g Amber Jar																				X			
1823119	TPD8	0.40 - 0.50	400g Tub							X																
			250g Amber Jar																				X			
1822986	WSE16	0.50 - 0.60	400g Tub	X						X												X				
			250g Amber Jar			X					X	X	X	X	X	X	X	X	X				X			X
1822969	TPD9	0.20 - 0.30	400g Tub							X																
			250g Amber Jar																				X			

Validated

ALcontrol Laboratories Analytical Services

SDG:	100715-42	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91349

		1822414	1822422	1822471	1822480	1822491	1822510	1822579	1822592	1822602	1822653	1822729	1822748	1822781	1822792	1822803	1822813	1822829	1822842	1822849	1822855	1822872
		TPD9	TPD4	TPD4	TPD9	TPD10	TPD10	TPD10	TPD10	TPD10	TPD7	BH01	BH01	TPD8	TPD7	WSD14	WSD15	BH01	TPD8	TPD7	WSE15	WSD14
		1.00 - 1.10	0.50 - 0.60	0.00 - 0.10	3.90 - 4.00	2.60 - 2.70	0.20 - 0.30	1.00 - 1.10	2.90 - 3.00	0.50 - 0.60	0.30 - 0.40	3.60 - 3.80	0.70 - 0.90	2.80 - 2.90	2.10 - 2.20	3.00 - 3.20	3.00 - 3.40	1.60 - 2.00	1.10 - 1.20	1.10 - 1.20	0.30 - 0.40	0.50 - 0.50
		250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub
TPH CWG GC (S)	All											X										
VOC MS (S)	All													X								
Water Soluble Sulphate 2:1	All	X		X		X		X				X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	

					Total
1823628	WSE15	1.80 - 2.00	400g Tub		0
			250g Amber Jar		1
1823615	WSE9	0.50 - 0.60	400g Tub		0
			250g Amber Jar	X	19
1823508	WSE16	1.20 - 1.40	400g Tub		
			250g Amber Jar		
1823416	WSD15	0.40 - 0.50	400g Tub		
			250g Amber Jar	X	
1823171	TPD4	2.80 - 2.90	400g Tub		
			250g Amber Jar		
1823129	TPD8	2.50 - 2.60	400g Tub		
			250g Amber Jar		
1823119	TPD8	0.40 - 0.50	400g Tub		
			250g Amber Jar		
1822986	WSE16	0.50 - 0.60	400g Tub		
			250g Amber Jar	X	
1822969	TPD9	0.20 - 0.30	400g Tub		
			250g Amber Jar		

Validated

ALcontrol Laboratories Analytical Services

SDG:	100715-42	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91349

Sample Descriptions

Grain Sizes:
<0.063mm very fine,
0.063mm - 0.1mm fine,
0.1mm - 2mm medium,
2mm - 10mm coarse,
>10mm very coarse

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Grain size	Inclusions
1822414	TPD9	1.00 - 1.10	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones
1822422	TPD4	0.50 - 0.60	Dark Brown	Silty Clay	0.063 - 0.1 mm	Vegetation
1822471	TPD4	0.00 - 0.10	Dark Brown	Silty Clay	0.063 - 0.1 mm	Vegetation
1822480	TPD9	3.90 - 4.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones
1822491	TPD10	2.60 - 2.70	Dark Brown	Sand	0.1 - 2 mm	Stones
1822510	TPD10	0.20 - 0.30	Dark Brown	Silty Clay	0.063 - 0.1 mm	N/A
1822579	TPD10	1.00 - 1.10	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones
1822592	TPD10	2.90 - 3.00	Dark Brown	Clay Loam	<0.063 mm	None
1822602	TPD10	0.50 - 0.60	Light Brown	Clay Loam	<0.063 mm	Stones
1822653	TPD7	0.30 - 0.40	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones
1822729	BH01	3.60 - 3.80	Light Brown	Silt Loam	0.063 - 0.1 mm	Stones
1822748	BH01	0.70 - 0.90	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones
1822781	TPD8	2.80 - 2.90	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones
1822792	TPD7	2.10 - 2.20	Dark Brown	Clay Loam	0.063 - 0.1 mm	N/A
1822803	WSD14	3.00 - 3.20	Light Brown	Silt Loam	0.063 - 0.1 mm	Stones
1822813	WSD15	3.00 - 3.40	Light Brown	Sandy Clay	0.1 - 2 mm	Stones
1822829	BH01	1.60 - 2.00	Dark Brown	Silt Loam	0.063 - 0.1 mm	Stones
1822842	TPD8	1.10 - 1.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones
1822849	TPD7	1.10 - 1.20	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones
1822855	WSE15	0.30 - 0.40	Light Brown	Clay	<0.063 mm	None
1822872	WSD14	0.50 - 0.50	Dark Brown	Clay Loam	<0.063 mm	Stones
1822969	TPD9	0.20 - 0.30	Light Brown	Clay Loam	<0.063 mm	Stones
1822986	WSE16	0.50 - 0.60	Light Brown	Clay Loam	<0.063 mm	None
1823119	TPD8	0.40 - 0.50	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones
1823129	TPD8	2.50 - 2.60	Dark Brown	Clay Loam	0.063 - 0.1 mm	Vegetation
1823171	TPD4	2.80 - 2.90	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	None
1823416	WSD15	0.40 - 0.50	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones
1823508	WSE16	1.20 - 1.40	Light Brown	Silty Clay	0.063 - 0.1 mm	N/A
1823615	WSE9	0.50 - 0.60	Light Brown	Clay	<0.063 mm	None
1823628	WSE15	1.80 - 2.00	Light Brown	Clay	<0.063 mm	None

SDG:	100715-42	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91349

These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally ocurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Validated

ALcontrol Laboratories Analytical Services

SDG:	100715-42	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91349

Test Completion dates

SDG reference: 100715-42

Lab Sample No(s)	1822414	1822422	1822471	1822480	1822491	1822510	1822579	1822592	1822602	1822653	1822729	1822748
Customer Sample Ref.	TPD9	TPD4	TPD4	TPD9	TPD10	TPD10	TPD10	TPD10	TPD10	TPD7	BH01	BH01
Depth	1.00 - 1.10	0.50 - 0.60	0.00 - 0.10	3.90 - 4.00	2.60 - 2.70	0.20 - 0.30	1.00 - 1.10	2.90 - 3.00	0.50 - 0.60	0.30 - 0.40	3.60 - 3.80	0.70 - 0.90
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Ammonium Soil by Titration	19/07/2010	19/07/2010	19/07/2010			20/07/2010	19/07/2010				19/07/2010	19/07/2010
Asbestos Containing Material	16/07/2010					16/07/2010						
Boron Water Soluble	20/07/2010	20/07/2010	20/07/2010			20/07/2010	20/07/2010				20/07/2010	20/07/2010
EPH CWG (Aliphatic) GC (S)											22/07/2010	
EPH CWG (Aromatic) GC (S)											22/07/2010	
GRO by GC-FID (S)											22/07/2010	
Hexavalent Chromium (s)	20/07/2010	20/07/2010	20/07/2010		20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010
Metals by iCap-OES (Soil)	20/07/2010	20/07/2010	20/07/2010			20/07/2010	20/07/2010				20/07/2010	20/07/2010
PAH by GCMS											19/07/2010	
PCBs (vs Aroclor 1254)											20/07/2010	
pH	19/07/2010	19/07/2010	19/07/2010			19/07/2010	19/07/2010				19/07/2010	19/07/2010
Sample description	16/07/2010	16/07/2010	16/07/2010	20/07/2010	19/07/2010	16/07/2010	16/07/2010	19/07/2010	19/07/2010	19/07/2010	16/07/2010	16/07/2010
Semi Volatile Organic Compounds											20/07/2010	
Total Organic Carbon		20/07/2010									20/07/2010	20/07/2010
TPH c6-40 Value of soil							22/07/2010					20/07/2010
TPH CWG GC (S)											23/07/2010	
VOC MS (S)											21/07/2010	
Water Soluble Sulphate 2:1	20/07/2010	20/07/2010	20/07/2010			20/07/2010	20/07/2010				20/07/2010	20/07/2010

1822781	1822792	1822803	1822813	1822829	1822842	1822849	1822855	1822872	1822969	1822986	1823119	1823129	1823171	1823416
TPD8	TPD7	WSD14	WSD15	BH01	TPD8	TPD7	WSE15	WSD14	TPD9	WSE16	TPD8	TPD8	TPD4	WSD15
2.80 - 2.90	2.10 - 2.20	3.00 - 3.20	3.00 - 3.40	1.60 - 2.00	1.10 - 1.20	1.10 - 1.20	0.30 - 0.40	0.50 - 0.50	0.20 - 0.30	0.50 - 0.60	0.40 - 0.50	2.50 - 2.60	2.80 - 2.90	0.40 - 0.50
SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
19/07/2010	19/07/2010	19/07/2010		19/07/2010	19/07/2010	20/07/2010	19/07/2010	19/07/2010		19/07/2010				19/07/2010
					16/07/2010									
20/07/2010	20/07/2010	20/07/2010		20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010		20/07/2010				20/07/2010
20/07/2010	20/07/2010	20/07/2010	21/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	21/07/2010	20/07/2010	20/07/2010	20/07/2010
20/07/2010	20/07/2010	20/07/2010		20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010		20/07/2010				20/07/2010
19/07/2010	19/07/2010	19/07/2010		19/07/2010	19/07/2010	19/07/2010	19/07/2010	19/07/2010		19/07/2010				19/07/2010
16/07/2010	16/07/2010	16/07/2010	20/07/2010	16/07/2010	16/07/2010	16/07/2010	16/07/2010	16/07/2010	19/07/2010	16/07/2010	20/07/2010	19/07/2010	19/07/2010	16/07/2010
					20/07/2010									
	22/07/2010	20/07/2010			20/07/2010	22/07/2010				20/07/2010				20/07/2010
20/07/2010	20/07/2010	20/07/2010		20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010		20/07/2010				20/07/2010

1823508	1823615	1823628
WSE16	WSE9	WSE15
1.20 - 1.40	0.50 - 0.60	1.80 - 2.00
SOLID	SOLID	SOLID
	19/07/2010	19/07/2010
	20/07/2010	20/07/2010
20/07/2010	20/07/2010	20/07/2010
	20/07/2010	20/07/2010
	19/07/2010	19/07/2010
19/07/2010	16/07/2010	16/07/2010
	20/07/2010	
	20/07/2010	20/07/2010
	20/07/2010	20/07/2010

Validated

ALcontrol Laboratories Analytical Services

SDG:	100715-42	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91349

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	BH01	BH01	BH01	TPD10	TPD10	TPD10
			Depth (m)	0.70 - 0.90	1.60 - 2.00	3.60 - 3.80	0.20 - 0.30	0.50 - 0.60	1.00 - 1.10
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/07/2010	13/07/2010	13/07/2010	13/07/2010	13/07/2010	13/07/2010
			Date Received	15/07/2010	15/07/2010	15/07/2010	15/07/2010	15/07/2010	15/07/2010
			SDG Ref	100715-42	100715-42	100715-42	100715-42	100715-42	100715-42
			Lab Sample No.(s)	1822748	1822829	1822729	1822510	1822602	1822579
Asbestos Containing Material Screen	-	TM001					No ACM Detected		
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024		84 M	<15 M	23.1 M	<15 M		116 M
Sulphate, 2:1 water soluble	<0.003 g/l	TM098		1.44 M	1.59 M	1.68 M	0.0182 M		0.0359 M
Soil Organic Matter (SOM)	<0.35 %	TM132		1.83 #		3.07 #			
pH	1 pH Units	TM133		8.13 M	6.9 M	6.68 M	8.23 M		8.13 M
Chromium, Hexavalent	<0.6 mg/kg	TM151		<0.6 #	<0.6 #	<0.6 #	<1.2 #	<0.6 #	<0.6 #
TPH >C6-C8	<10 mg/kg	TM154		<10					<10
TPH >C8-C10	<10 mg/kg	TM154		<10					<10
TPH >C10-C12	<10 mg/kg	TM154		<10					<10
TPH >C12-C16	<10 mg/kg	TM154		<10					<10
TPH >C16-C21	<10 mg/kg	TM154		36.5					61.2
TPH >C21-C40	<10 mg/kg	TM154		219					380
TPH >C6-C40	<10 mg/kg	TM154		266 #					451 #
Arsenic	<0.6 mg/kg	TM181		8.95 M	9.97 M	7.11 M	7.39 M		8.44 M
Cadmium	<0.02 mg/kg	TM181		0.208 M	0.559 M	0.211 M	0.0755 M		0.197 M
Chromium	<0.9 mg/kg	TM181		49.2 M	60.5 M	38.2 M	25.3 M		33.6 M
Copper	<1.4 mg/kg	TM181		24.4 M	43.9 M	26.8 M	18.8 M		20.6 M
Lead	<0.7 mg/kg	TM181		17.4 M	11.4 M	14.7 M	13.9 M		18.4 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M		<0.14 M
Nickel	<0.2 mg/kg	TM181		26.2 M	48.1 M	35.6 M	15.2 M		20.2 M
Selenium	<1 mg/kg	TM181		2.32 #	4.33 #	2.07 #	1.09 #		1.52 #
Zinc	<1.9 mg/kg	TM181		85.2 M	152 M	80.1 M	63.4 M		88.4 M
Boron, water soluble	<1 mg/kg	TM222		1.83 M	2.14 M	4.09 M	3.04 M		2.63 M

SDG:	100715-42	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91349

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	BH01
Depth (m)	3.60 - 3.80
Sample Type	Soil/Solid
Date Sampled	13/07/2010
Date Received	15/07/2010
SDG Ref	100715-42
Lab Sample No.(s)	1822729

Component	LOD/Units	Method		
Naphthalene-d8 % recovery**	%	TM218	108	
Acenaphthene-d10 % recovery**	%	TM218	105	
Phenanthrene-d10 % recovery**	%	TM218	104	
Chrysene-d12 % recovery**	%	TM218	93.1	
Perylene-d12 % recovery**	%	TM218	101	
Naphthalene	<0.009 mg/kg	TM218	0.0361	M
Acenaphthylene	<0.012 mg/kg	TM218	<0.012	M
Acenaphthene	<0.008 mg/kg	TM218	0.0622	M
Fluorene	<0.01 mg/kg	TM218	0.0485	M
Phenanthrene	<0.015 mg/kg	TM218	0.251	M
Anthracene	<0.016 mg/kg	TM218	0.0731	M
Fluoranthene	<0.017 mg/kg	TM218	0.375	M
Pyrene	<0.015 mg/kg	TM218	0.326	M
Benz(a)anthracene	<0.014 mg/kg	TM218	0.196	M
Chrysene	<0.01 mg/kg	TM218	0.182	M
Benzo(b)fluoranthene	<0.015 mg/kg	TM218	0.26	M
Benzo(k)fluoranthene	<0.014 mg/kg	TM218	0.113	M
Benzo(a)pyrene	<0.015 mg/kg	TM218	0.237	M
Indeno(1,2,3-cd)pyrene	<0.018 mg/kg	TM218	0.138	M
Dibenzo(a,h)anthracene	<0.023 mg/kg	TM218	0.043	M
Benzo(g,h,i)perylene	<0.024 mg/kg	TM218	0.182	M
Polyaromatic hydrocarbons, Total USEPA 16	<0.118 mg/kg	TM218	2.52	M

Validated

ALcontrol Laboratories Analytical Services

SDG:	100715-42	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91349

PCBs (vs Aroclor 1254)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	BH01
Depth (m)	3.60 - 3.80
Sample Type	Soil/Solid
Date Sampled	13/07/2010
Date Received	15/07/2010
SDG Ref	100715-42
Lab Sample No.(s)	1822729

Component	LOD/Units	Method	
PCBs (vs Aroclor 1254)	<0.035 mg/kg	TM070	<0.035 #

SDG:	100715-42	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91349

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	BH01
			Depth (m)	3.60 - 3.80
			Sample Type	Soil/Solid
			Date Sampled	13/07/2010
			Date Received	15/07/2010
			SDG Ref	100715-42
			Lab Sample No.(s)	1822729
Phenol	<0.1 mg/kg	TM157		<0.1
Pentachlorophenol	<0.1 mg/kg	TM157		<0.1
n-Nitroso-n-dipropylamine	<0.1 mg/kg	TM157		<0.1
Nitrobenzene	<0.1 mg/kg	TM157		<0.1
Isophorone	<0.1 mg/kg	TM157		<0.1
Hexachloroethane	<0.1 mg/kg	TM157		<0.1
Hexachlorocyclopentadiene	<0.1 mg/kg	TM157		<0.1
Hexachlorobutadiene	<0.1 mg/kg	TM157		<0.1
Hexachlorobenzene	<0.1 mg/kg	TM157		<0.1
n-Dioctyl phthalate	<0.1 mg/kg	TM157		<0.1
Dimethyl phthalate	<0.1 mg/kg	TM157		<0.1
Diethyl phthalate	<0.1 mg/kg	TM157		<0.1
n-Dibutyl phthalate	<0.1 mg/kg	TM157		<0.1
Dibenzofuran	<0.1 mg/kg	TM157		<0.1
Carbazole	<0.1 mg/kg	TM157		<0.1
Butylbenzyl phthalate	<0.1 mg/kg	TM157		<0.1
bis(2-Ethylhexyl) phthalate	<0.1 mg/kg	TM157		<0.1
bis(2-Chloroethoxy)methane	<0.1 mg/kg	TM157		<0.1
bis(2-Chloroethyl)ether	<0.1 mg/kg	TM157		<0.1
Azobenzene	<0.1 mg/kg	TM157		<0.1
4-Nitrophenol	<0.1 mg/kg	TM157		<0.1
4-Nitroaniline	<0.1 mg/kg	TM157		<0.1
4-Methylphenol	<0.1 mg/kg	TM157		<0.1
4-Chlorophenylphenylether	<0.1 mg/kg	TM157		<0.1
4-Chloroaniline	<0.1 mg/kg	TM157		<0.1
4-Chloro-3-methylphenol	<0.1 mg/kg	TM157		<0.1
4-Bromophenylphenylether	<0.1 mg/kg	TM157		<0.1
3-Nitroaniline	<0.1 mg/kg	TM157		<0.1
2-Nitrophenol	<0.1 mg/kg	TM157		<0.1
2-Nitroaniline	<0.1 mg/kg	TM157		<0.1
2-Methylphenol	<0.1 mg/kg	TM157		<0.1
1,2,4-Trichlorobenzene	<0.1 mg/kg	TM157		<0.1
2-Chlorophenol	<0.1 mg/kg	TM157		<0.1
2,6-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1
2,4-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1
2,4-Dimethylphenol	<0.1 mg/kg	TM157		<0.1
2,4-Dichlorophenol	<0.1 mg/kg	TM157		<0.1
2,4,6-Trichlorophenol	<0.1 mg/kg	TM157		<0.1
2,4,5-Trichlorophenol	<0.1 mg/kg	TM157		<0.1

SDG:	100715-42	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91349

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	BH01
Depth (m)	3.60 - 3.80
Sample Type	Soil/Solid
Date Sampled	13/07/2010
Date Received	15/07/2010
SDG Ref	100715-42
Lab Sample No.(s)	1822729

Component	LOD/Units	Method	
1,4-Dichlorobenzene	<0.1 mg/kg	TM157	<0.1
1,3-Dichlorobenzene	<0.1 mg/kg	TM157	<0.1
1,2-Dichlorobenzene	<0.1 mg/kg	TM157	<0.1
2-Chloronaphthalene	<0.1 mg/kg	TM157	<0.1
2-Methylnaphthalene	<0.1 mg/kg	TM157	<0.1
Acenaphthylene	<0.1 mg/kg	TM157	<0.1
Acenaphthene	<0.1 mg/kg	TM157	<0.1
Anthracene	<0.1 mg/kg	TM157	<0.1
Benzo(a)anthracene	<0.1 mg/kg	TM157	<0.1
Benzo(b)fluoranthene	<0.1 mg/kg	TM157	<0.1
Benzo(k)fluoranthene	<0.1 mg/kg	TM157	<0.1
Benzo(a)pyrene	<0.1 mg/kg	TM157	<0.1
Benzo(g,h,i)perylene	<0.1 mg/kg	TM157	<0.1
Chrysene	<0.1 mg/kg	TM157	<0.1
Fluoranthene	<0.1 mg/kg	TM157	<0.1
Fluorene	<0.1 mg/kg	TM157	<0.1
Indeno(1,2,3-cd)pyrene	<0.1 mg/kg	TM157	<0.1
Phenanthrene	<0.1 mg/kg	TM157	<0.1
Pyrene	<0.1 mg/kg	TM157	<0.1
Naphthalene	<0.1 mg/kg	TM157	<0.1
Dibenzo(a,h)anthracene	<0.1 mg/kg	TM157	<0.1

SDG:	100715-42	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91349

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	BH01
Depth (m)	3.60 - 3.80
Sample Type	Soil/Solid
Date Sampled	13/07/2010
Date Received	15/07/2010
SDG Ref	100715-42
Lab Sample No.(s)	1822729

Component	LOD/Units	Method	
GRO Surrogate % recovery**	%	TM089	66
GRO >C5-C12	<0.044 mg/kg	TM089	<0.044
Benzene	<0.01 mg/kg	TM089	<0.01 M
Ethylbenzene	<0.003 mg/kg	TM089	<0.003 M
Toluene	<0.002 mg/kg	TM089	<0.002 M
m,p-Xylene	<0.006 mg/kg	TM089	<0.006 M
o-Xylene	<0.003 mg/kg	TM089	<0.003 M
m,p,o-Xylene	<0.01 mg/kg	TM089	<0.01 M
BTEX, Total	<0.01 mg/kg	TM089	<0.01 M
Methyl tertiary butyl ether (MTBE)	<0.005 mg/kg	TM089	<0.005 #
Aliphatics >C5-C6	<0.01 mg/kg	TM089	<0.01
Aliphatics >C6-C8	<0.01 mg/kg	TM089	<0.01
Aliphatics >C8-C10	<0.01 mg/kg	TM089	<0.01
Aliphatics >C10-C12	<0.01 mg/kg	TM089	<0.01
Aromatics >C6-C7	<0.01 mg/kg	TM089	<0.01
Aromatics >C7-C8	<0.01 mg/kg	TM089	<0.01
Aromatics >EC8-EC10	<0.01 mg/kg	TM089	<0.01
Aromatics >EC10-EC12	<0.01 mg/kg	TM089	<0.01
Total Aliphatics >C5-C12	<0.01 mg/kg	TM089	<0.01
Total Aromatics >C6-C12	<0.01 mg/kg	TM089	<0.01
Aliphatics >C12-C16	<0.1 mg/kg	TM173	7.75
Aliphatics >C16-C21	<0.1 mg/kg	TM173	6.67
Aliphatics >C16-C35	<0.1 mg/kg	TM173	23.2
Aliphatics >C21-C35	<0.1 mg/kg	TM173	16.6
Aliphatics >C35-C44	<0.1 mg/kg	TM173	3.39
Aromatics >EC12-EC16	<0.1 mg/kg	TM173	8.02
Aromatics >EC16-EC21	<0.1 mg/kg	TM173	20.6
Aromatics >EC21-EC35	<0.1 mg/kg	TM173	50.3
Aromatics >EC35-EC44	<0.1 mg/kg	TM173	17.4
Aromatics >EC40-EC44	<0.1 mg/kg	TM173	6.11
Total Aliphatics >C12-C44	<0.1 mg/kg	TM173	34.4
Total Aromatics >EC12-EC44	<0.1 mg/kg	TM173	96.3
Total Aliphatics >C5-35	<0.1 mg/kg	TM173	31
Total Aliphatics >C5-C44	<0.1 mg/kg	TM173	34.4
Total Aromatics >C5-35	<0.1 mg/kg	TM173	78.9
Total Aromatics >C6-C44	<0.1 mg/kg	TM173	96.3
Total Aliphatics & Aromatics >C5-35	<0.1 mg/kg	TM173	110
Total Aliphatics & Aromatics >C5-C44	<0.1 mg/kg	TM173	131

SDG:	100715-42	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91349

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	BH01
Depth (m)	3.60 - 3.80
Sample Type	Soil/Solid
Date Sampled	13/07/2010
Date Received	15/07/2010
SDG Ref	100715-42
Lab Sample No.(s)	1822729

Component	LOD/Units	Method	
Dibromofluoromethane**	%	TM116	89.6
Toluene-d8**	%	TM116	91.8
4-Bromofluorobenzene**	%	TM116	147
Dichlorodifluoromethane	<0.004 mg/kg	TM116	<0.004 M
Chloromethane	<0.007 mg/kg	TM116	<0.007 #
Vinyl Chloride	<0.01 mg/kg	TM116	<0.01 #
Bromomethane	<0.013 mg/kg	TM116	<0.013 M
Chloroethane	<0.014 mg/kg	TM116	<0.014 M
Trichlorofluorormethane	<0.006 mg/kg	TM116	<0.006 M
1.1-Dichloroethene	<0.01 mg/kg	TM116	<0.01 #
Carbon Disulphide	<0.007 mg/kg	TM116	0.289 M
Dichloromethane	<0.01 mg/kg	TM116	<0.01 #
Methyl Tertiary Butyl Ether	<0.011 mg/kg	TM116	<0.011 M
trans-1-2-Dichloroethene	<0.011 mg/kg	TM116	<0.011 M
1.1-Dichloroethane	<0.008 mg/kg	TM116	<0.008 M
cis-1-2-Dichloroethene	<0.005 mg/kg	TM116	<0.005 M
2.2-Dichloropropane	<0.012 mg/kg	TM116	<0.012 M
Bromochloromethane	<0.014 mg/kg	TM116	<0.014 M
Chloroform	<0.008 mg/kg	TM116	<0.008 M
1.1.1-Trichloroethane	<0.007 mg/kg	TM116	<0.007 M
1.1-Dichloropropene	<0.011 mg/kg	TM116	<0.011 M
Carbontetrachloride	<0.014 mg/kg	TM116	<0.014 M
1.2-Dichloroethane	<0.005 mg/kg	TM116	<0.005 M
Benzene	<0.009 mg/kg	TM116	<0.009 M
Trichloroethene	<0.009 mg/kg	TM116	<0.009 M
1.2-Dichloropropane	<0.012 mg/kg	TM116	<0.012 M
Dibromomethane	<0.009 mg/kg	TM116	<0.009 M
Bromodichloromethane	<0.007 mg/kg	TM116	<0.007 M
cis-1-3-Dichloropropene	<0.014 mg/kg	TM116	<0.014 M
Toluene	<0.005 mg/kg	TM116	<0.005 M
trans-1-3-Dichloropropene	<0.014 mg/kg	TM116	<0.014
1.1.2-Trichloroethane	<0.01 mg/kg	TM116	<0.01 M
1.3-Dichloropropane	<0.007 mg/kg	TM116	<0.007 #
Tetrachloroethene	<0.005 mg/kg	TM116	<0.005 M
Dibromochloromethane	<0.013 mg/kg	TM116	<0.013 M
1.2-Dibromoethane	<0.012 mg/kg	TM116	<0.012 M
Chorobenzene	<0.005 mg/kg	TM116	<0.005 M
1.1.1.2-Tetrachloroethane	<0.01 mg/kg	TM116	<0.01 M
Ethylbenzene	<0.004 mg/kg	TM116	<0.004 M

SDG:	100715-42	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91349

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	BH01
Depth (m)	3.60 - 3.80
Sample Type	Soil/Solid
Date Sampled	13/07/2010
Date Received	15/07/2010
SDG Ref	100715-42
Lab Sample No.(s)	1822729

Component	LOD/Units	Method		
p/m-Xylene	<0.014	mg/kg	TM116	<0.014 #
o-Xylene	<0.01	mg/kg	TM116	<0.01 M
Styrene	<0.01	mg/kg	TM116	<0.01 M
Bromoform	<0.01	mg/kg	TM116	<0.01 M
Isopropylbenzene	<0.005	mg/kg	TM116	<0.005 M
1.1.2.2-Tetrachloroethane	<0.01	mg/kg	TM116	<0.01 #
1.2.3-Trichloropropane	<0.017	mg/kg	TM116	<0.017 M
Bromobenzene	<0.01	mg/kg	TM116	<0.01 M
Propylbenzene	<0.011	mg/kg	TM116	<0.011 M
2-Chlorotoluene	<0.009	mg/kg	TM116	<0.009 M
1.3.5-Trimethylbenzene	<0.008	mg/kg	TM116	<0.008 #
4-Chlorotoluene	<0.012	mg/kg	TM116	<0.012 M
tert-Butylbenzene	<0.012	mg/kg	TM116	<0.012 #
1.2.4-Trimethylbenzene	<0.009	mg/kg	TM116	<0.009 #
sec-Butylbenzene	<0.01	mg/kg	TM116	<0.01 M
4-Isopropyltoluene	<0.011	mg/kg	TM116	<0.011 M
1.3-Dichlorobenzene	<0.006	mg/kg	TM116	<0.006 M
1.4-Dichlorobenzene	<0.005	mg/kg	TM116	<0.005 M
n-Butylbenzene	<0.01	mg/kg	TM116	<0.01 M
1.2-Dichlorobenzene	<0.012	mg/kg	TM116	<0.012 M
1.2-Dibromo-3-chloropropane	<0.014	mg/kg	TM116	<0.014 M
Tert-amyl methyl ether	<0.015	mg/kg	TM116	<0.015
1.2.4-Trichlorobenzene	<0.006	mg/kg	TM116	<0.006 #
Hexachlorobutadiene	<0.012	mg/kg	TM116	<0.012 M
Naphthalene	<0.013	mg/kg	TM116	<0.013 M
1.2.3-Trichlorobenzene	<0.006	mg/kg	TM116	<0.006 M

ALcontrol Laboratories Analytical Services

SDG:	100715-42	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91349

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	TPD10	TPD10	TPD4	TPD4	TPD4	TPD7
			Depth (m)	2.60 - 2.70	2.90 - 3.00	0.00 - 0.10	0.50 - 0.60	2.80 - 2.90	0.30 - 0.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/07/2010	13/07/2010	13/07/2010	13/07/2010	13/07/2010	13/07/2010
			Date Received	15/07/2010	15/07/2010	15/07/2010	15/07/2010	15/07/2010	15/07/2010
			SDG Ref	100715-42	100715-42	100715-42	100715-42	100715-42	100715-42
			Lab Sample No.(s)	1822491	1822592	1822471	1822422	1823171	1822653
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024				<15 M	<15 M		
Sulphate, 2:1 water soluble	<0.003 g/l	TM098				0.0298 M	1.1 M		
Soil Organic Matter (SOM)	<0.35 %	TM132					1.95 #		
pH	1 pH Units	TM133				7.42 M	7.72 M		
Chromium, Hexavalent	<0.6 mg/kg	TM151		<0.6 #	<0.6 #	<3 #	<0.6 #	<0.6 #	<0.6 #
Arsenic	<0.6 mg/kg	TM181				7.43 M	8.6 M		
Cadmium	<0.02 mg/kg	TM181				0.46 M	0.505 M		
Chromium	<0.9 mg/kg	TM181				48.7 M	56 M		
Copper	<1.4 mg/kg	TM181				30.2 M	29.2 M		
Lead	<0.7 mg/kg	TM181				23.5 M	16.1 M		
Mercury	<0.14 mg/kg	TM181				<0.14 M	<0.14 M		
Nickel	<0.2 mg/kg	TM181				40.1 M	45.8 M		
Selenium	<1 mg/kg	TM181				1.99 #	1.66 #		
Zinc	<1.9 mg/kg	TM181				116 M	115 M		
Boron, water soluble	<1 mg/kg	TM222				1.6 M	2.21 M		

Validated

ALcontrol Laboratories Analytical Services

SDG:	100715-42	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91349

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	TPD7	TPD7	TPD8	TPD8	TPD8	TPD8
			Depth (m)	1.10 - 1.20	2.10 - 2.20	0.40 - 0.50	1.10 - 1.20	2.50 - 2.60	2.80 - 2.90
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/07/2010	13/07/2010	13/07/2010	13/07/2010	13/07/2010	13/07/2010
			Date Received	15/07/2010	15/07/2010	15/07/2010	15/07/2010	15/07/2010	15/07/2010
			SDG Ref	100715-42	100715-42	100715-42	100715-42	100715-42	100715-42
			Lab Sample No.(s)	1822849	1822792	1823119	1822842	1823129	1822781
Asbestos Containing Material Screen	-	TM001					No ACM Detected		
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024		26.5 M	98.1 M		<15 M		<15 M
Sulphate, 2:1 water soluble	<0.003 g/l	TM098		1.31 M	0.0533 M		0.211 M		0.044 M
Soil Organic Matter (SOM)	<0.35 %	TM132					21 #		
pH	1 pH Units	TM133		7.67 M	7.81 M		8.25 M		8.37 M
Chromium, Hexavalent	<0.6 mg/kg	TM151		<0.6 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #
TPH >C6-C8	<10 mg/kg	TM154		<10	<10		<10		
TPH >C8-C10	<10 mg/kg	TM154		<10	<10		<10		
TPH >C10-C12	<10 mg/kg	TM154		<10	<10		<10		
TPH >C12-C16	<10 mg/kg	TM154		18.1	<10		<10		
TPH >C16-C21	<10 mg/kg	TM154		37.8	<10		63.6		
TPH >C21-C40	<10 mg/kg	TM154		300	181		529		
TPH >C6-C40	<10 mg/kg	TM154		362 #	189 #		601 #		
Arsenic	<0.6 mg/kg	TM181		10.7 M	10.9 M		10.3 M		4.11 M
Cadmium	<0.02 mg/kg	TM181		0.42 M	0.227 M		0.529 M		0.0656 M
Chromium	<0.9 mg/kg	TM181		32.7 M	34.4 M		20.8 M		16.2 M
Copper	<1.4 mg/kg	TM181		26.4 M	23.8 M		81.2 M		17.6 M
Lead	<0.7 mg/kg	TM181		25.3 M	97.4 M		21.1 M		21.5 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M		<0.14 M		<0.14 M
Nickel	<0.2 mg/kg	TM181		28.7 M	28 M		33.2 M		9.06 M
Selenium	<1 mg/kg	TM181		1.54 #	1.32 #		2.24 #		2.61 #
Zinc	<1.9 mg/kg	TM181		113 M	113 M		172 M		71 M
Boron, water soluble	<1 mg/kg	TM222		3.49 M	3.21 M		1.23 M		<1 M

ALcontrol Laboratories Analytical Services

SDG:	100715-42	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91349

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	TPD9	TPD9	WSD14	WSD14	WSD15	WSD15
			Depth (m)	0.20 - 0.30	1.00 - 1.10	0.50 - 0.50	3.00 - 3.20	0.40 - 0.50	3.00 - 3.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/07/2010	13/07/2010	13/07/2010	13/07/2010	13/07/2010	13/07/2010
			Date Received	15/07/2010	15/07/2010	15/07/2010	15/07/2010	15/07/2010	15/07/2010
			SDG Ref	100715-42	100715-42	100715-42	100715-42	100715-42	100715-42
			Lab Sample No.(s)	1822969	1822414	1822872	1822803	1823416	1822813
Asbestos Containing Material Screen	-	TM001			No ACM Detected				
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024			117 M	171 M	<15 M	<15 M	
Sulphate, 2:1 water soluble	<0.003 g/l	TM098			0.122 M	0.0682 M	1.69 M	1.33 M	
pH	1 pH Units	TM133			8.16 M	8.13 M	5.91 M	9.06 M	
Chromium, Hexavalent	<0.6 mg/kg	TM151		<0.6 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #	<1.2 #
TPH >C6-C8	<10 mg/kg	TM154					<10	<10	
TPH >C8-C10	<10 mg/kg	TM154					<10	<10	
TPH >C10-C12	<10 mg/kg	TM154					<10	<10	
TPH >C12-C16	<10 mg/kg	TM154					<10	19.2	
TPH >C16-C21	<10 mg/kg	TM154					<10	167	
TPH >C21-C40	<10 mg/kg	TM154					276	545	
TPH >C6-C40	<10 mg/kg	TM154					283 #	731 #	
Arsenic	<0.6 mg/kg	TM181			6.12 M	11.2 M	5.38 M	13.3 M	
Cadmium	<0.02 mg/kg	TM181			0.0816 M	0.414 M	0.671 M	0.346 M	
Chromium	<0.9 mg/kg	TM181			26.5 M	39.7 M	47.9 M	21.9 M	
Copper	<1.4 mg/kg	TM181			16.2 M	43 M	34.8 M	51 M	
Lead	<0.7 mg/kg	TM181			14.2 M	24.5 M	12.8 M	39 M	
Mercury	<0.14 mg/kg	TM181			<0.14 M	<0.14 M	<0.14 M	<0.14 M	
Nickel	<0.2 mg/kg	TM181			13.8 M	40.2 M	56.5 M	42.7 M	
Selenium	<1 mg/kg	TM181			1.16 #	1.65 #	2.82 #	1.44 #	
Zinc	<1.9 mg/kg	TM181			63.9 M	124 M	155 M	103 M	
Boron, water soluble	<1 mg/kg	TM222			1.91 M	4.57 M	5.75 M	1.64 M	

Validated

ALcontrol Laboratories Analytical Services

SDG:	100715-42	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91349

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSE15	WSE15	WSE16	WSE16	WSE9
			Depth (m)	0.30 - 0.40	1.80 - 2.00	0.50 - 0.60	1.20 - 1.40	0.50 - 0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	13/07/2010	13/07/2010	13/07/2010	13/07/2010	13/07/2010
			Date Received	15/07/2010	15/07/2010	15/07/2010	15/07/2010	15/07/2010
			SDG Ref	100715-42	100715-42	100715-42	100715-42	100715-42
			Lab Sample No.(s)	1822855	1823628	1822986	1823508	1823615
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024		<15 M	<15 M	<15 M		<15 M
Sulphate, 2:1 water soluble	<0.003 g/l	TM098		0.008 M	0.307 M	0.0677 M		<0.003 M
Soil Organic Matter (SOM)	<0.35 %	TM132						2.31 #
pH	1 pH Units	TM133		8.36 M	4.51 M	8.03 M		8.32 M
Chromium, Hexavalent	<0.6 mg/kg	TM151		<0.6 #	<1.2 #	<1.2 #	<0.6 #	<0.6 #
TPH >C6-C8	<10 mg/kg	TM154			<10	<10		<10
TPH >C8-C10	<10 mg/kg	TM154			<10	<10		<10
TPH >C10-C12	<10 mg/kg	TM154			<10	<10		<10
TPH >C12-C16	<10 mg/kg	TM154			<10	<10		<10
TPH >C16-C21	<10 mg/kg	TM154			<10	12.4		30
TPH >C21-C40	<10 mg/kg	TM154			<10	136		224
TPH >C6-C40	<10 mg/kg	TM154			<10 #	152 #		256 #
Arsenic	<0.6 mg/kg	TM181		7.98 M	5.67 M	8.28 M		8.87 M
Cadmium	<0.02 mg/kg	TM181		0.125 M	<0.02 M	0.212 M		0.2 M
Chromium	<0.9 mg/kg	TM181		41.4 M	42.7 M	55.5 M		44.1 M
Copper	<1.4 mg/kg	TM181		19 M	25.7 M	28.4 M		27.5 M
Lead	<0.7 mg/kg	TM181		35.1 M	17.8 M	20.3 M		37.8 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M		<0.14 M
Nickel	<0.2 mg/kg	TM181		17 M	13.5 M	28.9 M		25.1 M
Selenium	<1 mg/kg	TM181		1.15 #	1.52 #	1.62 #		1.67 #
Zinc	<1.9 mg/kg	TM181		71.5 M	37 M	96.9 M		97.9 M
Boron, water soluble	<1 mg/kg	TM222		2.12 M	2.52 M	1.67 M		2.05 M

SDG:	100715-42	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91349

ASSOCIATED AQC DATA

Ammonium Soil by Titration

Component	Method Code	QC 13	QC 17	QC 15	QC 16
Exchangeable Ammonium as NH4	TM024	**88.97** 80.84 : 103.27	**87.18** 80.84 : 103.27	**88.08** 80.84 : 103.27	**87.54** 80.84 : 103.27

Boron Water Soluble

Component	Method Code	QC 11	QC 16	QC 14
Water Soluble Boron	TM222	**104.95** 82.59 : 112.64	**100.20** 82.59 : 112.64	**99.20** 82.59 : 112.64

EPH CWG (Aliphatic) GC (S)

Component	Method Code	QC 14
Total Aliphatics >C12-C35	TM173	**81.79** 55.20 : 114.58

Hexavalent Chromium (s)

Component	Method Code	QC 11	QC 13	QC 13
Hexavalent Chromium	TM151	**112.80** 76.40 : 131.80	**109.40** 76.40 : 131.80	**108.40** 76.40 : 131.80

Metals by iCap-OES (Soil)

Component	Method Code	QC 18	QC 15	QC 11
Aluminium	TM181	**108.50** 95.21 : 133.11	**108.11** 95.21 : 133.11	**109.67** 95.21 : 133.11
Antimony	TM181	**88.97** 63.92 : 138.56	**97.82** 63.92 : 138.56	**104.62** 63.92 : 138.56
Arsenic	TM181	**93.28** 77.96 : 122.04	**98.45** 77.96 : 122.04	**100.34** 77.96 : 122.04
Barium	TM181	**98.09** 90.49 : 117.24	**97.90** 90.49 : 117.24	**105.34** 90.49 : 117.24
Beryllium	TM181	**85.94** 77.50 : 122.50	**95.87** 77.50 : 122.50	**103.31** 77.50 : 122.50
Boron	TM181	**93.55** 82.46 : 141.11	**93.82** 82.46 : 141.11	**108.59** 82.46 : 141.11
Cadmium	TM181	**86.13** 77.50 : 122.50	**95.36** 77.50 : 122.50	**104.18** 77.50 : 122.50
Chromium	TM181	**94.52** 82.90 : 117.10	**94.71** 82.90 : 117.10	**97.47** 82.90 : 117.10
Cobalt	TM181	**91.12** 78.26 : 121.74	**96.27** 78.26 : 121.74	**101.69** 78.26 : 121.74
Copper	TM181	**96.31** 86.52 : 113.48	**97.13** 86.52 : 113.48	**97.81** 86.52 : 113.48

SDG:	100715-42	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91349

		QC 18	QC 15	QC 11
Iron	TM181	**102.14** 93.59 : 123.28	**101.87** 93.59 : 123.28	**105.67** 93.59 : 123.28
Lead	TM181	**97.78** 81.22 : 118.78	**98.06** 81.22 : 118.78	**99.78** 81.22 : 118.78
Manganese	TM181	**92.73** 87.42 : 112.58	**95.06** 87.42 : 112.58	**96.80** 87.42 : 112.58
Mercury	TM181	**95.87** 72.27 : 127.73	**104.66** 72.27 : 127.73	**105.10** 72.27 : 127.73
Molybdenum	TM181	**85.23** 71.12 : 128.88	**94.49** 71.12 : 128.88	**114.17** 71.12 : 128.88
Nickel	TM181	**96.79** 81.27 : 118.73	**97.48** 81.27 : 118.73	**99.92** 81.27 : 118.73
Phosphorus	TM181	**94.48** 84.04 : 115.96	**98.58** 84.04 : 115.96	**98.54** 84.04 : 115.96
Selenium	TM181	**86.36** 72.61 : 127.39	**104.54** 72.61 : 127.39	**110.18** 72.61 : 127.39
Strontium	TM181	**94.79** 80.21 : 119.79	**99.71** 80.21 : 119.79	**93.44** 80.21 : 119.79
Thallium	TM181	**83.07** 73.04 : 126.96	**90.56** 73.04 : 126.96	**101.94** 73.04 : 126.96
Tin	TM181	**88.28** 71.55 : 128.45	**94.22** 71.55 : 128.45	**104.41** 71.55 : 128.45
Titanium	TM181	**99.85** 78.26 : 121.74	**98.49** 78.26 : 121.74	**108.78** 78.26 : 121.74
Vanadium	TM181	**96.22** 82.03 : 117.97	**97.50** 82.03 : 117.97	**96.96** 82.03 : 117.97
Zinc	TM181	**90.30** 77.50 : 122.50	**93.83** 77.50 : 122.50	**92.48** 77.50 : 122.50

PAH by GCMS

Component	Method Code	QC 19
Acenaphthene	TM218	**96.10** 71.41 : 116.50
Acenaphthylene	TM218	**86.04** 74.28 : 102.70
Anthracene	TM218	**91.23** 67.40 : 117.21
Benz(a)anthracene	TM218	**102.22** 66.80 : 125.05
Benzo(a)pyrene	TM218	**105.87** 69.15 : 119.77
Benzo(b)fluoranthene	TM218	**107.60** 70.01 : 124.88
Benzo(ghi)perylene	TM218	**109.94** 81.23 : 116.67
Benzo(k)fluoranthene	TM218	**106.01** 71.46 : 117.67
Chrysene	TM218	**102.71** 71.32 : 130.95
Dibenzo(ah)anthracene	TM218	**111.74** 81.17 : 118.65
Fluoranthene	TM218	**95.77** 69.52 : 118.84
Fluorene	TM218	**94.28** 71.38 : 111.04

SDG:	100715-42	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91349

		QC 19
Indeno(123cd)pyrene	TM218	**112.31** 80.81 : 118.96
Naphthalene	TM218	**90.36** 81.16 : 104.84
Phenanthrene	TM218	**96.50** 69.56 : 121.45
Pyrene	TM218	**95.68** 70.34 : 117.79

PCBs (vs Aroclor 1254)

Component	Method Code	QC 14
PCBs (vs Aroclor 1254)	TM070	**109.33** 75.18 : 122.16

pH

Component	Method Code	QC 18	QC 19	QC 12	QC 10	QC 14
pH	TM133	**100.75** 97.90 : 102.35	**100.38** 97.90 : 102.35	**99.62** 97.90 : 102.35	**98.75** 97.42 : 102.50	**100.00** 97.90 : 102.35

Semi Volatile Organic Compounds

Component	Method Code	QC 10
4-Bromophenylphenyleth er (Soil)	TM157	**87.87** 28.30 : 143.78
Benzo(a)anthracene (Soil)	TM157	**94.55** 18.50 : 151.06
Hexachlorobutadiene (Soil)	TM157	**86.87** 31.16 : 138.34
Naphthalene (Soil)	TM157	**89.73** 26.59 : 145.57
Nitrobenzene (Soil)	TM157	**87.50** 25.35 : 142.64
Phenol (Soil)	TM157	**86.80** 28.59 : 134.35

Total Organic Carbon

Component	Method Code	QC 11	QC 19	QC 18
Total Organic Carbon	TM132	**92.99** 88.75 : 104.70	**98.03** 88.75 : 104.70	**97.96** 88.75 : 104.70

TPH c6-40 Value of soil

Component	Method Code	QC 16	QC 11
Diesel QC	TM154	**92.86** 87.23 : 113.71	**92.67** 87.23 : 113.71
Lube Oil QC	TM154	**104.28** 88.71 : 110.56	**101.36** 88.71 : 110.56

SDG:	100715-42	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91349

		QC 16	QC 11
TPH C6-40 Corrected	TM154	**98.57** 86.39 : 109.99	**97.01** 86.39 : 109.99

Water Soluble Sulphate 2:1

Component	Method Code	QC 19	QC 12	QC 14
Soluble SO4	TM098	**82.09** 76.87 : 120.45	**81.57** 76.87 : 120.45	**84.69** 76.87 : 120.45

The above information details the reference name of the analytical quality control sample (AQC) that has been run with the samples contained in this report for the different methods of analysis.
The figure detailed is the percentage recovery result for the AQC.
The subscript numbers below are the percentage recovery lower control limit (LCL) and the upper control limit (UCL). The percentage recovery result for the AQC should be between these limits to be statistically in control.

Table of Results - Appendix

SDG Number : 100715-42 **Client :** Entec UK Ltd **Client Ref :** 26999

REPORT KEY

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03x10-7

NDP	No Determination Possible	#	ISO 17025 Accredited	*	Subcontracted Test	M	MCERTS Accredited
NFD	No Fibres Detected	PFD	Possible Fibres Detected	»	Result previously reported (Incremental reports only)	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control

Method No	Reference	Description	Wet/Dry Sample [1]
PM001		Preparation of Samples for Metals Analysis	Dry
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material	Wet
TM001	In - house Method	Determination of asbestos containing material by screening on solids	
TM024	Method 4500A & B, AWWA/APHA, 20th Ed., 1999	Determination of Exchangeable Ammonium and Ammoniacal Nitrogen as N by titration on solids	Wet
TM070	Modified: US EPA Method 8250 & 625	Determination of Total Polychlorinated Biphenyls (PCBÆs) as Aroclor 1254 by GC-MS in Soils	Dry
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	
TM098	Method 4500E, AWWA/APHA, 20th Ed., 1999	Determination of Sulphate using the Kone Analyser	Dry
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS	
TM132	In - house Method	ELTRA CS800 Operators Guide	Dry
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter	Wet
TM151	Method 3500D, AWWA/APHA, 20th Ed., 1999	Determination of Hexavalent Chromium using Kone analyser	Wet
TM154	In - house Method	Determination of Petroleum Hydrocarbons by EZ Flash GC-FID in the Carbon range C6- C40	Wet
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone	Wet
TM173	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID	Dry
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES	Dry
TM184	EPA Methods 325.1 & 325.2,	The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	Dry
TM218	Microwave extraction – EPA method 3546	Microwave extraction - EPA method 3546	Wet
TM222	In-House Method	Determination of Hot Water Soluble Boron in Soils (10:1 Water:soil) by IRIS Emission Spectrometer	Dry

[1] Applies to Solid samples only. DRY indicates samples have been dried at 35°C. NA = not applicable.

APPENDIX

APPENDIX

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA Leach tests, flash point, ammonium as NH_4 by the BRE method, VOC TICS, SVOC TICS, TOF-MS SCAN/SEARCH and TOF-MS TICS.
2. Samples will be run in duplicate upon request, but an additional charge may be incurred.
3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for both soil jars, tubs and volatile jars. All waters and vials will be discarded 10 days after the analysis is completed (e-mailed). All material removed during an asbestos containing material screen and analysed for the presence of asbestos will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.
4. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.
5. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.
6. When requested, the individual sub sample scheduled will be screened in house for the presence of large asbestos containing material fragments/pieces. If no asbestos containing material is found this will be reported as 'no asbestos containing material detected'. If asbestos containing material is detected it will be removed and analysed by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If asbestos containing material is present no further analysis will be undertaken. At no point is the fibre content of the soil sample determined.
7. If no separate volatile sample is supplied by the client, the integrity of the data may be compromised if the laboratory is required to create a sub-sample from the bulk sample – similarly, if a headspace or sediment is present in the volatile sample. This will be flagged up as an invalid VOC on the test schedule or recorded on the log sheet.
8. If appropriate preserved bottles are not received preservation will take place on receipt. However, the integrity of the data may be compromised.
9. NDP – No determination possible due to insufficient/unsuitable sample.
10. Metals in water are performed on a filtered sample, and therefore represent dissolved metals – total metals must be requested separately.
11. A table containing the date of analysis for each parameter is not routinely included with the report, but is available upon request.
12. Results relate only to the items tested
13. **Surrogate recoveries** – Most of our organic methods include surrogates, the recovery of which is monitored and reported. For EPH, MO, PAH, GRO and VOCs on soils the result is not surrogate corrected, but a percentage recovery is quoted. Acceptable limits for most organic methods are 70 – 130 %.
14. **Product analyses** – Organic analyses on products can only be semi-quantitative due to the matrix effects and high dilution factors employed.
15. Phenols monohydric by HPLC include phenol, cresols (2-Methylphenol, 3-Methylphenol and 4-Methylphenol) and Xylenols (2,3 Dimethylphenol, 2,4 Dimethylphenol, 2,5 Dimethylphenol, 2,6 Dimethylphenol, 3,4 Dimethyphenol, 3,5 Dimethylphenol).
16. Total of 5 speciated phenols by HPLC includes Phenol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 14).
17. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.
18. Our MCERTS accreditation for PAHs by GCMS applies to all product types apart from Kerosene, where naphthalene only is not accredited.
19. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.
19. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.
20. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.
21. For all leachate preparations (NRA, DIN, TCLP, BSEN 12457-1, 2, 3) volatile loss may occur, as we do not employ zero headspace extraction.
22. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials – whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.
23. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C4 – C10 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

LIQUID MATRICES EXTRACTION SUMMARY

ANALYSIS	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
PAH MS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
EPH	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
EPH CWG	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
MINERAL OIL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
PCB 7 CONGENERS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
PCB TOTAL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GS MS
SVOC	DCM	LIQUID/LIQUID SHAKE	GC MS
FREE SULPHUR	DCM	SOLID PHASE EXTRACTION	HPLC
PEST OCP/OPP	DCM	LIQUID/LIQUID SHAKE	GC MS
TRIAZINE HERBS	DCM	LIQUID/LIQUID SHAKE	GC MS
PHENOLS MS	DCM	SOLID PHASE EXTRACTION	GC MS
TPH by INFRA RED (IR)	TCE	LIQUID/LIQUID EXTRACTION	HPLC
MINERAL OIL by IR	TCE	LIQUID/LIQUID EXTRACTION	HPLC
GLYCOLS	NONE	DIRECT INJECTION	GC FID

SOLID MATRICES EXTRACTION SUMMARY

ANALYSIS	D/C OR WET	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
Solvent Extractable Matter	D&C	DCM	SOXTHERM	GRAVIMETRIC
Cyclohexane Ext. Matter	D&C	CYCLOHEXANE	SOXTHERM	GRAVIMETRIC
Thin Layer Chromatography	D&C	DCM	SOXTHERM	IATROSCAN
Elemental Sulphur	D&C	DCM	SOXTHERM	HPLC
Phenols by GCMS	WET	DCM	SOXTHERM	GC-MS
Herbicides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
Pesticides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
EPH (DRO)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Min oil)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Cleaned up)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH CWG by GC	D&C	HEXANE:ACETONE	END OVER END	GC-FID
PCB tot / PCB con	D&C	HEXANE:ACETONE	END OVER END	GC-MS
Polyaromatic Hydrocarbons (MS)	WET	HEXANE:ACETONE	Microwave TM218.	GC-MS
C8-C40 (C6-C40)EZ Flash	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Polyaromatic Hydrocarbons Rapid GC	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Semi Volatile Organic Compounds	WET	DCM:ACETONE	SONICATE	GC-MS

Identification of Asbestos in Bulk Materials

The results for asbestos identification for soil samples are obtained from possible Asbestos Containing Material, removed during the 'Screening of soils for Asbestos Containing Materials', which have been examined to determine the presence of asbestos fibres using Alcontrol Laboratories (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Visual Estimation Of Fibre Content.

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: -

Trace – Where only one or two asbestos fibres were identified.

Further guidance on typical asbestos fibre content of manufactured products can be found in MDHS 100.

The identification of asbestos containing materials falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

ALcontrol Laboratories

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Entec UK Ltd
Canon Court North
Abbey Lawn
Abbey Foregate
Shrewsbury
Shropshire
SY2 5DE

Attention: Steve Dooley

CERTIFICATE OF ANALYSIS

Date:	26 July 2010		
Customer:	H_ENTEC_SHW-25		
Sample Delivery Group (SDG):	100716-54	**Report No.:**	91555
Your Reference:	12L056		
Location:	DSDC Bicester		

We received 45 samples on Friday July 16, 2010 and 45 of these samples were scheduled for analysis which was completed on Monday July 26, 2010. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

All chemical testing (unless subcontracted) is performed at ALcontrol Hawarden Laboratories.

Asbestos testing - we are not accredited for screening soil samples for asbestos fibres. We are only accredited to identify asbestos fibres in bulk material (ACM).

Approved By:

Iain Swinton

Operations Director - Land UK & Ireland

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Validated

ALcontrol Laboratories Analytical Services

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Sampled Date
1832275	BHE01	0.10 - 0.30	14/07/2010
1832273	BHE01	1.00 - 1.30	14/07/2010
1832276	BHE01	3.00 - 3.20	14/07/2010
1832277	BHE02	0.20 - 0.40	14/07/2010
1832279	BHE02	1.60 - 2.00	14/07/2010
1832281	BHE02	6.80 - 7.00	14/07/2010
1832282	TP5L	1.00	14/07/2010
1832287	TPC1	0.20	14/07/2010
1832283	TPC1	0.50	14/07/2010
1832285	TPC1	1.30	14/07/2010
1832284	TPC1	1.50	14/07/2010
1832289	TPC2	0.70	14/07/2010
1832288	TPC2	1.60	14/07/2010
1832292	TPC3	0.20	14/07/2010
1832290	TPC3	1.20	14/07/2010
1832293	TPC3	2.50	14/07/2010
1832294	TPC4	0.50	14/07/2010
1832295	TPC4	1.50	14/07/2010
1832298	TPC5	0.10	14/07/2010
1832297	TPC5	2.00	14/07/2010
1832300	TPD1	0.50	14/07/2010
1832299	TPD1	1.30	14/07/2010
1832302	TPD2	0.50	14/07/2010
1832301	TPD2	1.90	14/07/2010
1832303	TPD3	0.60	14/07/2010
1832304	TPD3	1.40	14/07/2010
1832305	TPD5	0.50 - 0.60	14/07/2010
1832307	TPD5	3.80	14/07/2010
1832309	TPD6	0.30	14/07/2010
1832308	TPD6	2.40	14/07/2010
1832312	WSD3	0.10 - 0.20	14/07/2010
1832310	WSD3	0.50 - 0.60	14/07/2010
1832313	WSD3	1.00 - 1.10	14/07/2010
1832315	WSD4	0.00 - 0.10	14/07/2010
1832314	WSD4	0.20 - 0.30	14/07/2010
1832316	WSD4	0.50 - 0.60	14/07/2010
1832317	WSD5	0.20 - 0.30	14/07/2010
1832319	WSD5	0.60 - 0.70	14/07/2010
1832320	WSD5	1.10 - 1.20	14/07/2010
1832321	WSD6	0.30 - 0.40	14/07/2010
1832322	WSD6	2.00 - 2.10	14/07/2010
1832323	WSD7	0.50 - 0.60	14/07/2010
1832324	WSD7	1.60 - 1.70	14/07/2010

Validated

ALcontrol Laboratories Analytical Services

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

1832325	WSD8	0.00 - 0.10	14/07/2010
1832326	WSD8	1.00 - 1.10	14/07/2010

Only received samples which have had analysis scheduled will be shown on the following pages.

Validated

ALcontrol Laboratories Analytical Services

SDG: 100716-54
Job: H_ENTEC_SHW-25
Client Reference: 12L056
Location: DSDC Bicester
Customer: Entec UK Ltd
Attention: Steve Dooley
Order No.:
Report No: 91555

SOLID

Results Legend

X — Test

N — No Determination Possible

Lab Sample No(s)		1832273		1832275		1832276		1832277		1832279			1832281	
Customer Sample Ref.		BHE01		BHE01		BHE01		BHE02		BHE02			BHE02	
Depth (m)		1.00 - 1.30		0.10 - 0.30		3.00 - 3.20		0.20 - 0.40		1.60 - 2.00			6.80 - 7.00	
Container		250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub
Ammonium Soil by Titration	All		X		X		X		X		X			
Asbestos Containing Material Screen	All				X									
Asbestos Identification	All													
Boron Water Soluble	All	X		X		X		X		X				
EPH CWG (Aliphatic) GC (S)	All									X				
EPH CWG (Aromatic) GC (S)	All									X				
GRO BTEX MTBE GC (S)	All											X		
Hexavalent Chromium (s)	All		X		X		X		X		X			X
Metals by iCap-OES (Soil)	Arsenic	X		X		X		X		X				
	Cadmium	X		X		X		X		X				
	Chromium	X		X		X		X		X				
	Copper	X		X		X		X		X				
	Lead	X		X		X		X		X				
	Mercury	X		X		X		X		X				
	Nickel	X		X		X		X		X				
	Selenium	X		X		X		X		X				
	Zinc	X		X		X		X		X				
PAH by GCMS	All									X				
PCBs (vs Aroclor 1254)	All													
pH	All		X		X		X		X		X			
Sample description	All	X		X		X		X		X			X	
Semi Volatile Organic Compounds	All									X				
Total Organic Carbon	All			X		X				X				

Lab Sample No(s)		1832282	1832283	1832284	1832285		1832287		1832288		1832289		1832290		1832292		1832293	
Customer Sample Ref.		TP5L	TPC1	TPC1	TPC1		TPC1		TPC2		TPC2		TPC3		TPC3		TPC3	
Depth (m)		1.00	0.50	1.50	1.30		0.20		1.60		0.70		1.20		0.20		2.50	
Container		250g Amber Jar	250g Amber Jar	250g Amber Jar	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub
Ammonium Soil by Titration	All							X				X		X		X		
Asbestos Containing Material Screen	All							X						X				
Asbestos Identification	All																	
Boron Water Soluble	All						X				X		X		X			
EPH CWG (Aliphatic) GC (S)	All																	
EPH CWG (Aromatic) GC (S)	All																	
GRO BTEX MTBE GC (S)	All																	
Hexavalent Chromium (s)	All	X	X	X		X		X		X		X		X		X		X
Metals by iCap-OES (Soil)	Arsenic						X				X		X		X			
	Cadmium						X				X		X		X			
	Chromium						X				X		X		X			
	Copper						X				X		X		X			
	Lead						X				X		X		X			
	Mercury						X				X		X		X			
	Nickel						X				X		X		X			
	Selenium						X				X		X		X			
	Zinc						X				X		X		X			
PAH by GCMS	All						X											
PCBs (vs Aroclor 1254)	All																	
pH	All							X				X		X		X		
Sample description	All	X	X	X	X		X		X		X		X		X		X	
Semi Volatile Organic Compounds	All																	
Total Organic Carbon	All												X					

Lab Sample No(s)		1832294	1832295	1832297	1832298		1832299		1832300		1832301		1832302	
Customer Sample Ref.		TPC4	TPC4	TPC5	TPC5		TPD1		TPD1		TPD2		TPD2	
Depth (m)		0.50	1.50	2.00	0.10		1.30		0.50		1.90		0.50	
Container		400g Tub	400g Tub	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub
Ammonium Soil by Titration	All	X	X			X		X		X				X
Asbestos Containing Material Screen	All													
Asbestos Identification	All													
Boron Water Soluble	All	X	X		X		X		X				X	
EPH CWG (Aliphatic) GC (S)	All													
EPH CWG (Aromatic) GC (S)	All													
GRO BTEX MTBE GC (S)	All													
Hexavalent Chromium (s)	All	X	X	X		X		X		X		X		X
Metals by iCap-OES (Soil)	Arsenic	X	X		X		X		X				X	
	Cadmium	X	X		X		X		X				X	
	Chromium	X	X		X		X		X				X	
	Copper	X	X		X		X		X				X	
	Lead	X	X		X		X		X				X	
	Mercury	X	X		X		X		X				X	
	Nickel	X	X		X		X		X				X	
	Selenium	X	X		X		X		X				X	
	Zinc	X	X		X		X		X				X	
PAH by GCMS	All				X									
PCBs (vs Aroclor 1254)	All													
pH	All	X	X			X		X		X				X
Sample description	All	X	X	X	X		X		X		X		X	
Semi Volatile Organic Compounds	All													
Total Organic Carbon	All						X							

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		Total		0 26	0 6	0 2	0 26	0 2	0 2	0 2	0 44	0 26	0 26	0 26	0 26	0 26	0 26	0 26	0 26	0 26	0 4	0 1	0 26	0 44	0 2	0 8
1832326	WSD8	1.00 - 1.10	400g Tub								X															
			250g Amber Jar																					X		
1832325	WSD8	0.00 - 0.10	400g Tub	X							X												X			
			250g Amber Jar				X					X	X	X	X	X	X	X	X	X				X		
1832324	WSD7	1.60 - 1.70	400g Tub								X															
			250g Amber Jar																					X		
1832323	WSD7	0.50 - 0.60	400g Tub	X							X												X			
			250g Amber Jar				X					X	X	X	X	X	X	X	X	X				X		
1832322	WSD6	2.00 - 2.10	400g Tub	X							X												X			
			250g Amber Jar				X					X	X	X	X	X	X	X	X	X				X		X
1832321	WSD6	0.30 - 0.40	400g Tub	X							X												X			
			250g Amber Jar				X					X	X	X	X	X	X	X	X	X				X		
1832320	WSD5	1.10 - 1.20	400g Tub								X															
			250g Amber Jar																					X		
1832319	WSD5	0.60 - 0.70	60g VOC							X																
			400g Tub	X							X												X			
			250g Amber Jar				X	X	X			X	X	X	X	X	X	X	X	X	X	X		X	X	X
1832317	WSD5	0.20 - 0.30	400g Tub	X	X	X					X												X			
			250g Amber Jar				X					X	X	X	X	X	X	X	X	X				X		
1832316	WSD4	0.50 - 0.60	400g Tub	X							X												X			
			250g Amber Jar				X					X	X	X	X	X	X	X	X	X				X		
1832315	WSD4	0.00 - 0.10	400g Tub								X													X		
1832314	WSD4	0.20 - 0.30	250g Amber Jar								X													X		
1832313	WSD3	1.00 - 1.10	400g Tub								X															
			250g Amber Jar																					X		
1832312	WSD3	0.10 - 0.20	400g Tub		X	X																				
1832310	WSD3	0.50 - 0.60	400g Tub								X															
			250g Amber Jar																					X		
1832309	TPD6	0.30	400g Tub	X							X												X			
			250g Amber Jar				X					X	X	X	X	X	X	X	X	X				X		
1832308	TPD6	2.40	400g Tub								X															
			250g Amber Jar																					X		
1832307	TPD5	3.80	400g Tub	X							X												X			
			250g Amber Jar				X					X	X	X	X	X	X	X	X	X				X		X
1832305	TPD5	0.50 - 0.60	400g Tub	X							X												X			
			250g Amber Jar				X					X	X	X	X	X	X	X	X	X				X		
1832304	TPD3	1.40	400g Tub								X															
			250g Amber Jar																					X		
1832303	TPD3	0.60	400g Tub	X	X						X												X			
			250g Amber Jar				X					X	X	X	X	X	X	X	X	X				X		

Validated

ALcontrol Laboratories Analytical Services

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

		1832273	1832275	1832276	1832277	1832279	1832281	1832282	1832283	1832284	1832285	1832287	1832288	1832289	1832290	1832292	1832293	1832294	1832295	1832297	1832298	1832299	1832300	1832301	1832302
		BHE01	BHE01	BHE01	BHE02	BHE02	BHE02	TP5L	TPC1	TPC1	TPC1	TPC1	TPC2	TPC2	TPC3	TPC3	TPC3	TPC4	TPC4	TPC5	TPC5	TPD1	TPD1	TPD2	TPD2
		1.00 - 1.30	0.10 - 0.30	3.00 - 3.20	0.20 - 0.40	1.60 - 2.00	6.80 - 7.00	1.00	0.50	1.50	1.30	0.20	1.60	0.70	1.20	0.20	2.50	0.50	1.50	2.00	0.10	1.30	0.50	1.90	0.50
		250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	250g Amber Jar	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub
TPH c6-40 Value of soil	All											X			X				X	X		X			
TPH CWG GC (S)	All					X																			
VOC MS (S)	All							X																	
Water Soluble Sulphate 2:1	All	X	X	X	X	X						X		X	X	X		X	X		X	X	X		X

Total				0 8	0 2	0 2	0 26
1832326	WSD8	1.00 - 1.10	400g Tub				
			250g Amber Jar				
1832325	WSD8	0.00 - 0.10	400g Tub				
			250g Amber Jar	X			X
1832324	WSD7	1.60 - 1.70	400g Tub				
			250g Amber Jar				
1832323	WSD7	0.50 - 0.60	400g Tub				
			250g Amber Jar				X
1832322	WSD6	2.00 - 2.10	400g Tub				
			250g Amber Jar	X			X
1832321	WSD6	0.30 - 0.40	400g Tub				
			250g Amber Jar				X
1832320	WSD5	1.10 - 1.20	400g Tub				
			250g Amber Jar				
1832319	WSD5	0.60 - 0.70	60g VOC			X	
			400g Tub				
			250g Amber Jar		X		X
1832317	WSD5	0.20 - 0.30	400g Tub				
			250g Amber Jar				X
1832316	WSD4	0.50 - 0.60	400g Tub				
			250g Amber Jar				X
1832315	WSD4	0.00 - 0.10	400g Tub				
1832314	WSD4	0.20 - 0.30	250g Amber Jar				
1832313	WSD3	1.00 - 1.10	400g Tub				
			250g Amber Jar				
1832312	WSD3	0.10 - 0.20	400g Tub				
1832310	WSD3	0.50 - 0.60	400g Tub				
			250g Amber Jar				
1832309	TPD6	0.30	400g Tub				
			250g Amber Jar				X
1832308	TPD6	2.40	400g Tub				
			250g Amber Jar				
1832307	TPD5	3.80	400g Tub				
			250g Amber Jar	X			X
1832305	TPD5	0.50 - 0.60	400g Tub				
			250g Amber Jar				X
1832304	TPD3	1.40	400g Tub				
			250g Amber Jar				
1832303	TPD3	0.60	400g Tub				
			250g Amber Jar				X

ALcontrol Laboratories Analytical Services

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

Sample Descriptions

Grain Sizes:
<0.063mm very fine,
0.063mm - 0.1mm fine,
0.1mm - 2mm medium,
2mm - 10mm coarse,
>10mm very coarse

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Grain size	Inclusions
1832273	BHE01	1.00 - 1.30	Light Brown	Clay	<0.063 mm	Vegetation
1832275	BHE01	0.10 - 0.30	Light Brown	Sandy Clay	0.1 - 2 mm	Stones
1832276	BHE01	3.00 - 3.20	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones
1832277	BHE02	0.20 - 0.40	Dark Brown	Silty Clay	0.063 - 0.1 mm	Vegetation
1832279	BHE02	1.60 - 2.00	Light Brown	Silty Clay	0.063 - 0.1 mm	Stones
1832281	BHE02	6.80 - 7.00	Dark Brown	Clay	<0.063 mm	None
1832282	TP5L	1.00	Light Brown	Clay	0.063 - 0.1 mm	None
1832283	TPC1	0.50	Light Brown	Clay	<0.063 mm	Stones
1832284	TPC1	1.50	Light Brown	Clay	0.063 - 0.1 mm	Stones
1832285	TPC1	1.30	Light Brown	Clay	<0.063 mm	None
1832287	TPC1	0.20	Dark Brown	Sandy Clay	0.1 - 2 mm	Vegetation
1832288	TPC2	1.60	Light Brown	Silty Clay	0.063 - 0.1 mm	None
1832289	TPC2	0.70	Light Brown	Silty Clay	0.063 - 0.1 mm	Stones
1832290	TPC3	1.20	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones
1832292	TPC3	0.20	Light Brown	Silty Clay	0.063 - 0.1 mm	N/A
1832293	TPC3	2.50	Light Brown	Silty Clay	0.063 - 0.1 mm	Stones
1832294	TPC4	0.50	Light Brown	Clay Loam	<0.063 mm	None
1832295	TPC4	1.50	Light Brown	Clay	<0.063 mm	Stones
1832297	TPC5	2.00	Light Brown	Clay	<0.063 mm	None
1832298	TPC5	0.10	Black	Sand	0.1 - 2 mm	Stones
1832299	TPD1	1.30	Dark Brown	Silty Clay	0.063 - 0.1 mm	Vegetation
1832300	TPD1	0.50	Light Brown	Silty Clay	0.063 - 0.1 mm	Vegetation
1832301	TPD2	1.90	Light Brown	Clay	<0.063 mm	None
1832302	TPD2	0.50	Dark Brown	Silty Clay	0.063 - 0.1 mm	Vegetation
1832303	TPD3	0.60	Light Brown	Sandy Clay	0.1 - 2 mm	Stones
1832304	TPD3	1.40	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones
1832305	TPD5	0.50 - 0.60	Light Brown	Silty Clay	0.063 - 0.1 mm	Stones
1832307	TPD5	3.80	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones
1832308	TPD6	2.40	Dark Brown	Clay Loam	0.063 - 0.1 mm	None
1832309	TPD6	0.30	Dark Brown	Silty Clay	0.063 - 0.1 mm	Vegetation

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

			Colour	Description	Grain size	Inclusions
1832310	WSD3	0.50 - 0.60	Light Brown	Silty Clay	0.063 - 0.1 mm	Stones
1832313	WSD3	1.00 - 1.10	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones
1832314	WSD4	0.20 - 0.30	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones
1832315	WSD4	0.00 - 0.10	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Vegetation
1832316	WSD4	0.50 - 0.60	Light Brown	Silty Clay	<0.063 mm	N/A
1832317	WSD5	0.20 - 0.30	Light Brown	Sandy Clay	0.1 - 2 mm	Stones
1832319	WSD5	0.60 - 0.70	Dark Brown	Silty Clay	0.063 - 0.1 mm	Oil/Petroleum
1832320	WSD5	1.10 - 1.20	Dark Brown	Clay	<0.063 mm	None
1832321	WSD6	0.30 - 0.40	Dark Brown	Silty Clay	0.063 - 0.1 mm	Vegetation
1832322	WSD6	2.00 - 2.10	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones
1832323	WSD7	0.50 - 0.60	Light Brown	Clay	<0.063 mm	Stones
1832324	WSD7	1.60 - 1.70	Light Brown	Clay	<0.063 mm	Stones
1832325	WSD8	0.00 - 0.10	Light Brown	Silty Clay	0.063 - 0.1 mm	Vegetation
1832326	WSD8	1.00 - 1.10	Light Brown	Clay	<0.063 mm	None

These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally ocurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Validated

ALcontrol Laboratories Analytical Services

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

Test Completion dates

SDG reference: 100716-54

Lab Sample No(s)	1832273	1832275	1832276	1832277	1832279	1832281	1832282	1832283	1832284	1832285	1832287	1832288
Customer Sample Ref.	BHE01	BHE01	BHE01	BHE02	BHE02	BHE02	TP5L	TPC1	TPC1	TPC1	TPC1	TPC2
Depth	1.00 - 1.30	0.10 - 0.30	3.00 - 3.20	0.20 - 0.40	1.60 - 2.00	6.80 - 7.00	1.00	0.50	1.50	1.30	0.20	1.60
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Ammonium Soil by Titration	19/07/2010	19/07/2010	19/07/2010	19/07/2010	19/07/2010						19/07/2010	
Asbestos Containing Material		16/07/2010									16/07/2010	
Asbestos Identification												
Boron Water Soluble	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010						20/07/2010	
EPH CWG (Aliphatic) GC (S)					22/07/2010							
EPH CWG (Aromatic) GC (S)					22/07/2010							
GRO by GC-FID (S)					23/07/2010							
Hexavalent Chromium (s)	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	21/07/2010	20/07/2010	20/07/2010
Metals by iCap-OES (Soil)	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010						20/07/2010	
PAH by GCMS					19/07/2010						19/07/2010	
PCBs (vs Aroclor 1254)												
pH	19/07/2010	19/07/2010	19/07/2010	19/07/2010	19/07/2010						19/07/2010	
Sample description	16/07/2010	16/07/2010	16/07/2010	16/07/2010	16/07/2010	19/07/2010	19/07/2010	19/07/2010	19/07/2010	20/07/2010	16/07/2010	19/07/2010
Semi Volatile Organic Compounds					20/07/2010							
Total Organic Carbon		20/07/2010	20/07/2010		20/07/2010							
TPH c6-40 Value of soil											22/07/2010	
TPH CWG GC (S)					23/07/2010							
VOC MS (S)					21/07/2010							
Water Soluble Sulphate 2:1	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010						20/07/2010	

1832289	1832290	1832292	1832293	1832294	1832295	1832297	1832298	1832299	1832300	1832301	1832302	1832303	1832304	1832305
TPC2	TPC3	TPC3	TPC3	TPC4	TPC4	TPC5	TPC5	TPD1	TPD1	TPD2	TPD2	TPD3	TPD3	TPD5
0.70	1.20	0.20	2.50	0.50	1.50	2.00	0.10	1.30	0.50	1.90	0.50	0.60	1.40	0.50 - 0.60
SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
19/07/2010	19/07/2010	19/07/2010		19/07/2010	19/07/2010		19/07/2010	19/07/2010	19/07/2010		19/07/2010	19/07/2010		19/07/2010
	16/07/2010											16/07/2010		
20/07/2010	20/07/2010	20/07/2010		20/07/2010	20/07/2010		20/07/2010	20/07/2010	20/07/2010		20/07/2010	20/07/2010		20/07/2010
20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	21/07/2010	20/07/2010	20/07/2010	21/07/2010	20/07/2010
20/07/2010	20/07/2010	20/07/2010		20/07/2010	20/07/2010		20/07/2010	20/07/2010	20/07/2010		20/07/2010	20/07/2010		20/07/2010
							21/07/2010							
19/07/2010	19/07/2010	19/07/2010		19/07/2010	19/07/2010		19/07/2010	19/07/2010	19/07/2010		19/07/2010	19/07/2010		19/07/2010
16/07/2010	16/07/2010	16/07/2010	19/07/2010	16/07/2010	16/07/2010	19/07/2010	16/07/2010	16/07/2010	16/07/2010	20/07/2010	16/07/2010	16/07/2010	20/07/2010	16/07/2010
	20/07/2010							20/07/2010						
	21/07/2010				20/07/2010		20/07/2010	20/07/2010						
20/07/2010	20/07/2010	20/07/2010		20/07/2010	20/07/2010		20/07/2010	20/07/2010	20/07/2010		20/07/2010	20/07/2010		20/07/2010

1832307	1832308	1832309	1832310	1832312	1832313	1832314	1832315	1832316	1832317	1832319	1832320	1832321	1832322	1832323
TPD5	TPD6	TPD6	WSD3	WSD3	WSD3	WSD4	WSD4	WSD4	WSD5	WSD5	WSD5	WSD6	WSD6	WSD7
3.80	2.40	0.30	0.50 - 0.60	0.10 - 0.20	1.00 - 1.10	0.20 - 0.30	0.00 - 0.10	0.50 - 0.60	0.20 - 0.30	0.60 - 0.70	1.10 - 1.20	0.30 - 0.40	2.00 - 2.10	0.50 - 0.60
SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
19/07/2010		19/07/2010						19/07/2010	19/07/2010	19/07/2010		19/07/2010	19/07/2010	19/07/2010
				16/07/2010					16/07/2010					
				19/07/2010					22/07/2010					
20/07/2010		20/07/2010						20/07/2010	20/07/2010	20/07/2010		20/07/2010	20/07/2010	20/07/2010
										21/07/2010				
										21/07/2010				
										26/07/2010				
20/07/2010	20/07/2010	20/07/2010	20/07/2010		20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010
20/07/2010		20/07/2010						20/07/2010	20/07/2010	20/07/2010		20/07/2010	20/07/2010	20/07/2010
										19/07/2010				
										20/07/2010				
19/07/2010		19/07/2010						19/07/2010	19/07/2010	19/07/2010		19/07/2010	19/07/2010	19/07/2010
16/07/2010	19/07/2010	16/07/2010	19/07/2010		19/07/2010	19/07/2010	19/07/2010	16/07/2010	16/07/2010	16/07/2010	19/07/2010	16/07/2010	16/07/2010	16/07/2010
										20/07/2010				
20/07/2010										20/07/2010			20/07/2010	
20/07/2010													20/07/2010	
										26/07/2010				
										21/07/2010				
20/07/2010		20/07/2010						20/07/2010	20/07/2010	20/07/2010		20/07/2010	20/07/2010	20/07/2010

1832324	1832325	1832326
WSD7	WSD8	WSD8
1.60 - 1.70	0.00 - 0.10	1.00 - 1.10
SOLID	SOLID	SOLID
	19/07/2010	
	20/07/2010	
20/07/2010	20/07/2010	20/07/2010
	20/07/2010	
	19/07/2010	
19/07/2010	16/07/2010	19/07/2010
	20/07/2010	
	20/07/2010	

ALcontrol Laboratories Analytical Services

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	BHE01	BHE01	BHE01	BHE02	BHE02	BHE02
			Depth (m)	0.10 - 0.30	1.00 - 1.30	3.00 - 3.20	0.20 - 0.40	1.60 - 2.00	6.80 - 7.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	14/07/2010	14/07/2010	14/07/2010	14/07/2010	14/07/2010	14/07/2010
			Date Received	16/07/2010	16/07/2010	16/07/2010	16/07/2010	16/07/2010	16/07/2010
			SDG Ref	100716-54	100716-54	100716-54	100716-54	100716-54	100716-54
			Lab Sample No.(s)	1832275	1832273	1832276	1832277	1832279	1832281
Asbestos Containing Material Screen	-	TM001		No ACM Detected					
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024		<15 M	<15 M	26.1 M	<15 M	<15 M	
Sulphate, 2:1 water soluble	<0.003 g/l	TM098		0.0617 M	0.21 M	1.52 M	1.26 M	1.39 M	
Soil Organic Matter (SOM)	<0.35 %	TM132		1.68 #		7.86 #		1.98 #	
pH	1 pH Units	TM133		8.16 M	7.91 M	5.69 M	7.45 M	7.52 M	
Chromium, Hexavalent	<0.6 mg/kg	TM151		<0.6 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #
Arsenic	<0.6 mg/kg	TM181		9.88 M	6.45 M	6.18 M	7.38 M	6.68 M	
Cadmium	<0.02 mg/kg	TM181		0.107 M	<0.02 M	0.551 M	0.149 M	0.0387 M	
Chromium	<0.9 mg/kg	TM181		45.3 M	59.8 M	49.6 M	44.5 M	48.5 M	
Copper	<1.4 mg/kg	TM181		41.4 M	36.9 M	31.4 M	32.6 M	30.2 M	
Lead	<0.7 mg/kg	TM181		22.3 M	19.5 M	16 M	24.5 M	17.3 M	
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	
Nickel	<0.2 mg/kg	TM181		22.2 M	19.2 M	107 M	30.9 M	23.3 M	
Selenium	<1 mg/kg	TM181		1.95 #	2.53 #	1.77 #	2.38 #	1.88 #	
Zinc	<1.9 mg/kg	TM181		95.6 M	77.3 M	248 M	117 M	74.4 M	
Boron, water soluble	<1 mg/kg	TM222		1.4 M	3.88 M	7.18 M	4.73 M	1.9 M	

ALcontrol Laboratories Analytical Services

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	BHE02
			Depth (m)	1.60 - 2.00
			Sample Type	Soil/Solid
			Date Sampled	14/07/2010
			Date Received	16/07/2010
			SDG Ref	100716-54
			Lab Sample No.(s)	1832279
Naphthalene-d8 % recovery**	%	TM218		105
Acenaphthene-d10 % recovery**	%	TM218		102
Phenanthrene-d10 % recovery**	%	TM218		101
Chrysene-d12 % recovery**	%	TM218		87.3
Perylene-d12 % recovery**	%	TM218		90
Naphthalene	<0.009 mg/kg	TM218		<0.009 M
Acenaphthylene	<0.012 mg/kg	TM218		<0.012 M
Acenaphthene	<0.008 mg/kg	TM218		<0.008 M
Fluorene	<0.01 mg/kg	TM218		<0.01 M
Phenanthrene	<0.015 mg/kg	TM218		<0.015 M
Anthracene	<0.016 mg/kg	TM218		<0.016 M
Fluoranthene	<0.017 mg/kg	TM218		<0.017 M
Pyrene	<0.015 mg/kg	TM218		<0.015 M
Benz(a)anthracene	<0.014 mg/kg	TM218		0.0225 M
Chrysene	<0.01 mg/kg	TM218		0.0222 M
Benzo(b)fluoranthene	<0.015 mg/kg	TM218		0.0204 M
Benzo(k)fluoranthene	<0.014 mg/kg	TM218		<0.014 M
Benzo(a)pyrene	<0.015 mg/kg	TM218		<0.015 M
Indeno(1,2,3-cd)pyrene	<0.018 mg/kg	TM218		<0.018 M
Dibenzo(a,h)anthracene	<0.023 mg/kg	TM218		<0.023 M
Benzo(g,h,i)perylene	<0.024 mg/kg	TM218		<0.024 M
Polyaromatic hydrocarbons, Total USEPA 16	<0.118 mg/kg	TM218		<0.118 M

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	BHE02
			Depth (m)	1.60 - 2.00
			Sample Type	Soil/Solid
			Date Sampled	14/07/2010
			Date Received	16/07/2010
			SDG Ref	100716-54
			Lab Sample No.(s)	1832279
Phenol	<0.1 mg/kg	TM157		<0.1
Pentachlorophenol	<0.1 mg/kg	TM157		<0.1
n-Nitroso-n-dipropylamine	<0.1 mg/kg	TM157		<0.1
Nitrobenzene	<0.1 mg/kg	TM157		<0.1
Isophorone	<0.1 mg/kg	TM157		<0.1
Hexachloroethane	<0.1 mg/kg	TM157		<0.1
Hexachlorocyclopentadiene	<0.1 mg/kg	TM157		<0.1
Hexachlorobutadiene	<0.1 mg/kg	TM157		<0.1
Hexachlorobenzene	<0.1 mg/kg	TM157		<0.1
n-Dioctyl phthalate	<0.1 mg/kg	TM157		<0.1
Dimethyl phthalate	<0.1 mg/kg	TM157		<0.1
Diethyl phthalate	<0.1 mg/kg	TM157		<0.1
n-Dibutyl phthalate	<0.1 mg/kg	TM157		<0.1
Dibenzofuran	<0.1 mg/kg	TM157		<0.1
Carbazole	<0.1 mg/kg	TM157		<0.1
Butylbenzyl phthalate	<0.1 mg/kg	TM157		<0.1
bis(2-Ethylhexyl) phthalate	<0.1 mg/kg	TM157		<0.1
bis(2-Chloroethoxy)methane	<0.1 mg/kg	TM157		<0.1
bis(2-Chloroethyl)ether	<0.1 mg/kg	TM157		<0.1
Azobenzene	<0.1 mg/kg	TM157		<0.1
4-Nitrophenol	<0.1 mg/kg	TM157		<0.1
4-Nitroaniline	<0.1 mg/kg	TM157		<0.1
4-Methylphenol	<0.1 mg/kg	TM157		<0.1
4-Chlorophenylphenylether	<0.1 mg/kg	TM157		<0.1
4-Chloroaniline	<0.1 mg/kg	TM157		<0.1
4-Chloro-3-methylphenol	<0.1 mg/kg	TM157		<0.1
4-Bromophenylphenylether	<0.1 mg/kg	TM157		<0.1
3-Nitroaniline	<0.1 mg/kg	TM157		<0.1
2-Nitrophenol	<0.1 mg/kg	TM157		<0.1
2-Nitroaniline	<0.1 mg/kg	TM157		<0.1
2-Methylphenol	<0.1 mg/kg	TM157		<0.1
1,2,4-Trichlorobenzene	<0.1 mg/kg	TM157		<0.1
2-Chlorophenol	<0.1 mg/kg	TM157		<0.1
2,6-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1
2,4-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1
2,4-Dimethylphenol	<0.1 mg/kg	TM157		<0.1
2,4-Dichlorophenol	<0.1 mg/kg	TM157		<0.1
2,4,6-Trichlorophenol	<0.1 mg/kg	TM157		<0.1
2,4,5-Trichlorophenol	<0.1 mg/kg	TM157		<0.1

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	BHE02
			Depth (m)	1.60 - 2.00
			Sample Type	Soil/Solid
			Date Sampled	14/07/2010
			Date Received	16/07/2010
			SDG Ref	100716-54
			Lab Sample No.(s)	1832279
1,4-Dichlorobenzene	<0.1 mg/kg	TM157		<0.1
1,3-Dichlorobenzene	<0.1 mg/kg	TM157		<0.1
1,2-Dichlorobenzene	<0.1 mg/kg	TM157		<0.1
2-Chloronaphthalene	<0.1 mg/kg	TM157		<0.1
2-Methylnaphthalene	<0.1 mg/kg	TM157		<0.1
Acenaphthylene	<0.1 mg/kg	TM157		<0.1
Acenaphthene	<0.1 mg/kg	TM157		<0.1
Anthracene	<0.1 mg/kg	TM157		<0.1
Benzo(a)anthracene	<0.1 mg/kg	TM157		<0.1
Benzo(b)fluoranthene	<0.1 mg/kg	TM157		<0.1
Benzo(k)fluoranthene	<0.1 mg/kg	TM157		<0.1
Benzo(a)pyrene	<0.1 mg/kg	TM157		<0.1
Benzo(g,h,i)perylene	<0.1 mg/kg	TM157		<0.1
Chrysene	<0.1 mg/kg	TM157		<0.1
Fluoranthene	<0.1 mg/kg	TM157		<0.1
Fluorene	<0.1 mg/kg	TM157		<0.1
Indeno(1,2,3-cd)pyrene	<0.1 mg/kg	TM157		<0.1
Phenanthrene	<0.1 mg/kg	TM157		<0.1
Pyrene	<0.1 mg/kg	TM157		<0.1
Naphthalene	<0.1 mg/kg	TM157		<0.1
Dibenzo(a,h)anthracene	<0.1 mg/kg	TM157		<0.1

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	BHE02
Depth (m)	1.60 - 2.00
Sample Type	Soil/Solid
Date Sampled	14/07/2010
Date Received	16/07/2010
SDG Ref	100716-54
Lab Sample No.(s)	1832279

Component	LOD/Units	Method	
GRO Surrogate % recovery**	%	TM089	103
GRO >C5-C12	<0.044 mg/kg	TM089	<0.044
Benzene	<0.01 mg/kg	TM089	<0.01 M
Ethylbenzene	<0.003 mg/kg	TM089	<0.003 M
Toluene	<0.002 mg/kg	TM089	<0.002 M
m,p-Xylene	<0.006 mg/kg	TM089	<0.006 M
o-Xylene	<0.003 mg/kg	TM089	<0.003 M
m,p,o-Xylene	<0.01 mg/kg	TM089	<0.01 M
BTEX, Total	<0.01 mg/kg	TM089	<0.01 M
Methyl tertiary butyl ether (MTBE)	<0.005 mg/kg	TM089	<0.005 #
Aliphatics >C5-C6	<0.01 mg/kg	TM089	<0.01
Aliphatics >C6-C8	<0.01 mg/kg	TM089	<0.01
Aliphatics >C8-C10	<0.01 mg/kg	TM089	<0.01
Aliphatics >C10-C12	<0.01 mg/kg	TM089	<0.01
Aromatics >C6-C7	<0.01 mg/kg	TM089	<0.01
Aromatics >C7-C8	<0.01 mg/kg	TM089	<0.01
Aromatics >EC8-EC10	<0.01 mg/kg	TM089	<0.01
Aromatics >EC10-EC12	<0.01 mg/kg	TM089	<0.01
Total Aliphatics >C5-C12	<0.01 mg/kg	TM089	<0.01
Total Aromatics >C6-C12	<0.01 mg/kg	TM089	<0.01
Aliphatics >C12-C16	<0.1 mg/kg	TM173	5.16
Aliphatics >C16-C21	<0.1 mg/kg	TM173	3.41
Aliphatics >C16-C35	<0.1 mg/kg	TM173	12.2
Aliphatics >C21-C35	<0.1 mg/kg	TM173	8.78
Aliphatics >C35-C44	<0.1 mg/kg	TM173	<0.1
Aromatics >EC12-EC16	<0.1 mg/kg	TM173	0.599
Aromatics >EC16-EC21	<0.1 mg/kg	TM173	3.86
Aromatics >EC21-EC35	<0.1 mg/kg	TM173	11.9
Aromatics >EC35-EC44	<0.1 mg/kg	TM173	6.92
Aromatics >EC40-EC44	<0.1 mg/kg	TM173	1.85
Total Aliphatics >C12-C44	<0.1 mg/kg	TM173	17.3
Total Aromatics >EC12-EC44	<0.1 mg/kg	TM173	23.3
Total Aliphatics >C5-35	<0.1 mg/kg	TM173	17.3
Total Aliphatics >C5-C44	<0.1 mg/kg	TM173	17.3
Total Aromatics >C5-35	<0.1 mg/kg	TM173	16.4
Total Aromatics >C6-C44	<0.1 mg/kg	TM173	23.3
Total Aliphatics & Aromatics >C5-35	<0.1 mg/kg	TM173	33.7
Total Aliphatics & Aromatics >C5-C44	<0.1 mg/kg	TM173	40.6

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	BHE02
Depth (m)	1.60 - 2.00
Sample Type	Soil/Solid
Date Sampled	14/07/2010
Date Received	16/07/2010
SDG Ref	100716-54
Lab Sample No.(s)	1832279

Component	LOD/Units	Method	
Dibromofluoromethane**	%	TM116	98.9
Toluene-d8**	%	TM116	101
4-Bromofluorobenzene**	%	TM116	111
Dichlorodifluoromethane	<0.004 mg/kg	TM116	<0.004 M
Chloromethane	<0.007 mg/kg	TM116	<0.007 #
Vinyl Chloride	<0.01 mg/kg	TM116	<0.01 #
Bromomethane	<0.013 mg/kg	TM116	<0.013 M
Chloroethane	<0.014 mg/kg	TM116	<0.014 M
Trichlorofluorormethane	<0.006 mg/kg	TM116	<0.006 M
1.1-Dichloroethene	<0.01 mg/kg	TM116	<0.01 #
Carbon Disulphide	<0.007 mg/kg	TM116	<0.007 M
Dichloromethane	<0.01 mg/kg	TM116	<0.01 #
Methyl Tertiary Butyl Ether	<0.011 mg/kg	TM116	<0.011 M
trans-1-2-Dichloroethene	<0.011 mg/kg	TM116	<0.011 M
1.1-Dichloroethane	<0.008 mg/kg	TM116	<0.008 M
cis-1-2-Dichloroethene	<0.005 mg/kg	TM116	<0.005 M
2.2-Dichloropropane	<0.012 mg/kg	TM116	<0.012 M
Bromochloromethane	<0.014 mg/kg	TM116	<0.014 M
Chloroform	<0.008 mg/kg	TM116	<0.008 M
1.1.1-Trichloroethane	<0.007 mg/kg	TM116	<0.007 M
1.1-Dichloropropene	<0.011 mg/kg	TM116	<0.011 M
Carbontetrachloride	<0.014 mg/kg	TM116	<0.014 M
1.2-Dichloroethane	<0.005 mg/kg	TM116	<0.005 M
Benzene	<0.009 mg/kg	TM116	<0.009 M
Trichloroethene	<0.009 mg/kg	TM116	<0.009 M
1.2-Dichloropropane	<0.012 mg/kg	TM116	<0.012 M
Dibromomethane	<0.009 mg/kg	TM116	<0.009 M
Bromodichloromethane	<0.007 mg/kg	TM116	<0.007 M
cis-1-3-Dichloropropene	<0.014 mg/kg	TM116	<0.014 M
Toluene	<0.005 mg/kg	TM116	<0.005 M
trans-1-3-Dichloropropene	<0.014 mg/kg	TM116	<0.014
1.1.2-Trichloroethane	<0.01 mg/kg	TM116	<0.01 M
1.3-Dichloropropane	<0.007 mg/kg	TM116	<0.007 #
Tetrachloroethene	<0.005 mg/kg	TM116	<0.005 M
Dibromochloromethane	<0.013 mg/kg	TM116	<0.013 M
1.2-Dibromoethane	<0.012 mg/kg	TM116	<0.012 M
Chorobenzene	<0.005 mg/kg	TM116	<0.005 M
1.1.1.2-Tetrachloroethane	<0.01 mg/kg	TM116	<0.01 M
Ethylbenzene	<0.004 mg/kg	TM116	<0.004 M

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	BHE02
Depth (m)	1.60 - 2.00
Sample Type	Soil/Solid
Date Sampled	14/07/2010
Date Received	16/07/2010
SDG Ref	100716-54
Lab Sample No.(s)	1832279

Component	LOD/Units	Method	
p/m-Xylene	<0.014 mg/kg	TM116	<0.014 #
o-Xylene	<0.01 mg/kg	TM116	<0.01 M
Styrene	<0.01 mg/kg	TM116	<0.01 M
Bromoform	<0.01 mg/kg	TM116	<0.01 M
Isopropylbenzene	<0.005 mg/kg	TM116	<0.005 M
1.1.2.2-Tetrachloroethane	<0.01 mg/kg	TM116	<0.01 #
1.2.3-Trichloropropane	<0.017 mg/kg	TM116	<0.017 M
Bromobenzene	<0.01 mg/kg	TM116	<0.01 M
Propylbenzene	<0.011 mg/kg	TM116	<0.011 M
2-Chlorotoluene	<0.009 mg/kg	TM116	<0.009 M
1.3.5-Trimethylbenzene	<0.008 mg/kg	TM116	<0.008 #
4-Chlorotoluene	<0.012 mg/kg	TM116	<0.012 M
tert-Butylbenzene	<0.012 mg/kg	TM116	<0.012 #
1.2.4-Trimethylbenzene	<0.009 mg/kg	TM116	<0.009 #
sec-Butylbenzene	<0.01 mg/kg	TM116	<0.01 M
4-Isopropyltoluene	<0.011 mg/kg	TM116	<0.011 M
1.3-Dichlorobenzene	<0.006 mg/kg	TM116	<0.006 M
1.4-Dichlorobenzene	<0.005 mg/kg	TM116	<0.005 M
n-Butylbenzene	<0.01 mg/kg	TM116	<0.01 M
1.2-Dichlorobenzene	<0.012 mg/kg	TM116	<0.012 M
1.2-Dibromo-3-chloropropane	<0.014 mg/kg	TM116	<0.014 M
Tert-amyl methyl ether	<0.015 mg/kg	TM116	<0.015
1.2.4-Trichlorobenzene	<0.006 mg/kg	TM116	<0.006 #
Hexachlorobutadiene	<0.012 mg/kg	TM116	<0.012 M
Naphthalene	<0.013 mg/kg	TM116	<0.013 M
1.2.3-Trichlorobenzene	<0.006 mg/kg	TM116	<0.006 M

ALcontrol Laboratories Analytical Services

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	TP5L	TPC1	TPC1	TPC1	TPC1	TPC2
			Depth (m)	1.00	0.20	0.50	1.30	1.50	0.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	14/07/2010	14/07/2010	14/07/2010	14/07/2010	14/07/2010	14/07/2010
			Date Received	16/07/2010	16/07/2010	16/07/2010	16/07/2010	16/07/2010	16/07/2010
			SDG Ref	100716-54	100716-54	100716-54	100716-54	100716-54	100716-54
			Lab Sample No.(s)	1832282	1832287	1832283	1832285	1832284	1832289
Asbestos Containing Material Screen	-	TM001			No ACM Detected				
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024			<15 M				<15 M
Sulphate, 2:1 water soluble	<0.003 g/l	TM098			0.132 M				0.0701 M
pH	1 pH Units	TM133			8.11 M				8.48 M
Chromium, Hexavalent	<0.6 mg/kg	TM151		<0.6 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #
TPH >C6-C8	<10 mg/kg	TM154			<10				
TPH >C8-C10	<10 mg/kg	TM154			<10				
TPH >C10-C12	<10 mg/kg	TM154			<10				
TPH >C12-C16	<10 mg/kg	TM154			<10				
TPH >C16-C21	<10 mg/kg	TM154			23.9				
TPH >C21-C40	<10 mg/kg	TM154			384				
TPH >C6-C40	<10 mg/kg	TM154			411 #				
Arsenic	<0.6 mg/kg	TM181			7.88 M				5.91 M
Cadmium	<0.02 mg/kg	TM181			0.248 M				0.111 M
Chromium	<0.9 mg/kg	TM181			27.2 M				53.1 M
Copper	<1.4 mg/kg	TM181			16.8 M				25 M
Lead	<0.7 mg/kg	TM181			55.8 M				14 M
Mercury	<0.14 mg/kg	TM181			<0.14 M				<0.14 M
Nickel	<0.2 mg/kg	TM181			11 M				49.8 M
Selenium	<1 mg/kg	TM181			2.87 #				1.2 #
Zinc	<1.9 mg/kg	TM181			81.4 M				96.1 M
Boron, water soluble	<1 mg/kg	TM222			2.51 M				2.85 M

Validated

ALcontrol Laboratories Analytical Services

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	TPC1
			Depth (m)	0.20
			Sample Type	Soil/Solid
			Date Sampled	14/07/2010
			Date Received	16/07/2010
			SDG Ref	100716-54
			Lab Sample No.(s)	1832287
Naphthalene-d8 % recovery**	%	TM218		100
Acenaphthene-d10 % recovery**	%	TM218		97.8
Phenanthrene-d10 % recovery**	%	TM218		99.7
Chrysene-d12 % recovery**	%	TM218		100
Perylene-d12 % recovery**	%	TM218		119
Naphthalene	<0.009 mg/kg	TM218		0.0493 M
Acenaphthylene	<0.012 mg/kg	TM218		0.0294 M
Acenaphthene	<0.008 mg/kg	TM218		0.0116 M
Fluorene	<0.01 mg/kg	TM218		0.0111 M
Phenanthrene	<0.015 mg/kg	TM218		0.186 M
Anthracene	<0.016 mg/kg	TM218		0.0735 M
Fluoranthene	<0.017 mg/kg	TM218		1.16 M
Pyrene	<0.015 mg/kg	TM218		1.2 M
Benz(a)anthracene	<0.014 mg/kg	TM218		1.07 M
Chrysene	<0.01 mg/kg	TM218		1.05 M
Benzo(b)fluoranthene	<0.015 mg/kg	TM218		1.92 M
Benzo(k)fluoranthene	<0.014 mg/kg	TM218		0.735 M
Benzo(a)pyrene	<0.015 mg/kg	TM218		1.85 M
Indeno(1,2,3-cd)pyrene	<0.018 mg/kg	TM218		1.4 M
Dibenzo(a,h)anthracene	<0.023 mg/kg	TM218		0.347 M
Benzo(g,h,i)perylene	<0.024 mg/kg	TM218		1.75 M
Polyaromatic hydrocarbons, Total USEPA 16	<0.118 mg/kg	TM218		12.8 M

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	TPC2	TPC3	TPC3	TPC3	TPC4	TPC4
			Depth (m)	1.60	0.20	1.20	2.50	0.50	1.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	14/07/2010	14/07/2010	14/07/2010	14/07/2010	14/07/2010	14/07/2010
			Date Received	16/07/2010	16/07/2010	16/07/2010	16/07/2010	16/07/2010	16/07/2010
			SDG Ref	100716-54	100716-54	100716-54	100716-54	100716-54	100716-54
			Lab Sample No.(s)	1832288	1832292	1832290	1832293	1832294	1832295
Asbestos Containing Material Screen	-	TM001				No ACM Detected			
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024			<15 M	<15 M		<15 M	<15 M
Sulphate, 2:1 water soluble	<0.003 g/l	TM098			0.0149 M	0.0593 M		0.0204 M	0.0617 M
Soil Organic Matter (SOM)	<0.35 %	TM132				11.3 #			
pH	1 pH Units	TM133			8.31 M	8.43 M		8.49 M	8.15 M
Chromium, Hexavalent	<0.6 mg/kg	TM151		<1.2 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #
TPH >C6-C8	<10 mg/kg	TM154				<10			<10
TPH >C8-C10	<10 mg/kg	TM154				<10			<10
TPH >C10-C12	<10 mg/kg	TM154				<10			<10
TPH >C12-C16	<10 mg/kg	TM154				<10			<10
TPH >C16-C21	<10 mg/kg	TM154				<10			<10
TPH >C21-C40	<10 mg/kg	TM154				<10			<10
TPH >C6-C40	<10 mg/kg	TM154				<10 #			<10 #
Arsenic	<0.6 mg/kg	TM181			11.3 M	7.7 M		12.4 M	15.2 M
Cadmium	<0.02 mg/kg	TM181			0.22 M	0.229 M		0.0735 M	0.0735 M
Chromium	<0.9 mg/kg	TM181			35.6 M	23.5 M		30 M	44.3 M
Copper	<1.4 mg/kg	TM181			28.7 M	28.5 M		15.6 M	20.1 M
Lead	<0.7 mg/kg	TM181			46.1 M	22.7 M		12.9 M	19.3 M
Mercury	<0.14 mg/kg	TM181			<0.14 M	<0.14 M		<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181			33.8 M	31.9 M		30.2 M	59.7 M
Selenium	<1 mg/kg	TM181			1.07 #	1.89 #		1.3 #	1.54 #
Zinc	<1.9 mg/kg	TM181			106 M	61.3 M		59.7 M	89.7 M
Boron, water soluble	<1 mg/kg	TM222			1.53 M	<1 M		1.64 M	1.46 M

ALcontrol Laboratories Analytical Services

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)
			TPC5	0.10	Soil/Solid	14/07/2010	16/07/2010	100716-54	1832298
			TPC5	2.00	Soil/Solid	14/07/2010	16/07/2010	100716-54	1832297
			TPD1	0.50	Soil/Solid	14/07/2010	16/07/2010	100716-54	1832300
			TPD1	1.30	Soil/Solid	14/07/2010	16/07/2010	100716-54	1832299
			TPD2	0.50	Soil/Solid	14/07/2010	16/07/2010	100716-54	1832302
			TPD2	1.90	Soil/Solid	14/07/2010	16/07/2010	100716-54	1832301
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024	<15 M			<15 M	<15 M	<15 M	
Sulphate, 2:1 water soluble	<0.003 g/l	TM098	0.0504 M			0.119 M	0.546 M	0.254 M	
Soil Organic Matter (SOM)	<0.35 %	TM132					8.9 #		
pH	1 pH Units	TM133	8.09 M			8.35 M	6.01 M	5.47 M	
Chromium, Hexavalent	<0.6 mg/kg	TM151	<0.6 #	<0.6 #		<0.6 #	<0.6 #	<0.6 #	<0.6 #
TPH >C6-C8	<10 mg/kg	TM154	<10				<10		
TPH >C8-C10	<10 mg/kg	TM154	<10				<10		
TPH >C10-C12	<10 mg/kg	TM154	<10				16.8		
TPH >C12-C16	<10 mg/kg	TM154	<10				<10		
TPH >C16-C21	<10 mg/kg	TM154	21.4				31.2		
TPH >C21-C40	<10 mg/kg	TM154	171				403		
TPH >C6-C40	<10 mg/kg	TM154	197 #				458 #		
Arsenic	<0.6 mg/kg	TM181	10.5 M			10.9 M	6.88 M	5.56 M	
Cadmium	<0.02 mg/kg	TM181	0.173 M			<0.02 M	0.418 M	<0.02 M	
Chromium	<0.9 mg/kg	TM181	31.8 M			56.8 M	44.3 M	46.1 M	
Copper	<1.4 mg/kg	TM181	75.4 M			26.9 M	22.5 M	28.3 M	
Lead	<0.7 mg/kg	TM181	50.6 M			15.7 M	30.2 M	15.1 M	
Mercury	<0.14 mg/kg	TM181	<0.14 M			<0.14 M	<0.14 M	<0.14 M	
Nickel	<0.2 mg/kg	TM181	85.4 M			46.1 M	22.2 M	18.7 M	
Selenium	<1 mg/kg	TM181	1.78 #			1.48 #	1.58 #	1.97 #	
Zinc	<1.9 mg/kg	TM181	74.3 M			88.4 M	82.2 M	60 M	
Boron, water soluble	<1 mg/kg	TM222	<1 M			4.09 M	5.04 M	1.69 M	

ALcontrol Laboratories Analytical Services

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	TPC5
Depth (m)	0.10
Sample Type	Soil/Solid
Date Sampled	14/07/2010
Date Received	16/07/2010
SDG Ref	100716-54
Lab Sample No.(s)	1832298

Component	LOD/Units	Method		
Naphthalene-d8 % recovery**	%	TM218	96	
Acenaphthene-d10 % recovery**	%	TM218	99.6	
Phenanthrene-d10 % recovery**	%	TM218	96.2	
Chrysene-d12 % recovery**	%	TM218	76.3	
Perylene-d12 % recovery**	%	TM218	70.1	
Naphthalene	<0.009 mg/kg	TM218	0.169	M
Acenaphthylene	<0.012 mg/kg	TM218	0.0561	M
Acenaphthene	<0.008 mg/kg	TM218	0.0493	M
Fluorene	<0.01 mg/kg	TM218	0.0485	M
Phenanthrene	<0.015 mg/kg	TM218	0.946	M
Anthracene	<0.016 mg/kg	TM218	0.17	M
Fluoranthene	<0.017 mg/kg	TM218	1.47	M
Pyrene	<0.015 mg/kg	TM218	1.17	M
Benz(a)anthracene	<0.014 mg/kg	TM218	0.75	M
Chrysene	<0.01 mg/kg	TM218	0.546	M
Benzo(b)fluoranthene	<0.015 mg/kg	TM218	0.943	M
Benzo(k)fluoranthene	<0.014 mg/kg	TM218	0.288	M
Benzo(a)pyrene	<0.015 mg/kg	TM218	0.639	M
Indeno(1,2,3-cd)pyrene	<0.018 mg/kg	TM218	0.263	M
Dibenzo(a,h)anthracene	<0.023 mg/kg	TM218	0.0799	M
Benzo(g,h,i)perylene	<0.024 mg/kg	TM218	0.297	M
Polyaromatic hydrocarbons, Total USEPA 16	<0.118 mg/kg	TM218	7.89	M

Validated

ALcontrol Laboratories Analytical Services

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	TPD3	TPD3	TPD5	TPD5	TPD6	TPD6
			Depth (m)	0.60	1.40	0.50 - 0.60	3.80	0.30	2.40
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	14/07/2010	14/07/2010	14/07/2010	14/07/2010	14/07/2010	14/07/2010
			Date Received	16/07/2010	16/07/2010	16/07/2010	16/07/2010	16/07/2010	16/07/2010
			SDG Ref	100716-54	100716-54	100716-54	100716-54	100716-54	100716-54
			Lab Sample No.(s)	1832303	1832304	1832305	1832307	1832309	1832308
Asbestos Containing Material Screen	-	TM001		No ACM Detected					
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024		<15 M		<15 M	138 M	<15 M	
Sulphate, 2:1 water soluble	<0.003 g/l	TM098		1.42 M		0.0386 M	0.0282 M	0.0255 M	
Soil Organic Matter (SOM)	<0.35 %	TM132					1.05 #		
pH	1 pH Units	TM133		7.43 M		8.54 M	7.62 M	8.3 M	
Chromium, Hexavalent	<0.6 mg/kg	TM151		<0.6 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #
TPH >C6-C8	<10 mg/kg	TM154					<10		
TPH >C8-C10	<10 mg/kg	TM154					<10		
TPH >C10-C12	<10 mg/kg	TM154					<10		
TPH >C12-C16	<10 mg/kg	TM154					<10		
TPH >C16-C21	<10 mg/kg	TM154					<10		
TPH >C21-C40	<10 mg/kg	TM154					86.1		
TPH >C6-C40	<10 mg/kg	TM154					89.1 #		
Arsenic	<0.6 mg/kg	TM181		7.12 M		8.93 M	10.7 M	9.66 M	
Cadmium	<0.02 mg/kg	TM181		0.376 M		0.484 M	0.455 M	0.395 M	
Chromium	<0.9 mg/kg	TM181		54.2 M		44.2 M	54 M	46.6 M	
Copper	<1.4 mg/kg	TM181		31 M		18 M	20.9 M	21.4 M	
Lead	<0.7 mg/kg	TM181		14.4 M		15.9 M	19.1 M	21.2 M	
Mercury	<0.14 mg/kg	TM181		<0.14 M		<0.14 M	<0.14 M	<0.14 M	
Nickel	<0.2 mg/kg	TM181		55.1 M		27.1 M	37.2 M	30.8 M	
Selenium	<1 mg/kg	TM181		2.71 #		1.58 #	2.11 #	1.88 #	
Zinc	<1.9 mg/kg	TM181		123 M		76.2 M	114 M	102 M	
Boron, water soluble	<1 mg/kg	TM222		2.74 M		3.39 M	3.68 M	1.26 M	

Validated

ALcontrol Laboratories Analytical Services

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSD3	WSD3	WSD3	WSD4	WSD4	WSD4
			Depth (m)	0.10 - 0.20	0.50 - 0.60	1.00 - 1.10	0.00 - 0.10	0.20 - 0.30	0.50 - 0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	14/07/2010	14/07/2010	14/07/2010	14/07/2010	14/07/2010	14/07/2010
			Date Received	16/07/2010	16/07/2010	16/07/2010	16/07/2010	16/07/2010	16/07/2010
			SDG Ref	100716-54	100716-54	100716-54	100716-54	100716-54	100716-54
			Lab Sample No.(s)	1832312	1832310	1832313	1832315	1832314	1832316
Asbestos Containing Material Screen	-	TM001		Possible ACM Detect					
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024							<15 M
Sulphate, 2:1 water soluble	<0.003 g/l	TM098							0.212 M
pH	1 pH Units	TM133							8.13 M
Chromium, Hexavalent	<0.6 mg/kg	TM151			<0.6 #	<0.6 #	<3 #	<1.2 #	<0.6 #
Arsenic	<0.6 mg/kg	TM181							9.59 M
Cadmium	<0.02 mg/kg	TM181							0.353 M
Chromium	<0.9 mg/kg	TM181							49.6 M
Copper	<1.4 mg/kg	TM181							26 M
Lead	<0.7 mg/kg	TM181							17.1 M
Mercury	<0.14 mg/kg	TM181							<0.14 M
Nickel	<0.2 mg/kg	TM181							44.6 M
Selenium	<1 mg/kg	TM181							1.98 #
Zinc	<1.9 mg/kg	TM181							120 M
Boron, water soluble	<1 mg/kg	TM222							3.81 M

Validated

ALcontrol Laboratories Analytical Services

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)
			WSD5	0.20 - 0.30	Soil/Solid	14/07/2010	16/07/2010	100716-54	1832317
			WSD5	0.60 - 0.70	Soil/Solid	14/07/2010	16/07/2010	100716-54	1832319
			WSD5	1.10 - 1.20	Soil/Solid	14/07/2010	16/07/2010	100716-54	1832320
			WSD6	0.30 - 0.40	Soil/Solid	14/07/2010	16/07/2010	100716-54	1832321
			WSD6	2.00 - 2.10	Soil/Solid	14/07/2010	16/07/2010	100716-54	1832322
			WSD7	0.50 - 0.60	Soil/Solid	14/07/2010	16/07/2010	100716-54	1832323
Asbestos Containing Material Screen	-	TM001	No ACM Detected						
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024	<15 M	<15 M		<15 M	32.3 M	<15 M	
Sulphate, 2:1 water soluble	<0.003 g/l	TM098	0.0234 M	1.47 M		0.004 M	1.63 M	1.09 M	
Soil Organic Matter (SOM)	<0.35 %	TM132		7.48 #			9.69 #		
pH	1 pH Units	TM133	8.15 M	6.54 M		7.39 M	5.66 M	5.58 M	
Chromium, Hexavalent	<0.6 mg/kg	TM151	<0.6 #	<0.6 #	<3 #	<0.6 #	<0.6 #	<1.2 #	
TPH >C6-C8	<10 mg/kg	TM154					<10		
TPH >C8-C10	<10 mg/kg	TM154					<10		
TPH >C10-C12	<10 mg/kg	TM154					<10		
TPH >C12-C16	<10 mg/kg	TM154					<10		
TPH >C16-C21	<10 mg/kg	TM154					26.9		
TPH >C21-C40	<10 mg/kg	TM154					348		
TPH >C6-C40	<10 mg/kg	TM154					381 #		
Arsenic	<0.6 mg/kg	TM181	9.52 M	5.8 M		6.94 M	7.16 M	8.28 M	
Cadmium	<0.02 mg/kg	TM181	0.587 M	0.16 M		1 M	0.888 M	<0.02 M	
Chromium	<0.9 mg/kg	TM181	59 M	53.4 M		76.4 M	53.9 M	53.6 M	
Copper	<1.4 mg/kg	TM181	37.9 M	44.4 M		50.4 M	37.6 M	29.4 M	
Lead	<0.7 mg/kg	TM181	20.6 M	13.7 M		19.9 M	11.8 M	16.5 M	
Mercury	<0.14 mg/kg	TM181	<0.14 M	<0.14 M		<0.14 M	<0.14 M	<0.14 M	
Nickel	<0.2 mg/kg	TM181	48.4 M	34.4 M		56.7 M	108 M	23.3 M	
Selenium	<1 mg/kg	TM181	2.66 #	3.61 #		3.46 #	3.22 #	1.93 #	
Zinc	<1.9 mg/kg	TM181	123 M	85.6 M		146 M	288 M	79.7 M	
Boron, water soluble	<1 mg/kg	TM222	1.82 M	1.56 M		3.93 M	5.29 M	1.33 M	

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSD5
Depth (m)	0.60 - 0.70
Sample Type	Soil/Solid
Date Sampled	14/07/2010
Date Received	16/07/2010
SDG Ref	100716-54
Lab Sample No.(s)	1832319

Component	LOD/Units	Method		
Naphthalene-d8 % recovery**	%	TM218	107	
Acenaphthene-d10 % recovery**	%	TM218	110	
Phenanthrene-d10 % recovery**	%	TM218	116	
Chrysene-d12 % recovery**	%	TM218	103	
Perylene-d12 % recovery**	%	TM218	111	
Naphthalene	<0.009 mg/kg	TM218	0.0636	M
Acenaphthylene	<0.012 mg/kg	TM218	<0.012	M
Acenaphthene	<0.008 mg/kg	TM218	0.134	M
Fluorene	<0.01 mg/kg	TM218	0.783	M
Phenanthrene	<0.015 mg/kg	TM218	1.55	M
Anthracene	<0.016 mg/kg	TM218	0.264	M
Fluoranthene	<0.017 mg/kg	TM218	0.0626	M
Pyrene	<0.015 mg/kg	TM218	0.106	M
Benz(a)anthracene	<0.014 mg/kg	TM218	<0.014	M
Chrysene	<0.01 mg/kg	TM218	0.0281	M
Benzo(b)fluoranthene	<0.015 mg/kg	TM218	<0.015	M
Benzo(k)fluoranthene	<0.014 mg/kg	TM218	<0.014	M
Benzo(a)pyrene	<0.015 mg/kg	TM218	<0.015	M
Indeno(1,2,3-cd)pyrene	<0.018 mg/kg	TM218	<0.018	M
Dibenzo(a,h)anthracene	<0.023 mg/kg	TM218	<0.023	M
Benzo(g,h,i)perylene	<0.024 mg/kg	TM218	<0.024	M
Polyaromatic hydrocarbons, Total USEPA 16	<0.118 mg/kg	TM218	2.99	M

Validated

ALcontrol Laboratories Analytical Services

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

PCBs (vs Aroclor 1254)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSD5
Depth (m)	0.60 - 0.70
Sample Type	Soil/Solid
Date Sampled	14/07/2010
Date Received	16/07/2010
SDG Ref	100716-54
Lab Sample No.(s)	1832319

Component	LOD/Units	Method	
PCBs (vs Aroclor 1254)	<0.035 mg/kg	TM070	<0.035 #

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSD5
			Depth (m)	0.60 - 0.70
			Sample Type	Soil/Solid
			Date Sampled	14/07/2010
			Date Received	16/07/2010
			SDG Ref	100716-54
			Lab Sample No.(s)	1832319
Phenol	<0.1 mg/kg	TM157		<0.1
Pentachlorophenol	<0.1 mg/kg	TM157		<0.1
n-Nitroso-n-dipropylamine	<0.1 mg/kg	TM157		<0.1
Nitrobenzene	<0.1 mg/kg	TM157		<0.1
Isophorone	<0.1 mg/kg	TM157		<0.1
Hexachloroethane	<0.1 mg/kg	TM157		<0.1
Hexachlorocyclopentadiene	<0.1 mg/kg	TM157		<0.1
Hexachlorobutadiene	<0.1 mg/kg	TM157		<0.1
Hexachlorobenzene	<0.1 mg/kg	TM157		<0.1
n-Dioctyl phthalate	<0.1 mg/kg	TM157		<0.1
Dimethyl phthalate	<0.1 mg/kg	TM157		<0.1
Diethyl phthalate	<0.1 mg/kg	TM157		<0.1
n-Dibutyl phthalate	<0.1 mg/kg	TM157		<0.1
Dibenzofuran	<0.1 mg/kg	TM157		<0.1
Carbazole	<0.1 mg/kg	TM157		<0.1
Butylbenzyl phthalate	<0.1 mg/kg	TM157		<0.1
bis(2-Ethylhexyl) phthalate	<0.1 mg/kg	TM157		<0.1
bis(2-Chloroethoxy)methane	<0.1 mg/kg	TM157		<0.1
bis(2-Chloroethyl)ether	<0.1 mg/kg	TM157		<0.1
Azobenzene	<0.1 mg/kg	TM157		<0.1
4-Nitrophenol	<0.1 mg/kg	TM157		<0.1
4-Nitroaniline	<0.1 mg/kg	TM157		<0.1
4-Methylphenol	<0.1 mg/kg	TM157		<0.1
4-Chlorophenylphenylether	<0.1 mg/kg	TM157		<0.1
4-Chloroaniline	<0.1 mg/kg	TM157		<0.1
4-Chloro-3-methylphenol	<0.1 mg/kg	TM157		<0.1
4-Bromophenylphenylether	<0.1 mg/kg	TM157		<0.1
3-Nitroaniline	<0.1 mg/kg	TM157		<0.1
2-Nitrophenol	<0.1 mg/kg	TM157		<0.1
2-Nitroaniline	<0.1 mg/kg	TM157		<0.1
2-Methylphenol	<0.1 mg/kg	TM157		<0.1
1,2,4-Trichlorobenzene	<0.1 mg/kg	TM157		<0.1
2-Chlorophenol	<0.1 mg/kg	TM157		<0.1
2,6-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1
2,4-Dinitrotoluene	<0.1 mg/kg	TM157		0.184
2,4-Dimethylphenol	<0.1 mg/kg	TM157		<0.1
2,4-Dichlorophenol	<0.1 mg/kg	TM157		<0.1
2,4,6-Trichlorophenol	<0.1 mg/kg	TM157		<0.1
2,4,5-Trichlorophenol	<0.1 mg/kg	TM157		<0.1

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSD5
Depth (m)	0.60 - 0.70
Sample Type	Soil/Solid
Date Sampled	14/07/2010
Date Received	16/07/2010
SDG Ref	100716-54
Lab Sample No.(s)	1832319

Component	LOD/Units	Method	
1,4-Dichlorobenzene	<0.1	mg/kg	TM157	<0.1
1,3-Dichlorobenzene	<0.1	mg/kg	TM157	<0.1
1,2-Dichlorobenzene	<0.1	mg/kg	TM157	<0.1
2-Chloronaphthalene	<0.1	mg/kg	TM157	<0.1
2-Methylnaphthalene	<0.1	mg/kg	TM157	<0.1
Acenaphthylene	<0.1	mg/kg	TM157	<0.1
Acenaphthene	<0.1	mg/kg	TM157	<0.1
Anthracene	<0.1	mg/kg	TM157	<0.1
Benzo(a)anthracene	<0.1	mg/kg	TM157	<0.1
Benzo(b)fluoranthene	<0.1	mg/kg	TM157	<0.1
Benzo(k)fluoranthene	<0.1	mg/kg	TM157	<0.1
Benzo(a)pyrene	<0.1	mg/kg	TM157	<0.1
Benzo(g,h,i)perylene	<0.1	mg/kg	TM157	<0.1
Chrysene	<0.1	mg/kg	TM157	<0.1
Fluoranthene	<0.1	mg/kg	TM157	<0.1
Fluorene	<0.1	mg/kg	TM157	0.229
Indeno(1,2,3-cd)pyrene	<0.1	mg/kg	TM157	<0.1
Phenanthrene	<0.1	mg/kg	TM157	0.406
Pyrene	<0.1	mg/kg	TM157	<0.1
Naphthalene	<0.1	mg/kg	TM157	<0.1
Dibenzo(a,h)anthracene	<0.1	mg/kg	TM157	<0.1

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSD5
Depth (m)	0.60 - 0.70
Sample Type	Soil/Solid
Date Sampled	14/07/2010
Date Received	16/07/2010
SDG Ref	100716-54
Lab Sample No.(s)	1832319

Component	LOD/Units	Method		
GRO Surrogate % recovery**	%	TM089	49	
GRO >C5-C12	<0.044 mg/kg	TM089	8.96	
Benzene	<0.01 mg/kg	TM089	<0.01	M
Ethylbenzene	<0.003 mg/kg	TM089	<0.003	M
Toluene	<0.002 mg/kg	TM089	<0.002	M
m,p-Xylene	<0.006 mg/kg	TM089	<0.006	M
o-Xylene	<0.003 mg/kg	TM089	<0.003	M
m,p,o-Xylene	<0.01 mg/kg	TM089	<0.01	M
BTEX, Total	<0.01 mg/kg	TM089	<0.01	M
Methyl tertiary butyl ether (MTBE)	<0.005 mg/kg	TM089	<0.005	#
Aliphatics >C5-C6	<0.01 mg/kg	TM089	0.0218	
Aliphatics >C6-C8	<0.01 mg/kg	TM089	0.166	
Aliphatics >C8-C10	<0.01 mg/kg	TM089	0.862	
Aliphatics >C10-C12	<0.01 mg/kg	TM089	2.65	
Aromatics >C6-C7	<0.01 mg/kg	TM089	<0.01	
Aromatics >C7-C8	<0.01 mg/kg	TM089	<0.01	
Aromatics >EC8-EC10	<0.01 mg/kg	TM089	1.29	
Aromatics >EC10-EC12	<0.01 mg/kg	TM089	3.97	
Total Aliphatics >C5-C12	<0.01 mg/kg	TM089	3.7	
Total Aromatics >C6-C12	<0.01 mg/kg	TM089	5.26	
Aliphatics >C12-C16	<0.1 mg/kg	TM173	192	
Aliphatics >C16-C21	<0.1 mg/kg	TM173	333	
Aliphatics >C16-C35	<0.1 mg/kg	TM173	490	
Aliphatics >C21-C35	<0.1 mg/kg	TM173	157	
Aliphatics >C35-C44	<0.1 mg/kg	TM173	<0.1	
Aromatics >EC12-EC16	<0.1 mg/kg	TM173	24.7	
Aromatics >EC16-EC21	<0.1 mg/kg	TM173	53.9	
Aromatics >EC21-EC35	<0.1 mg/kg	TM173	59.5	
Aromatics >EC35-EC44	<0.1 mg/kg	TM173	16.4	
Aromatics >EC40-EC44	<0.1 mg/kg	TM173	5.39	
Total Aliphatics >C12-C44	<0.1 mg/kg	TM173	682	
Total Aromatics >EC12-EC44	<0.1 mg/kg	TM173	154	
Total Aliphatics >C5-35	<0.1 mg/kg	TM173	686	
Total Aliphatics >C5-C44	<0.1 mg/kg	TM173	686	
Total Aromatics >C5-35	<0.1 mg/kg	TM173	143	
Total Aromatics >C6-C44	<0.1 mg/kg	TM173	160	
Total Aliphatics & Aromatics >C5-35	<0.1 mg/kg	TM173	829	
Total Aliphatics & Aromatics >C5-C44	<0.1 mg/kg	TM173	845	

ALcontrol Laboratories Analytical Services

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSD5
			Depth (m)	0.60 - 0.70
			Sample Type	Soil/Solid
			Date Sampled	14/07/2010
			Date Received	16/07/2010
			SDG Ref	100716-54
			Lab Sample No.(s)	1832319
Dibromofluoromethane**	%	TM116		90.5
Toluene-d8**	%	TM116		88.1
4-Bromofluorobenzene**	%	TM116		167
Dichlorodifluoromethane	<0.004 mg/kg	TM116		<0.004 M
Chloromethane	<0.007 mg/kg	TM116		<0.007 #
Vinyl Chloride	<0.01 mg/kg	TM116		<0.01 #
Bromomethane	<0.013 mg/kg	TM116		<0.013 M
Chloroethane	<0.014 mg/kg	TM116		<0.014 M
Trichlorofluorormethane	<0.006 mg/kg	TM116		<0.006 M
1.1-Dichloroethene	<0.01 mg/kg	TM116		<0.01 #
Carbon Disulphide	<0.007 mg/kg	TM116		0.0403 M
Dichloromethane	<0.01 mg/kg	TM116		<0.01 #
Methyl Tertiary Butyl Ether	<0.011 mg/kg	TM116		<0.011 M
trans-1-2-Dichloroethene	<0.011 mg/kg	TM116		<0.011 M
1.1-Dichloroethane	<0.008 mg/kg	TM116		<0.008 M
cis-1-2-Dichloroethene	<0.005 mg/kg	TM116		<0.005 M
2.2-Dichloropropane	<0.012 mg/kg	TM116		<0.012 M
Bromochloromethane	<0.014 mg/kg	TM116		<0.014 M
Chloroform	<0.008 mg/kg	TM116		<0.008 M
1.1.1-Trichloroethane	<0.007 mg/kg	TM116		<0.007 M
1.1-Dichloropropene	<0.011 mg/kg	TM116		<0.011 M
Carbontetrachloride	<0.014 mg/kg	TM116		<0.014 M
1.2-Dichloroethane	<0.005 mg/kg	TM116		<0.005 M
Benzene	<0.009 mg/kg	TM116		<0.009 M
Trichloroethene	<0.009 mg/kg	TM116		<0.009 M
1.2-Dichloropropane	<0.012 mg/kg	TM116		<0.012 M
Dibromomethane	<0.009 mg/kg	TM116		<0.009 M
Bromodichloromethane	<0.007 mg/kg	TM116		<0.007 M
cis-1-3-Dichloropropene	<0.014 mg/kg	TM116		<0.014 M
Toluene	<0.005 mg/kg	TM116		<0.005 M
trans-1-3-Dichloropropene	<0.014 mg/kg	TM116		<0.014
1.1.2-Trichloroethane	<0.01 mg/kg	TM116		<0.01 M
1.3-Dichloropropane	<0.007 mg/kg	TM116		<0.007 #
Tetrachloroethene	<0.005 mg/kg	TM116		<0.005 M
Dibromochloromethane	<0.013 mg/kg	TM116		<0.013 M
1.2-Dibromoethane	<0.012 mg/kg	TM116		<0.012 M
Chorobenzene	<0.005 mg/kg	TM116		<0.005 M
1.1.1.2-Tetrachloroethane	<0.01 mg/kg	TM116		<0.01 M
Ethylbenzene	<0.004 mg/kg	TM116		<0.004 M

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSD5
Depth (m)	0.60 - 0.70
Sample Type	Soil/Solid
Date Sampled	14/07/2010
Date Received	16/07/2010
SDG Ref	100716-54
Lab Sample No.(s)	1832319

Component	LOD/Units	Method	
p/m-Xylene	<0.014 mg/kg	TM116	<0.014 #
o-Xylene	<0.01 mg/kg	TM116	<0.01 M
Styrene	<0.01 mg/kg	TM116	<0.01 M
Bromoform	<0.01 mg/kg	TM116	<0.01 M
Isopropylbenzene	<0.005 mg/kg	TM116	0.0468 M
1.1.2.2-Tetrachloroethane	<0.01 mg/kg	TM116	<0.01 #
1.2.3-Trichloropropane	<0.017 mg/kg	TM116	<0.017 M
Bromobenzene	<0.01 mg/kg	TM116	<0.01 M
Propylbenzene	<0.011 mg/kg	TM116	0.0502 M
2-Chlorotoluene	<0.009 mg/kg	TM116	<0.009 M
1.3.5-Trimethylbenzene	<0.008 mg/kg	TM116	<0.008 #
4-Chlorotoluene	<0.012 mg/kg	TM116	<0.012 M
tert-Butylbenzene	<0.012 mg/kg	TM116	<0.012 #
1.2.4-Trimethylbenzene	<0.009 mg/kg	TM116	0.0175 #
sec-Butylbenzene	<0.01 mg/kg	TM116	0.229 M
4-Isopropyltoluene	<0.011 mg/kg	TM116	0.0553 M
1.3-Dichlorobenzene	<0.006 mg/kg	TM116	<0.006 M
1.4-Dichlorobenzene	<0.005 mg/kg	TM116	<0.005 M
n-Butylbenzene	<0.01 mg/kg	TM116	<0.01 M
1.2-Dichlorobenzene	<0.012 mg/kg	TM116	<0.012 M
1.2-Dibromo-3-chloropropane	<0.014 mg/kg	TM116	<0.014 M
Tert-amyl methyl ether	<0.015 mg/kg	TM116	<0.015
1.2.4-Trichlorobenzene	<0.006 mg/kg	TM116	<0.006 #
Hexachlorobutadiene	<0.012 mg/kg	TM116	<0.012 M
Naphthalene	<0.013 mg/kg	TM116	<0.013 M
1.2.3-Trichlorobenzene	<0.006 mg/kg	TM116	<0.006 M

ALcontrol Laboratories Analytical Services

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	WSD7	WSD8	WSD8
										1.60 - 1.70	0.00 - 0.10	1.00 - 1.10
										Soil/Solid	Soil/Solid	Soil/Solid
										14/07/2010	14/07/2010	14/07/2010
										16/07/2010	16/07/2010	16/07/2010
										100716-54	100716-54	100716-54
										1832324	1832325	1832326
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024									<15 M	
Sulphate, 2:1 water soluble	<0.003 g/l	TM098									0.133 M	
pH	1 pH Units	TM133									7.82 M	
Chromium, Hexavalent	<0.6 mg/kg	TM151								<0.6 #	<1.2 #	<0.6 #
TPH >C6-C8	<10 mg/kg	TM154									<10	
TPH >C8-C10	<10 mg/kg	TM154									<10	
TPH >C10-C12	<10 mg/kg	TM154									<10	
TPH >C12-C16	<10 mg/kg	TM154									<10	
TPH >C16-C21	<10 mg/kg	TM154									<10	
TPH >C21-C40	<10 mg/kg	TM154									119	
TPH >C6-C40	<10 mg/kg	TM154									127 #	
Arsenic	<0.6 mg/kg	TM181									7.71 M	
Cadmium	<0.02 mg/kg	TM181									0.21 M	
Chromium	<0.9 mg/kg	TM181									52.6 M	
Copper	<1.4 mg/kg	TM181									23.8 M	
Lead	<0.7 mg/kg	TM181									24.8 M	
Mercury	<0.14 mg/kg	TM181									<0.14 M	
Nickel	<0.2 mg/kg	TM181									23.4 M	
Selenium	<1 mg/kg	TM181									1.95 #	
Zinc	<1.9 mg/kg	TM181									83.9 M	
Boron, water soluble	<1 mg/kg	TM222									3.19 M	

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
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ASSOCIATED AQC DATA

Ammonium Soil by Titration

Component	Method Code	QC 13	QC 17	QC 15
Exchangeable Ammonium as NH4	TM024	**88.97** 80.84 : 103.27	**87.18** 80.84 : 103.27	**88.08** 80.84 : 103.27

Boron Water Soluble

Component	Method Code	QC 17	QC 11	QC 16	QC 12	QC 14
Water Soluble Boron	TM222	**100.80** 82.59 : 112.64	**104.95** 82.59 : 112.64	**100.20** 82.59 : 112.64	**98.80** 82.59 : 112.64	**99.20** 82.59 : 112.64

EPH CWG (Aliphatic) GC (S)

Component	Method Code	QC 15	QC 14
Total Aliphatics >C12-C35	TM173	**77.51** 60.00 : 116.88	**81.79** 66.13 : 101.56

EPH CWG (Aromatic) GC (S)

Component	Method Code	QC 15
Total Aromatics >EC12-EC35	TM173	**79.23** 64.98 : 117.66

Hexavalent Chromium (s)

Component	Method Code	QC 11	QC 13	QC 13	QC 13
Hexavalent Chromium	TM151	**112.80** 76.40 : 131.80	**109.40** 76.40 : 131.80	**117.80** 76.40 : 131.80	**108.40** 76.40 : 131.80

Metals by iCap-OES (Soil)

Component	Method Code	QC 16	QC 18	QC 15	QC 11	QC 10	QC 13
Aluminium	TM181	**112.20** 95.21 : 133.11	**108.50** 95.21 : 133.11	**108.11** 95.21 : 133.11	**109.67** 95.21 : 133.11	**102.37** 95.21 : 133.11	**118.24** 95.21 : 133.11
Antimony	TM181	**113.55** 63.92 : 138.56	**88.97** 63.92 : 138.56	**97.82** 63.92 : 138.56	**104.62** 63.92 : 138.56	**120.94** 63.92 : 138.56	**111.91** 63.92 : 138.56
Arsenic	TM181	**104.22** 77.96 : 122.04	**93.28** 77.96 : 122.04	**98.45** 77.96 : 122.04	**100.34** 77.96 : 122.04	**107.24** 77.96 : 122.04	**101.72** 77.96 : 122.04
Barium	TM181	**101.42** 90.49 : 117.24	**98.09** 90.49 : 117.24	**97.90** 90.49 : 117.24	**105.34** 90.49 : 117.24	**90.84** 90.49 : 117.24	**105.14** 90.49 : 117.24
Beryllium	TM181	**112.86** 77.50 : 122.50	**85.94** 77.50 : 122.50	**95.87** 77.50 : 122.50	**103.31** 77.50 : 122.50	**102.48** 77.50 : 122.50	**108.36** 77.50 : 122.50
Boron	TM181	**99.64** 82.46 : 141.11	**93.55** 82.46 : 141.11	**93.82** 82.46 : 141.11	**108.59** 82.46 : 141.11	**104.30** 82.46 : 141.11	**114.32** 82.46 : 141.11

SDG:	100716-54	**Customer:**	Entec UK Ltd
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		QC 16	QC 18	QC 15	QC 11	QC 10	QC 13
Cadmium	TM181	**113.37** 77.50 : 122.50	**86.13** 77.50 : 122.50	**95.36** 77.50 : 122.50	**104.18** 77.50 : 122.50	**120.51** 77.50 : 122.50	**106.63** 77.50 : 122.50
Chromium	TM181	**123.03** 82.90 : 117.10	**94.52** 82.90 : 117.10	**94.71** 82.90 : 117.10	**97.47** 82.90 : 117.10	**92.85** 82.90 : 117.10	**95.66** 82.90 : 117.10
Cobalt	TM181	**107.19** 78.26 : 121.74	**91.12** 78.26 : 121.74	**96.27** 78.26 : 121.74	**101.69** 78.26 : 121.74	**107.64** 78.26 : 121.74	**102.31** 78.26 : 121.74
Copper	TM181	**101.26** 86.52 : 113.48	**96.31** 86.52 : 113.48	**97.13** 86.52 : 113.48	**97.81** 86.52 : 113.48	**91.54** 86.52 : 113.48	**99.27** 86.52 : 113.48
Iron	TM181	**108.38** 93.59 : 123.28	**102.14** 93.59 : 123.28	**101.87** 93.59 : 123.28	**105.67** 93.59 : 123.28	**90.46** 93.59 : 123.28	**105.40** 93.59 : 123.28
Lead	TM181	**99.89** 81.22 : 118.78	**97.78** 81.22 : 118.78	**98.06** 81.22 : 118.78	**99.78** 81.22 : 118.78	**116.31** 81.22 : 118.78	**95.67** 81.22 : 118.78
Manganese	TM181	**96.60** 87.42 : 112.58	**92.73** 87.42 : 112.58	**95.06** 87.42 : 112.58	**96.80** 87.42 : 112.58	**75.61** 87.42 : 112.58	**94.09** 87.42 : 112.58
Mercury	TM181	**116.61** 72.27 : 127.73	**95.87** 72.27 : 127.73	**104.66** 72.27 : 127.73	**105.10** 72.27 : 127.73	**116.52** 72.27 : 127.73	**108.44** 72.27 : 127.73
Molybdenum	TM181	**112.92** 71.12 : 128.88	**85.23** 71.12 : 128.88	**94.49** 71.12 : 128.88	**114.17** 71.12 : 128.88	**121.67** 71.12 : 128.88	**108.23** 71.12 : 128.88
Nickel	TM181	**101.45** 81.27 : 118.73	**96.79** 81.27 : 118.73	**97.48** 81.27 : 118.73	**99.92** 81.27 : 118.73	**92.21** 81.27 : 118.73	**97.02** 81.27 : 118.73
Phosphorus	TM181	**101.67** 84.04 : 115.96	**94.48** 84.04 : 115.96	**98.58** 84.04 : 115.96	**98.54** 84.04 : 115.96	**114.19** 84.04 : 115.96	**101.52** 84.04 : 115.96
Selenium	TM181	**116.53** 72.61 : 127.39	**86.36** 72.61 : 127.39	**104.54** 72.61 : 127.39	**110.18** 72.61 : 127.39	**115.12** 72.61 : 127.39	**112.10** 72.61 : 127.39
Strontium	TM181	**97.92** 80.21 : 119.79	**94.79** 80.21 : 119.79	**99.71** 80.21 : 119.79	**93.44** 80.21 : 119.79	**90.64** 80.21 : 119.79	**98.60** 80.21 : 119.79
Thallium	TM181	**108.53** 73.04 : 126.96	**83.07** 73.04 : 126.96	**90.56** 73.04 : 126.96	**101.94** 73.04 : 126.96	**120.50** 73.04 : 126.96	**102.60** 73.04 : 126.96
Tin	TM181	**113.05** 71.55 : 128.45	**88.28** 71.55 : 128.45	**94.22** 71.55 : 128.45	**104.41** 71.55 : 128.45	**116.12** 71.55 : 128.45	**105.66** 71.55 : 128.45
Titanium	TM181	**98.13** 78.26 : 121.74	**99.85** 78.26 : 121.74	**98.49** 78.26 : 121.74	**108.78** 78.26 : 121.74	**99.03** 78.26 : 121.74	**105.26** 78.26 : 121.74
Vanadium	TM181	**100.00** 82.03 : 117.97	**96.22** 82.03 : 117.97	**97.50** 82.03 : 117.97	**96.96** 82.03 : 117.97	**100.78** 82.03 : 117.97	**101.68** 82.03 : 117.97
Zinc	TM181	**95.19** 77.50 : 122.50	**90.30** 77.50 : 122.50	**93.83** 77.50 : 122.50	**92.48** 77.50 : 122.50	**84.17** 77.50 : 122.50	**92.30** 77.50 : 122.50

PAH by GCMS

Component	Method Code	QC 15	QC 19	QC 15
Acenaphthene	TM218	**101.47** 68.10 : 128.67	**96.10** 71.41 : 116.50	**95.73** 72.32 : 109.44
Acenaphthylene	TM218	**93.77** 68.11 : 109.28	**86.04** 74.28 : 102.70	**83.84** 68.65 : 103.57
Anthracene	TM218	**98.69** 61.75 : 122.01	**91.23** 67.40 : 117.21	**90.99** 69.18 : 111.83
Benz(a)anthracene	TM218	**95.64** 79.35 : 115.30	**102.22** 66.80 : 125.05	**107.56** 75.52 : 122.57
Benzo(a)pyrene	TM218	**98.16** 79.80 : 116.48	**105.87** 69.15 : 119.77	**113.11** 71.24 : 119.68
Benzo(b)fluoranthene	TM218	**100.82** 79.51 : 116.19	**107.60** 70.01 : 124.88	**116.45** 75.05 : 121.20
Benzo(ghi)perylene	TM218	**100.15** 80.08 : 114.22	**109.94** 81.23 : 116.67	**102.34** 74.07 : 119.02
Benzo(k)fluoranthene	TM218	**97.51** 65.05 : 129.07	**106.01** 71.46 : 117.67	**100.40** 73.14 : 117.51

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		QC 15	QC 19	QC 15
Chrysene	TM218	**99.16** 80.14 : 113.92	**102.71** 71.32 : 130.95	**98.07** 75.35 : 119.13
Dibenzo(ah)anthracene	TM218	**98.02** 59.79 : 136.56	**111.74** 81.17 : 118.65	**99.66** 72.56 : 120.05
Fluoranthene	TM218	**97.89** 74.35 : 115.70	**95.77** 69.52 : 118.84	**98.51** 72.66 : 116.78
Fluorene	TM218	**100.23** 75.68 : 111.55	**94.28** 71.38 : 111.04	**94.30** 72.26 : 119.17
Indeno(123cd)pyrene	TM218	**98.87** 74.42 : 114.62	**112.31** 80.81 : 118.96	**105.93** 71.54 : 119.37
Naphthalene	TM218	**92.45** 73.21 : 108.15	**90.36** 81.16 : 104.84	**92.13** 76.45 : 106.42
Phenanthrene	TM218	**103.45** 66.61 : 129.12	**96.50** 69.56 : 121.45	**96.99** 71.89 : 117.20
Pyrene	TM218	**99.01** 74.35 : 111.75	**95.68** 70.34 : 117.79	**98.48** 73.05 : 116.68

PCBs (vs Aroclor 1254)

Component	Method Code	QC 14
PCBs (vs Aroclor 1254)	TM070	**109.33** 75.18 : 122.16

pH

Component	Method Code	QC 18	QC 19	QC 12	QC 12	QC 14
pH	TM133	**100.75** 97.90 : 102.35	**100.38** 97.90 : 102.35	**99.62** 97.90 : 102.35	**101.13** 97.90 : 102.35	**100.00** 97.90 : 102.35

Semi Volatile Organic Compounds

Component	Method Code	QC 10
4-Bromophenylphenyleth er (Soil)	TM157	**87.87** 28.30 : 143.78
Benzo(a)anthracene (Soil)	TM157	**94.55** 18.50 : 151.06
Hexachlorobutadiene (Soil)	TM157	**86.87** 31.16 : 138.34
Naphthalene (Soil)	TM157	**89.73** 26.59 : 145.57
Nitrobenzene (Soil)	TM157	**87.50** 25.35 : 142.64
Phenol (Soil)	TM157	**86.80** 28.59 : 134.35

Total Organic Carbon

Component	Method Code	QC 11	QC 19	QC 18
Total Organic Carbon	TM132	**92.99** 88.75 : 104.70	**98.03** 88.75 : 104.70	**97.96** 88.75 : 104.70

Validated

ALcontrol Laboratories Analytical Services

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

TPH c6-40 Value of soil

Component	Method Code	QC 16	QC 14	QC 11
Diesel QC	TM154	**92.86** 87.23 : 113.71	**94.61** 87.23 : 113.71	**92.67** 87.23 : 113.71
Lube Oil QC	TM154	**104.28** 88.71 : 110.56	**102.08** 88.71 : 110.56	**101.36** 88.71 : 110.56
TPH C6-40 Corrected	TM154	**98.57** 86.39 : 109.99	**98.35** 86.39 : 109.99	**97.01** 86.39 : 109.99

Water Soluble Sulphate 2:1

Component	Method Code	QC 11	QC 19	QC 12	QC 14	QC 10
Soluble SO4	TM098	**86.26** 76.87 : 120.45	**82.09** 76.87 : 120.45	**81.57** 76.87 : 120.45	**84.69** 76.87 : 120.45	**92.60** 76.87 : 120.45

The above information details the reference name of the analytical quality control sample (AQC) that has been run with the samples contained in this report for the different methods of analysis.
The figure detailed is the percentage recovery result for the AQC.
The subscript numbers below are the percentage recovery lower control limit (LCL) and the upper control limit (UCL). The percentage recovery result for the AQC should be between these limits to be statistically in control.

Validated

ALcontrol Laboratories Analytical Services

SDG:	100716-54	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-25	**Attention:**	Steve Dooley
Client Reference:	12L056	**Order No.:**	
Location:	DSDC Bicester	**Report No:**	91555

Asbestos Identification

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	WSD3 NS Z 0.10 - 0.20 SOLID 14/07/2010 00:00:00 16/07/2010 10:48:07 100716-54 1,832,312 TM048	19/7/10	Tomasz Pawlikowski	Typical of asbestos cement	Not Detected	Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	WSD5 NS Z 0.20 - 0.30 SOLID 14/07/2010 00:00:00 16/07/2010 11:03:40 100716-54 1,832,317 TM048	22/7/0	Rhodri Williams	Typical of asbestos cement	Not Detected	Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected

Table of Results - Appendix

SDG Number : 100716-54 **Client :** Entec UK Ltd **Client Ref :** 12L056

REPORT KEY

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03x10-7

NDP	No Determination Possible	#	ISO 17025 Accredited	*	Subcontracted Test	M	MCERTS Accredited
NFD	No Fibres Detected	PFD	Possible Fibres Detected	»	Result previously reported (Incremental reports only)	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control

Method No	Reference	Description	Wet/Dry Sample [1]
PM001		Preparation of Samples for Metals Analysis	Dry
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material	Wet
TM001	In - house Method	Determination of asbestos containing material by screening on solids	
TM024	Method 4500A & B, AWWA/APHA, 20th Ed., 1999	Determination of Exchangeable Ammonium and Ammoniacal Nitrogen as N by titration on solids	Wet
TM048	HSG 248, Asbestos: The analysts' guide for sampling, analysis and clearance procedures	Identification of Asbestos in Bulk Material	
TM070	Modified: US EPA Method 8250 & 625	Determination of Total Polychlorinated Biphenyls (PCBÆs) as Aroclor 1254 by GC-MS in Soils	Dry
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	
TM098	Method 4500E, AWWA/APHA, 20th Ed., 1999	Determination of Sulphate using the Kone Analyser	Dry
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS	
TM132	In - house Method	ELTRA CS800 Operators Guide	Dry
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter	Wet
TM151	Method 3500D, AWWA/APHA, 20th Ed., 1999	Determination of Hexavalent Chromium using Kone analyser	Wet
TM154	In - house Method	Determination of Petroleum Hydrocarbons by EZ Flash GC-FID in the Carbon range C6- C40	Wet
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone	Wet
TM173	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID	Dry
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES	Dry
TM184	EPA Methods 325.1 & 325.2,	The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	Dry
TM218	Microwave extraction – EPA method 3546	Microwave extraction - EPA method 3546	Wet
TM222	In-House Method	Determination of Hot Water Soluble Boron in Soils (10:1 Water:soil) by IRIS Emission Spectrometer	Dry

[1] Applies to Solid samples only. DRY indicates samples have been dried at 35°C. NA = not applicable.

APPENDIX

APPENDIX

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA Leach tests, flash point, ammonium as NH_4 by the BRE method, VOC TICS, SVOC TICS, TOF-MS SCAN/SEARCH and TOF-MS TICS.
2. Samples will be run in duplicate upon request, but an additional charge may be incurred.
3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for both soil jars, tubs and volatile jars. All waters and vials will be discarded 10 days after the analysis is completed (e-mailed). All material removed during an asbestos containing material screen and analysed for the presence of asbestos will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.
4. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.
5. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.
6. When requested, the individual sub sample scheduled will be screened in house for the presence of large asbestos containing material fragments/pieces. If no asbestos containing material is found this will be reported as 'no asbestos containing material detected'. If asbestos containing material is detected it will be removed and analysed by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If asbestos containing material is present no further analysis will be undertaken. At no point is the fibre content of the soil sample determined.
7. If no separate volatile sample is supplied by the client, the integrity of the data may be compromised if the laboratory is required to create a sub-sample from the bulk sample – similarly, if a headspace or sediment is present in the volatile sample. This will be flagged up as an invalid VOC on the test schedule or recorded on the log sheet.
8. If appropriate preserved bottles are not received preservation will take place on receipt. However, the integrity of the data may be compromised.
9. NDP – No determination possible due to insufficient/unsuitable sample.
10. Metals in water are performed on a filtered sample, and therefore represent dissolved metals – total metals must be requested separately.
11. A table containing the date of analysis for each parameter is not routinely included with the report, but is available upon request.
12. Results relate only to the items tested
13. **Surrogate recoveries** – Most of our organic methods include surrogates, the recovery of which is monitored and reported. For EPH, MO, PAH, GRO and VOCs on soils the result is not surrogate corrected, but a percentage recovery is quoted. Acceptable limits for most organic methods are 70 – 130 %.
14. **Product analyses** – Organic analyses on products can only be semi-quantitative due to the matrix effects and high dilution factors employed.
15. Phenols monohydric by HPLC include phenol, cresols (2-Methylphenol, 3-Methylphenol and 4-Methylphenol) and Xylenols (2,3 Dimethylphenol, 2,4 Dimethylphenol, 2,5 Dimethylphenol, 2,6 Dimethylphenol, 3,4 Dimethyphenol, 3,5 Dimethylphenol).
16. Total of 5 speciated phenols by HPLC includes Phenol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 14).
17. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.
18. Our MCERTS accreditation for PAHs by GCMS applies to all product types apart from Kerosene, where naphthalene only is not accredited.
19. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.
19. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.
20. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.
21. For all leachate preparations (NRA, DIN, TCLP, BSEN 12457-1, 2, 3) volatile loss may occur, as we do not employ zero headspace extraction.
22. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials – whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.
23. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C4 – C10 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

LIQUID MATRICES EXTRACTION SUMMARY

ANALYSIS	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
PAH MS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
EPH	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
EPH CWG	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
MINERAL OIL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
PCB 7 CONGENERS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
PCB TOTAL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GS MS
SVOC	DCM	LIQUID/LIQUID SHAKE	GC MS
FREE SULPHUR	DCM	SOLID PHASE EXTRACTION	HPLC
PEST OCP/OPP	DCM	LIQUID/LIQUID SHAKE	GC MS
TRIAZINE HERBS	DCM	LIQUID/LIQUID SHAKE	GC MS
PHENOLS MS	DCM	SOLID PHASE EXTRACTION	GC MS
TPH by INFRA RED (IR)	TCE	LIQUID/LIQUID EXTRACTION	HPLC
MINERAL OIL by IR	TCE	LIQUID/LIQUID EXTRACTION	HPLC
GLYCOLS	NONE	DIRECT INJECTION	GC FID

SOLID MATRICES EXTRACTION SUMMARY

ANALYSIS	D/C OR WET	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
Solvent Extractable Matter	D&C	DCM	SOXTHERM	GRAVIMETRIC
Cyclohexane Ext. Matter	D&C	CYCLOHEXANE	SOXTHERM	GRAVIMETRIC
Thin Layer Chromatography	D&C	DCM	SOXTHERM	IATROSCAN
Elemental Sulphur	D&C	DCM	SOXTHERM	HPLC
Phenols by GCMS	WET	DCM	SOXTHERM	GC-MS
Herbicides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
Pesticides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
EPH (DRO)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Min oil)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Cleaned up)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH CWG by GC	D&C	HEXANE:ACETONE	END OVER END	GC-FID
PCB tot / PCB con	D&C	HEXANE:ACETONE	END OVER END	GC-MS
Polyaromatic Hydrocarbons (MS)	WET	HEXANE:ACETONE	Microwave TM218.	GC-MS
C8-C40 (C6-C40)EZ Flash	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Polyaromatic Hydrocarbons Rapid GC	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Semi Volatile Organic Compounds	WET	DCM:ACETONE	SONICATE	GC-MS

Identification of Asbestos in Bulk Materials

The results for asbestos identification for soil samples are obtained from possible Asbestos Containing Material, removed during the 'Screening of soils for Asbestos Containing Materials', which have been examined to determine the presence of asbestos fibres using Alcontrol Laboratories (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Visual Estimation Of Fibre Content.

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: -

Trace – Where only one or two asbestos fibres were identified.

Further guidance on typical asbestos fibre content of manufactured products can be found in MDHS 100.

The identification of asbestos containing materials falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

ALcontrol Laboratories

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Entec UK Ltd
Canon Court North
Abbey Lawn
Abbey Foregate
Shrewsbury
Shropshire
SY2 5DE

Attention: Steve Dooley

CERTIFICATE OF ANALYSIS

Date:	28 July 2010		
Customer:	H_ENTEC_SHW-24		
Sample Delivery Group (SDG):	100719-9	**Report No.:**	91728
Your Reference:	26999		
Location:	KL056 DSDC Bicester		

We received 48 samples on Saturday July 17, 2010 and 29 of these samples were scheduled for analysis which was completed on Wednesday July 28, 2010. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

All chemical testing (unless subcontracted) is performed at ALcontrol Hawarden Laboratories.

Asbestos testing - we are not accredited for screening soil samples for asbestos fibres. We are only accredited to identify asbestos fibres in bulk material (ACM).

Approved By:

Iain Swinton

Operations Director - Land UK & Ireland

ALcontrol Laboratories is a trading division of ALcontrol UK Limited
Registered Office: Units 7 & 8 Hawarden Business Park, Manor Road, Hawarden, Deeside, CH5 3US. Registered in England and Wales No. 4057291.

Validated

ALcontrol Laboratories Analytical Services

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Sampled Date
1836401	BHC3	0.50 - 0.65	15/07/2010
1836414	BHC3	1.00	15/07/2010
1837405	BHC3	2.00	15/07/2010
1837306	BHC3	2.50	15/07/2010
1837396	BHC5	1.00	15/07/2010
1837371	BHC5	2.00	15/07/2010
1837412	BHC5	3.00	15/07/2010
1837381	TPC10 ES1	0.10	15/07/2010
1837355	TPC10 ES2	1.00	15/07/2010
1837139	TPC10 ES3	1.60	15/07/2010
1837142	TPC10 ES4	2.20	15/07/2010
1837467	TPC6 ES1	0.10	15/07/2010
1837333	TPC6 ES2	1.00	15/07/2010
1844739	TPC7 ES1	0.30	15/07/2010
1837312	TPC7 ES2	1.10	15/07/2010
1837349	TPC7 ES3	1.70	15/07/2010
1837435	TPC8 ES1	0.20	15/07/2010
1837478	TPC8 ES2	0.60	15/07/2010
1837295	TPC8 ES3	1.60	15/07/2010
1837454	TPC9 ES1	0.20	15/07/2010
1837299	TPC9 ES2	1.20	15/07/2010
1837117	TPE1 ES1	0.50	15/07/2010
1837103	TPE1 ES2	1.10	15/07/2010
1837129	TPE2 ES1	0.50	15/07/2010
1837108	TPE2 ES2	1.80	15/07/2010
1836354	WSC1	0.00 - 0.20	16/07/2010
1836522	WSC1	1.50 - 1.70	16/07/2010
1836584	WSC1	5.50 - 5.80	16/07/2010
1836545	WSC2	0.20 - 0.40	16/07/2010
1836658	WSC2	1.20 - 1.40	16/07/2010
1836678	WSC2	2.40 - 2.70	16/07/2010
1836437	WSC3	0.00 - 0.20	16/07/2010
1836565	WSC3	2.40 - 2.60	16/07/2010
1836593	WSC3	3.00 - 3.20	16/07/2010
1836207	WSD10	0.20 - 0.40	15/07/2010
1836248	WSD10	1.60 - 1.90	15/07/2010
1836258	WSD11	0.30 - 0.40	15/07/2010
1841524	WSD11	2.90 - 3.10	15/07/2010
1836179	WSD12	0.30 - 0.60	15/07/2010
1836196	WSD12	1.50 - 1.70	15/07/2010
1836188	WSD12	3.25 - 3.40	15/07/2010
1836238	WSD13	0.10 - 0.30	15/07/2010
1836263	WSD13	2.50 - 2.80	15/07/2010

Validated

ALcontrol Laboratories Analytical Services

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

1836192	WSD9	0.30 - 0.50	15/07/2010
1836218	WSD9	3.80 - 4.00	15/07/2010
1836227	WSE17	0.20 - 0.40	15/07/2010
1836300	WSE17	0.60 - 0.80	15/07/2010
1836307	WSE17	2.40 - 2.60	15/07/2010

Only received samples which have had analysis scheduled will be shown on the following pages.

Validated

ALcontrol Laboratories Analytical Services

SDG: 100719-9
Job: H_ENTEC_SHW-24
Client Reference: 26999
Location: KL056 DSDC Bicester
Customer: Entec UK Ltd
Attention: Steve Dooley
Order No.:
Report No: 91728

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)		1836192		1836196		1836218			1836238		1836248		1836300		1836307		1836354		1836401		1836414			1836522		1836545		1836565			1836658		1837108		1837117		1837129		1837139			1837295		
Customer Sample Ref.		WSD9		WSD12		WSD9			WSD13		WSD10		WSE17		WSE17		WSC1		BHC3		BHC3			WSC1		WSC2		WSC3			WSC2		TPE2 ES2		TPE1 ES1		TPE2 ES1		TPC10 ES3			TPC8 ES3		
Depth (m)		0.30 - 0.50		1.50 - 1.70		3.80 - 4.00			0.10 - 0.30		1.60 - 1.90		0.60 - 0.80		2.40 - 2.60		0.00 - 0.20		0.50 - 0.65		1.00			1.50 - 1.70		0.20 - 0.40		2.40 - 2.60			1.20 - 1.40		1.80		0.50		0.50		1.60			1.60		
Container		250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	250g Amber Jar
Ammonium Soil by Titration	All		X		X		X			X		X		X		X		X				X			X		X		X			X		X		X		X		X			X	
Asbestos Containing Material Screen	All		X																								X											X						
Boron Water Soluble	All	X		X		X			X		X		X		X		X				X			X		X		X			X		X		X		X		X			X		X
EPH CWG (Aliphatic) GC (S)	All					X															X							X											X					X
EPH CWG (Aromatic) GC (S)	All					X															X							X											X					X
GRO BTEX MTBE GC (S)	All							X															X							X											X			
Hexavalent Chromium (s)	All		X		X		X			X		X		X		X		X		X		X			X		X		X			X		X		X		X		X			X	
Metals by iCap-OES (Soil)	Arsenic	X		X		X			X		X		X		X		X		X		X			X		X		X			X		X		X		X		X			X		X
	Cadmium	X		X		X			X		X		X		X		X		X		X			X		X		X			X		X		X		X		X			X		X
	Chromium	X		X		X			X		X		X		X		X		X		X			X		X		X			X		X		X		X		X			X		X
	Copper	X		X		X			X		X		X		X		X		X		X			X		X		X			X		X		X		X		X			X		X
	Lead	X		X		X			X		X		X		X		X		X		X			X		X		X			X		X		X		X		X			X		X
	Mercury	X		X		X			X		X		X		X		X		X		X			X		X		X			X		X		X		X		X			X		X
	Nickel	X		X		X			X		X		X		X		X		X		X			X		X		X			X		X		X		X		X			X		X
	Selenium	X		X		X			X		X		X		X		X		X		X			X		X		X			X		X		X		X		X			X		X
	Zinc	X		X		X			X		X		X		X		X		X		X			X		X		X			X		X		X		X		X			X		X
PAH by GCMS	All					X															X							X											X					X
PCBs (vs Aroclor 1254)	All																				X																							X
pH	All		X		X		X			X		X		X		X		X				X			X		X		X			X		X		X		X		X			X	
Sample description	All	X		X		X			X		X		X		X		X		X		X			X		X		X			X		X		X		X		X			X		X
Semi Volatile Organic Compounds	All					X															X							X											X					X
Total Organic Carbon	All										X		X								X			X															X					
TPH c6-40 Value of soil	All	X		X							X		X		X									X							X						X							

28/07/2010, 09:40:24

Total				0 28	0 7	0 28	0 5	0 5	0 5	0 29	0 29	0 29	0 29	0 29	0 29	0 29	0 29	0 29	0 29	0 5	0 2	0 28	0 29	0 5	0 6	0 13
1844739	TPC7 ES1	0.30	400g Tub	X	X					X												X				
			250g Amber Jar			X					X	X	X	X	X	X	X	X	X				X			X
1841524	WSD11	2.90 - 3.10	400g Tub	X						X												X				
			250g Amber Jar			X					X	X	X	X	X	X	X	X	X				X			X
1837478	TPC8 ES2	0.60	400g Tub	X						X												X				
			250g Amber Jar			X					X	X	X	X	X	X	X	X	X				X		X	X
1837467	TPC6 ES1	0.10	400g Tub	X	X					X												X				
			250g Amber Jar			X					X	X	X	X	X	X	X	X	X				X			
1837454	TPC9 ES1	0.20	400g Tub	X	X					X												X				
			250g Amber Jar			X					X	X	X	X	X	X	X	X	X				X			X
1837412	BHC5	3.00	400g Tub	X						X												X				
			250g Amber Jar			X					X	X	X	X	X	X	X	X	X				X			
1837405	BHC3	2.00	400g Tub	X						X												X				
			250g Amber Jar			X					X	X	X	X	X	X	X	X	X				X			X
1837396	BHC5	1.00	400g Tub	X						X												X				
			250g Amber Jar			X					X	X	X	X	X	X	X	X	X				X			
1837381	TPC10 ES1	0.10	400g Tub	X	X					X												X				
			250g Amber Jar			X					X	X	X	X	X	X	X	X	X				X			
			60g VOC						X																	
			400g Tub	X						X												X				

Validated

ALcontrol Laboratories Analytical Services

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

		1836192	1836196	1836218	1836238	1836248	1836300	1836307	1836354	1836401	1836414	1836522	1836545	1836565	1836658	1837108	1837117	1837129	1837139	1837295	
		WSD9	WSD12	WSD9	WSD13	WSD10	WSE17	WSE17	WSC1	BHC3	BHC3	WSC1	WSC2	WSC3	WSC2	TPE2 ES2	TPE1 ES1	TPE2 ES1	TPC10 ES3	TPC8 ES3	
		0.30 - 0.50	1.50 - 1.70	3.80 - 4.00	0.10 - 0.30	1.60 - 1.90	0.60 - 0.80	2.40 - 2.60	0.00 - 0.20	0.50 - 0.65	1.00	1.50 - 1.70	0.20 - 0.40	2.40 - 2.60	1.20 - 1.40	1.80	0.50	0.50	1.60	1.60	
		250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	250g Amber Jar
TPH CWG GC (S)	All			X							X			X					X		X
VOC MS (S)	All					X						X			X					X	
Water Soluble Sulphate 2:1	All	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Total				0 5	0 5	0 29
1844739	TPC7 ES1	0.30	400g Tub			
			250g Amber Jar			X
1841524	WSD11	2.90 - 3.10	400g Tub			
			250g Amber Jar			X
1837478	TPC8 ES2	0.60	400g Tub			
			250g Amber Jar			X
1837467	TPC6 ES1	0.10	400g Tub			
			250g Amber Jar			X
1837454	TPC9 ES1	0.20	400g Tub			
			250g Amber Jar			X
1837412	BHC5	3.00	400g Tub			
			250g Amber Jar			X
1837405	BHC3	2.00	400g Tub			
			250g Amber Jar			X
1837396	BHC5	1.00	400g Tub			
			250g Amber Jar			X
1837381	TPC10 ES1	0.10	400g Tub			
			250g Amber Jar			X
			60g VOC		X	
			400g Tub			

Validated

ALcontrol Laboratories Analytical Services

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

Sample Descriptions

Grain Sizes:
<0.063mm very fine,
0.063mm - 0.1mm fine,
0.1mm - 2mm medium,
2mm - 10mm coarse,
>10mm very coarse

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Grain size	Inclusions
1836192	WSD9	0.30 - 0.50	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones
1836196	WSD12	1.50 - 1.70	Dark Brown	Silty Clay Loam	<0.063 mm	N/A
1836218	WSD9	3.80 - 4.00	Dark Brown	Sandy Clay	0.063 - 0.1 mm	Stones
1836238	WSD13	0.10 - 0.30	Light Brown	Silty Clay	0.063 - 0.1 mm	Stones
1836248	WSD10	1.60 - 1.90	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones
1836300	WSE17	0.60 - 0.80	Dark Brown	Silty Clay Loam	<0.063 mm	Stones
1836307	WSE17	2.40 - 2.60	Dark Brown	Clay	<0.063 mm	None
1836354	WSC1	0.00 - 0.20	Light Brown	Silty Clay	0.063 - 0.1 mm	Vegetation
1836401	BHC3	0.50 - 0.65	Black	Sandy Silt Loam	0.1 - 2 mm	Stones
1836414	BHC3	1.00	Dark Brown	Clay	<0.063 mm	None
1836522	WSC1	1.50 - 1.70	Dark Brown	Silty Clay Loam	<0.063 mm	N/A
1836545	WSC2	0.20 - 0.40	Dark Brown	Clay Loam	0.063 - 0.1 mm	Vegetation
1836565	WSC3	2.40 - 2.60	Dark Brown	Clay	<0.063 mm	Vegetation
1836658	WSC2	1.20 - 1.40	Light Brown	Clay	<0.063 mm	Vegetation
1837108	TPE2	1.80	Light Brown	Clay	<0.063 mm	None
1837117	TPE1	0.50	Grey	Silty Sand	0.063 - 0.1 mm	Stones
1837129	TPE2	0.50	Light Brown	Silty Clay	0.063 - 0.1 mm	Stones
1837139	TPC10	1.60	Light Brown	Sandy Clay	0.1 - 2 mm	Stones
1837295	TPC8	1.60	Light Brown	Silty Clay	0.063 - 0.1 mm	Stones
1837371	BHC5	2.00	Light Brown	Clay	<0.063 mm	Stones
1837381	TPC10	0.10	Grey	Silt	0.063 - 0.1 mm	Stones
1837396	BHC5	1.00	Grey	Sandy Clay Loam	0.1 - 2 mm	Stones
1837405	BHC3	2.00	Dark Brown	Clay	<0.063 mm	Stones
1837412	BHC5	3.00	Dark Brown	Clay	<0.063 mm	N/A
1837454	TPC9	0.20	Dark Brown	Top Soil	0.063 - 0.1 mm	Vegetation
1837467	TPC6	0.10	Dark Brown	Sandy Loam	0.063 - 0.1 mm	Stones
1837478	TPC8	0.60	Dark Brown	Clay	<0.063 mm	Stones
1841524	WSD11	2.90 - 3.10	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	N/A
1844739	TPC7	0.30	Dark Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally ocurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Validated

ALcontrol Laboratories Analytical Services

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

Test Completion dates

SDG reference: 100719-9

Lab Sample No(s)	1836192	1836196	1836218	1836238	1836248	1836300	1836307	1836354	1836401	1836414	1836522	1836545
Customer Sample Ref.	WSD9	WSD12	WSD9	WSD13	WSD10	WSE17	WSE17	WSC1	BHC3	BHC3	WSC1	WSC2
Depth	0.30 - 0.50	1.50 - 1.70	3.80 - 4.00	0.10 - 0.30	1.60 - 1.90	0.60 - 0.80	2.40 - 2.60	0.00 - 0.20	0.50 - 0.65	1.00	1.50 - 1.70	0.20 - 0.40
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Ammonium Soil by Titration	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010		21/07/2010	21/07/2010	21/07/2010
Asbestos Containing Material	20/07/2010											20/07/2010
Boron Water Soluble	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010		21/07/2010	22/07/2010	22/07/2010
EPH CWG (Aliphatic) GC (S)			23/07/2010							23/07/2010		
EPH CWG (Aromatic) GC (S)			23/07/2010							23/07/2010		
GRO by GC-FID (S)			27/07/2010							27/07/2010		
Hexavalent Chromium (s)	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010
Metals by iCap-OES (Soil)	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	21/07/2010	22/07/2010	22/07/2010
PAH by GCMS			21/07/2010							21/07/2010		
PCBs (vs Aroclor 1254)										22/07/2010		
pH	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010		21/07/2010	21/07/2010	21/07/2010
Sample description	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010
Semi Volatile Organic Compounds			22/07/2010							23/07/2010		
Total Organic Carbon					22/07/2010	22/07/2010				21/07/2010	22/07/2010	
TPH c6-40 Value of soil	22/07/2010	22/07/2010			22/07/2010	22/07/2010	22/07/2010				22/07/2010	
TPH CWG GC (S)			28/07/2010							27/07/2010		
VOC MS (S)			22/07/2010							22/07/2010		
Water Soluble Sulphate 2:1	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010

1836565	1836658	1837108	1837117	1837129	1837139	1837295	1837371	1837381	1837396	1837405	1837412	1837454	1837467	1837478
WSC3	WSC2	TPE2	TPE1	TPE2	TPC10	TPC8	BHC5	TPC10	BHC5	BHC3	BHC5	TPC9	TPC6	TPC8
2.40 - 2.60	1.20 - 1.40	1.80	0.50	0.50	1.60	1.60	2.00	0.10	1.00	2.00	3.00	0.20	0.10	0.60
SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010
				20/07/2010				20/07/2010				20/07/2010	20/07/2010	
22/07/2010	22/07/2010	22/07/2010	21/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	21/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010
23/07/2010					23/07/2010		23/07/2010							
23/07/2010					23/07/2010		23/07/2010							
27/07/2010					27/07/2010		27/07/2010							
21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010
22/07/2010	22/07/2010	21/07/2010	21/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010
21/07/2010					21/07/2010		21/07/2010							
							22/07/2010							
21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010
20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010
23/07/2010					23/07/2010		22/07/2010							
					22/07/2010									22/07/2010
	22/07/2010			22/07/2010						22/07/2010		22/07/2010		22/07/2010
27/07/2010					27/07/2010		27/07/2010							
23/07/2010					23/07/2010		22/07/2010							
22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010

1841524	1844739
WSD11	TPC7
2.90 - 3.10	0.30
SOLID	SOLID
21/07/2010	21/07/2010
	20/07/2010
22/07/2010	22/07/2010
21/07/2010	21/07/2010
22/07/2010	22/07/2010
21/07/2010	21/07/2010
20/07/2010	20/07/2010
22/07/2010	22/07/2010
22/07/2010	22/07/2010

Validated

ALcontrol Laboratories Analytical Services

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	BHC3	BHC3	BHC3	BHC5	BHC5	BHC5
			Depth (m)	0.50 - 0.65	1.00	2.00	1.00	2.00	3.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/07/2010	15/07/2010	15/07/2010	15/07/2010	15/07/2010	15/07/2010
			Date Received	17/07/2010	17/07/2010	17/07/2010	17/07/2010	17/07/2010	17/07/2010
			SDG Ref	100719-9	100719-9	100719-9	100719-9	100719-9	100719-9
			Lab Sample No.(s)	1836401	1836414	1837405	1837396	1837371	1837412
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024			30.6 M	<15 M	<15 M	<15 M	<15 M
Sulphate, 2:1 water soluble	<0.003 g/l	TM098		0.284 M	0.12 M	0.148 M	1.14 M	0.336 M	0.221 M
Soil Organic Matter (SOM)	<0.35 %	TM132			1.42 #				
pH	1 pH Units	TM133			8.03 M	8.01 M	8.98 M	8.21 M	8.31 M
Chromium, Hexavalent	<0.6 mg/kg	TM151		<0.6 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #
TPH >C6-C8	<10 mg/kg	TM154				108			
TPH >C8-C10	<10 mg/kg	TM154				37.7			
TPH >C10-C12	<10 mg/kg	TM154				<10			
TPH >C12-C16	<10 mg/kg	TM154				<10			
TPH >C16-C21	<10 mg/kg	TM154				<10			
TPH >C21-C40	<10 mg/kg	TM154				72.4			
TPH >C6-C40	<10 mg/kg	TM154				226 #			
Arsenic	<0.6 mg/kg	TM181		8.66 M	17.1 M	38.9 M	13.1 M	15.3 M	7.39 M
Cadmium	<0.02 mg/kg	TM181		0.288 M	<0.02 M	<0.2 M	<0.02 M	<0.02 M	0.0592 M
Chromium	<0.9 mg/kg	TM181		20.3 M	46.7 M	29 M	55.2 M	27.6 M	50.3 M
Copper	<1.4 mg/kg	TM181		31 M	17.5 M	22.7 M	60.9 M	16.5 M	24.3 M
Lead	<0.7 mg/kg	TM181		475 M	36.7 M	12.3 M	119 M	17.3 M	14.3 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		13.2 M	38.8 M	49.1 M	12.8 M	29.5 M	52.6 M
Selenium	<1 mg/kg	TM181		2.42 #	<1 #	<10 #	4 #	<1 #	1.23 #
Zinc	<1.9 mg/kg	TM181		72.5 M	104 M	101 M	93.1 M	66.7 M	187 M
Boron, water soluble	<1 mg/kg	TM222			1.8 M	1.67 M	3.09 M	1.43 M	1.96 M

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	BHC3	BHC5
			Depth (m)	1.00	2.00
			Sample Type	Soil/Solid	Soil/Solid
			Date Sampled	15/07/2010	15/07/2010
			Date Received	17/07/2010	17/07/2010
			SDG Ref	100719-9	100719-9
			Lab Sample No.(s)	1836414	1837371
Naphthalene-d8 % recovery**	%	TM218		112	112
Acenaphthene-d10 % recovery**	%	TM218		111	110
Phenanthrene-d10 % recovery**	%	TM218		110	109
Chrysene-d12 % recovery**	%	TM218		97.4	96.2
Perylene-d12 % recovery**	%	TM218		110	107
Naphthalene	<0.009 mg/kg	TM218		0.0244 M	<0.009 M
Acenaphthylene	<0.012 mg/kg	TM218		<0.012 M	<0.012 M
Acenaphthene	<0.008 mg/kg	TM218		<0.008 M	<0.008 M
Fluorene	<0.01 mg/kg	TM218		<0.01 M	<0.01 M
Phenanthrene	<0.015 mg/kg	TM218		<0.015 M	<0.015 M
Anthracene	<0.016 mg/kg	TM218		<0.016 M	<0.016 M
Fluoranthene	<0.017 mg/kg	TM218		<0.017 M	<0.017 M
Pyrene	<0.015 mg/kg	TM218		<0.015 M	<0.015 M
Benz(a)anthracene	<0.014 mg/kg	TM218		<0.014 M	<0.014 M
Chrysene	<0.01 mg/kg	TM218		<0.01 M	<0.01 M
Benzo(b)fluoranthene	<0.015 mg/kg	TM218		<0.015 M	<0.015 M
Benzo(k)fluoranthene	<0.014 mg/kg	TM218		<0.014 M	<0.014 M
Benzo(a)pyrene	<0.015 mg/kg	TM218		<0.015 M	<0.015 M
Indeno(1,2,3-cd)pyrene	<0.018 mg/kg	TM218		<0.018 M	<0.018 M
Dibenzo(a,h)anthracene	<0.023 mg/kg	TM218		<0.023 M	<0.023 M
Benzo(g,h,i)perylene	<0.024 mg/kg	TM218		<0.024 M	<0.024 M
Polyaromatic hydrocarbons, Total USEPA 16	<0.118 mg/kg	TM218		<0.118 M	<0.118 M

Validated

ALcontrol Laboratories Analytical Services

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

PCBs (vs Aroclor 1254)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	BHC3	BHC5
Depth (m)	1.00	2.00
Sample Type	Soil/Solid	Soil/Solid
Date Sampled	15/07/2010	15/07/2010
Date Received	17/07/2010	17/07/2010
SDG Ref	100719-9	100719-9
Lab Sample No.(s)	1836414	1837371

Component	LOD/Units	Method		
PCBs (vs Aroclor 1254)	<0.035 mg/kg	TM070	<0.035 #	<0.035 #

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	BHC3	BHC5
Depth (m)	1.00	2.00
Sample Type	Soil/Solid	Soil/Solid
Date Sampled	15/07/2010	15/07/2010
Date Received	17/07/2010	17/07/2010
SDG Ref	100719-9	100719-9
Lab Sample No.(s)	1836414	1837371

Component	LOD/Units	Method		
Phenol	<0.1 mg/kg	TM157	<0.1	<0.1
Pentachlorophenol	<0.1 mg/kg	TM157	<0.1	<0.1
n-Nitroso-n-dipropylamine	<0.1 mg/kg	TM157	<0.1	<0.1
Nitrobenzene	<0.1 mg/kg	TM157	<0.1	<0.1
Isophorone	<0.1 mg/kg	TM157	<0.1	<0.1
Hexachloroethane	<0.1 mg/kg	TM157	<0.1	<0.1
Hexachlorocyclopentadiene	<0.1 mg/kg	TM157	<0.1	<0.1
Hexachlorobutadiene	<0.1 mg/kg	TM157	<0.1	<0.1
Hexachlorobenzene	<0.1 mg/kg	TM157	<0.1	<0.1
n-Dioctyl phthalate	<0.1 mg/kg	TM157	<0.1	<0.1
Dimethyl phthalate	<0.1 mg/kg	TM157	<0.1	<0.1
Diethyl phthalate	<0.1 mg/kg	TM157	<0.1	<0.1
n-Dibutyl phthalate	<0.1 mg/kg	TM157	<0.1	<0.1
Dibenzofuran	<0.1 mg/kg	TM157	<0.1	<0.1
Carbazole	<0.1 mg/kg	TM157	<0.1	<0.1
Butylbenzyl phthalate	<0.1 mg/kg	TM157	<0.1	<0.1
bis(2-Ethylhexyl) phthalate	<0.1 mg/kg	TM157	<0.1	<0.1
bis(2-Chloroethoxy)methane	<0.1 mg/kg	TM157	<0.1	<0.1
bis(2-Chloroethyl)ether	<0.1 mg/kg	TM157	<0.1	<0.1
Azobenzene	<0.1 mg/kg	TM157	<0.1	<0.1
4-Nitrophenol	<0.1 mg/kg	TM157	<0.1	<0.1
4-Nitroaniline	<0.1 mg/kg	TM157	<0.1	<0.1
4-Methylphenol	<0.1 mg/kg	TM157	<0.1	<0.1
4-Chlorophenylphenylether	<0.1 mg/kg	TM157	<0.1	<0.1
4-Chloroaniline	<0.1 mg/kg	TM157	<0.1	<0.1
4-Chloro-3-methylphenol	<0.1 mg/kg	TM157	<0.1	<0.1
4-Bromophenylphenylether	<0.1 mg/kg	TM157	<0.1	<0.1
3-Nitroaniline	<0.1 mg/kg	TM157	<0.1	<0.1
2-Nitrophenol	<0.1 mg/kg	TM157	<0.1	<0.1
2-Nitroaniline	<0.1 mg/kg	TM157	<0.1	<0.1
2-Methylphenol	<0.1 mg/kg	TM157	<0.1	<0.1
1,2,4-Trichlorobenzene	<0.1 mg/kg	TM157	<0.1	<0.1
2-Chlorophenol	<0.1 mg/kg	TM157	<0.1	<0.1
2,6-Dinitrotoluene	<0.1 mg/kg	TM157	<0.1	<0.1
2,4-Dinitrotoluene	<0.1 mg/kg	TM157	<0.1	<0.1
2,4-Dimethylphenol	<0.1 mg/kg	TM157	<0.1	<0.1
2,4-Dichlorophenol	<0.1 mg/kg	TM157	<0.1	<0.1
2,4,6-Trichlorophenol	<0.1 mg/kg	TM157	<0.1	<0.1
2,4,5-Trichlorophenol	<0.1 mg/kg	TM157	<0.1	<0.1

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	BHC3	BHC5
			Depth (m)	1.00	2.00
			Sample Type	Soil/Solid	Soil/Solid
			Date Sampled	15/07/2010	15/07/2010
			Date Received	17/07/2010	17/07/2010
			SDG Ref	100719-9	100719-9
			Lab Sample No.(s)	1836414	1837371
1,4-Dichlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1
1,3-Dichlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1
1,2-Dichlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1
2-Chloronaphthalene	<0.1 mg/kg	TM157		<0.1	<0.1
2-Methylnaphthalene	<0.1 mg/kg	TM157		<0.1	<0.1
Acenaphthylene	<0.1 mg/kg	TM157		<0.1	<0.1
Acenaphthene	<0.1 mg/kg	TM157		<0.1	<0.1
Anthracene	<0.1 mg/kg	TM157		<0.1	<0.1
Benzo(a)anthracene	<0.1 mg/kg	TM157		<0.1	<0.1
Benzo(b)fluoranthene	<0.1 mg/kg	TM157		<0.1	<0.1
Benzo(k)fluoranthene	<0.1 mg/kg	TM157		<0.1	<0.1
Benzo(a)pyrene	<0.1 mg/kg	TM157		<0.1	<0.1
Benzo(g,h,i)perylene	<0.1 mg/kg	TM157		<0.1	<0.1
Chrysene	<0.1 mg/kg	TM157		<0.1	<0.1
Fluoranthene	<0.1 mg/kg	TM157		<0.1	<0.1
Fluorene	<0.1 mg/kg	TM157		<0.1	<0.1
Indeno(1,2,3-cd)pyrene	<0.1 mg/kg	TM157		<0.1	<0.1
Phenanthrene	<0.1 mg/kg	TM157		<0.1	<0.1
Pyrene	<0.1 mg/kg	TM157		<0.1	<0.1
Naphthalene	<0.1 mg/kg	TM157		<0.1	<0.1
Dibenzo(a,h)anthracene	<0.1 mg/kg	TM157		<0.1	<0.1

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	BHC3	BHC5
Depth (m)	1.00	2.00
Sample Type	Soil/Solid	Soil/Solid
Date Sampled	15/07/2010	15/07/2010
Date Received	17/07/2010	17/07/2010
SDG Ref	100719-9	100719-9
Lab Sample No.(s)	1836414	1837371

Component	LOD/Units	Method		
GRO Surrogate % recovery**	%	TM089	148	118
GRO >C5-C12	<0.044 mg/kg	TM089	20.3	<0.044
Benzene	<0.01 mg/kg	TM089	<0.01 M	<0.01 M
Ethylbenzene	<0.003 mg/kg	TM089	<0.003 M	<0.003 M
Toluene	<0.002 mg/kg	TM089	<0.002 M	<0.002 M
m,p-Xylene	<0.006 mg/kg	TM089	<0.006 M	<0.006 M
o-Xylene	<0.003 mg/kg	TM089	<0.003 M	<0.003 M
m,p,o-Xylene	<0.01 mg/kg	TM089	<0.01 M	<0.01 M
BTEX, Total	<0.01 mg/kg	TM089	<0.01 M	<0.01 M
Methyl tertiary butyl ether (MTBE)	<0.005 mg/kg	TM089	<0.005 #	<0.005 #
Aliphatics >C5-C6	<0.01 mg/kg	TM089	0.0335	<0.01
Aliphatics >C6-C8	<0.01 mg/kg	TM089	4.02	<0.01
Aliphatics >C8-C10	<0.01 mg/kg	TM089	4.76	<0.01
Aliphatics >C10-C12	<0.01 mg/kg	TM089	1.74	<0.01
Aromatics >C6-C7	<0.01 mg/kg	TM089	<0.01	<0.01
Aromatics >C7-C8	<0.01 mg/kg	TM089	<0.01	<0.01
Aromatics >EC8-EC10	<0.01 mg/kg	TM089	7.13	<0.01
Aromatics >EC10-EC12	<0.01 mg/kg	TM089	2.61	<0.01
Total Aliphatics >C5-C12	<0.01 mg/kg	TM089	10.6	<0.01
Total Aromatics >C6-C12	<0.01 mg/kg	TM089	9.74	<0.01
Aliphatics >C12-C16	<0.1 mg/kg	TM173	8.39	0.721
Aliphatics >C16-C21	<0.1 mg/kg	TM173	5.25	0.959
Aliphatics >C16-C35	<0.1 mg/kg	TM173	17.5	2.6
Aliphatics >C21-C35	<0.1 mg/kg	TM173	12.3	1.64
Aliphatics >C35-C44	<0.1 mg/kg	TM173	3.11	<0.1
Aromatics >EC12-EC16	<0.1 mg/kg	TM173	0.389	0.914
Aromatics >EC16-EC21	<0.1 mg/kg	TM173	3.25	1.09
Aromatics >EC21-EC35	<0.1 mg/kg	TM173	16.7	5.16
Aromatics >EC35-EC44	<0.1 mg/kg	TM173	6.45	0.895
Aromatics >EC40-EC44	<0.1 mg/kg	TM173	2.15	0.333
Total Aliphatics >C12-C44	<0.1 mg/kg	TM173	29	3.32
Total Aromatics >EC12-EC44	<0.1 mg/kg	TM173	26.8	8.06
Total Aliphatics >C5-35	<0.1 mg/kg	TM173	36.5	3.32
Total Aliphatics >C5-C44	<0.1 mg/kg	TM173	39.6	3.32
Total Aromatics >C5-35	<0.1 mg/kg	TM173	30.1	7.17
Total Aromatics >C6-C44	<0.1 mg/kg	TM173	36.6	8.06
Total Aliphatics & Aromatics >C5-35	<0.1 mg/kg	TM173	66.6	10.5
Total Aliphatics & Aromatics >C5-C44	<0.1 mg/kg	TM173	76.1	11.4

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	BHC3	BHC5
			Depth (m)	1.00	2.00
			Sample Type	Soil/Solid	Soil/Solid
			Date Sampled	15/07/2010	15/07/2010
			Date Received	17/07/2010	17/07/2010
			SDG Ref	100719-9	100719-9
			Lab Sample No.(s)	1836414	1837371
Dibromofluoromethane**	%	TM116		106	55.9
Toluene-d8**	%	TM116		102	103
4-Bromofluorobenzene**	%	TM116		121	106
Dichlorodifluoromethane	<0.004 mg/kg	TM116		<0.004 M	<0.004 M
Chloromethane	<0.007 mg/kg	TM116		<0.007 #	<0.007 #
Vinyl Chloride	<0.01 mg/kg	TM116		<0.01 #	<0.01 #
Bromomethane	<0.013 mg/kg	TM116		<0.013 M	<0.013 M
Chloroethane	<0.014 mg/kg	TM116		<0.014 M	<0.014 M
Trichlorofluorormethane	<0.006 mg/kg	TM116		<0.006 M	<0.006 M
1.1-Dichloroethene	<0.01 mg/kg	TM116		<0.01 #	<0.01 #
Carbon Disulphide	<0.007 mg/kg	TM116		0.0657 M	<0.007 M
Dichloromethane	<0.01 mg/kg	TM116		<0.01 #	<0.01 #
Methyl Tertiary Butyl Ether	<0.011 mg/kg	TM116		<0.011 M	<0.011 M
trans-1-2-Dichloroethene	<0.011 mg/kg	TM116		<0.011 M	<0.011 M
1.1-Dichloroethane	<0.008 mg/kg	TM116		<0.008 M	<0.008 M
cis-1-2-Dichloroethene	<0.005 mg/kg	TM116		0.107 M	<0.005 M
2.2-Dichloropropane	<0.012 mg/kg	TM116		<0.012 M	<0.012 M
Bromochloromethane	<0.014 mg/kg	TM116		<0.014 M	<0.014 M
Chloroform	<0.008 mg/kg	TM116		<0.008 M	<0.008 M
1.1.1-Trichloroethane	<0.007 mg/kg	TM116		<0.007 M	<0.007 M
1.1-Dichloropropene	<0.011 mg/kg	TM116		<0.011 M	<0.011 M
Carbontetrachloride	<0.014 mg/kg	TM116		<0.014 M	<0.014 M
1.2-Dichloroethane	<0.005 mg/kg	TM116		<0.005 M	<0.005 M
Benzene	<0.009 mg/kg	TM116		0.0313 M	<0.009 M
Trichloroethene	<0.009 mg/kg	TM116		0.142 M	0.119 M
1.2-Dichloropropane	<0.012 mg/kg	TM116		<0.012 M	<0.012 M
Dibromomethane	<0.009 mg/kg	TM116		<0.009 M	<0.009 M
Bromodichloromethane	<0.007 mg/kg	TM116		<0.007 M	<0.007 M
cis-1-3-Dichloropropene	<0.014 mg/kg	TM116		<0.014 M	<0.014 M
Toluene	<0.005 mg/kg	TM116		0.0231 M	0.00732 M
trans-1-3-Dichloropropene	<0.014 mg/kg	TM116		<0.014	<0.014
1.1.2-Trichloroethane	<0.01 mg/kg	TM116		<0.01 M	<0.01 M
1.3-Dichloropropane	<0.007 mg/kg	TM116		<0.007 #	<0.007 #
Tetrachloroethene	<0.005 mg/kg	TM116		<0.005 M	<0.005 M
Dibromochloromethane	<0.013 mg/kg	TM116		<0.013 M	<0.013 M
1.2-Dibromoethane	<0.012 mg/kg	TM116		<0.012 M	<0.012 M
Chorobenzene	<0.005 mg/kg	TM116		<0.005 M	<0.005 M
1.1.1.2-Tetrachloroethane	<0.01 mg/kg	TM116		<0.01 M	<0.01 M
Ethylbenzene	<0.004 mg/kg	TM116		0.0306 M	<0.004 M

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	BHC3	BHC5
Depth (m)	1.00	2.00
Sample Type	Soil/Solid	Soil/Solid
Date Sampled	15/07/2010	15/07/2010
Date Received	17/07/2010	17/07/2010
SDG Ref	100719-9	100719-9
Lab Sample No.(s)	1836414	1837371

Component	LOD/Units	Method		
p/m-Xylene	<0.014 mg/kg	TM116	0.035 #	<0.014 #
o-Xylene	<0.01 mg/kg	TM116	<0.01 M	<0.01 M
Styrene	<0.01 mg/kg	TM116	<0.01 M	<0.01 M
Bromoform	<0.01 mg/kg	TM116	<0.01 M	<0.01 M
Isopropylbenzene	<0.005 mg/kg	TM116	0.0276 M	<0.005 M
1.1.2.2-Tetrachloroethane	<0.01 mg/kg	TM116	<0.01 #	<0.01 #
1.2.3-Trichloropropane	<0.017 mg/kg	TM116	<0.017 M	<0.017 M
Bromobenzene	<0.01 mg/kg	TM116	<0.01 M	<0.01 M
Propylbenzene	<0.011 mg/kg	TM116	0.0534 M	<0.011 M
2-Chlorotoluene	<0.009 mg/kg	TM116	<0.009 M	<0.009 M
1.3.5-Trimethylbenzene	<0.008 mg/kg	TM116	<0.008 #	<0.008 #
4-Chlorotoluene	<0.012 mg/kg	TM116	<0.012 M	<0.012 M
tert-Butylbenzene	<0.012 mg/kg	TM116	<0.012 #	<0.012 #
1.2.4-Trimethylbenzene	<0.009 mg/kg	TM116	0.0745 #	<0.009 #
sec-Butylbenzene	<0.01 mg/kg	TM116	0.0285 M	<0.01 M
4-Isopropyltoluene	<0.011 mg/kg	TM116	<0.011 M	<0.011 M
1.3-Dichlorobenzene	<0.006 mg/kg	TM116	<0.006 M	<0.006 M
1.4-Dichlorobenzene	<0.005 mg/kg	TM116	<0.005 M	<0.005 M
n-Butylbenzene	<0.01 mg/kg	TM116	0.0347 M	<0.01 M
1.2-Dichlorobenzene	<0.012 mg/kg	TM116	<0.012 M	<0.012 M
1.2-Dibromo-3-chloropropane	<0.014 mg/kg	TM116	<0.014 M	<0.014 M
Tert-amyl methyl ether	<0.015 mg/kg	TM116	<0.015	<0.015
1.2.4-Trichlorobenzene	<0.006 mg/kg	TM116	<0.006 #	<0.006 #
Hexachlorobutadiene	<0.012 mg/kg	TM116	<0.012 M	<0.012 M
Naphthalene	<0.013 mg/kg	TM116	<0.013 M	<0.013 M
1.2.3-Trichlorobenzene	<0.006 mg/kg	TM116	<0.006 M	<0.006 M

Validated

ALcontrol Laboratories Analytical Services

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	TPC10 ES1	TPC10 ES3	TPC6 ES1	TPC7 ES1	TPC8 ES2	TPC8 ES3
			Depth (m)	0.10	1.60	0.10	0.30	0.60	1.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/07/2010	15/07/2010	15/07/2010	15/07/2010	15/07/2010	15/07/2010
			Date Received	17/07/2010	17/07/2010	17/07/2010	17/07/2010	17/07/2010	17/07/2010
			SDG Ref	100719-9	100719-9	100719-9	100719-9	100719-9	100719-9
			Lab Sample No.(s)	1837381	1837139	1837467	1844739	1837478	1837295
Asbestos Containing Material Screen	-	TM001		No ACM Detected		No ACM Detected	No ACM Detected		
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024		<15 #	<15 M	<15 M	105 M	22.4 M	<15 M
Sulphate, 2:1 water soluble	<0.003 g/l	TM098		0.162 #	0.0732 M	0.117 M	0.386 M	0.109 M	0.0948 M
Soil Organic Matter (SOM)	<0.35 %	TM132			1.52 #			4.74 #	
pH	1 pH Units	TM133		8.29 #	8.41 M	8.64 M	7.97 M	8.51 M	8.27 M
Chromium, Hexavalent	<0.6 mg/kg	TM151		<1.2 #	<0.6 #	<0.6 #	<0.6 #	1.02 #	<0.6 #
TPH >C6-C8	<10 mg/kg	TM154					<50	<10	
TPH >C8-C10	<10 mg/kg	TM154					<50	285	
TPH >C10-C12	<10 mg/kg	TM154					76.1	279	
TPH >C12-C16	<10 mg/kg	TM154					417	104	
TPH >C16-C21	<10 mg/kg	TM154					1080	386	
TPH >C21-C40	<10 mg/kg	TM154					13600	1640	
TPH >C6-C40	<10 mg/kg	TM154					15200 #	2690 #	
Arsenic	<0.6 mg/kg	TM181		7.07 #	32.9 M	12.7 M	12.6 M	13.1 M	52.4 M
Cadmium	<0.02 mg/kg	TM181		0.32 #	<0.02 M	0.365 M	5.72 M	1.29 M	<0.2 M
Chromium	<0.9 mg/kg	TM181		18.9 #	40.8 M	22.5 M	60.2 M	30.6 M	12.6 M
Copper	<1.4 mg/kg	TM181		405 #	59.3 M	20.8 M	499 M	153 M	40.8 M
Lead	<0.7 mg/kg	TM181		105 #	44.6 M	32.9 M	538 M	119 M	37.6 M
Mercury	<0.14 mg/kg	TM181		<0.14 #	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<1.4 M
Nickel	<0.2 mg/kg	TM181		15.5 #	36.7 M	17.8 M	53.3 M	28.2 M	52.2 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	<1 #	1.43 #	<1 #	<10 #
Zinc	<1.9 mg/kg	TM181		219 #	109 M	76.1 M	554 M	332 M	127 M
Boron, water soluble	<1 mg/kg	TM222		1.29 #	<1 M	<1 M	4.62 M	2.63 M	<1 M

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	TPC10 ES3
Depth (m)	1.60
Sample Type	Soil/Solid
Date Sampled	15/07/2010
Date Received	17/07/2010
SDG Ref	100719-9
Lab Sample No.(s)	1837139

Component	LOD/Units	Method		
Naphthalene-d8 % recovery**	%	TM218	108	
Acenaphthene-d10 % recovery**	%	TM218	109	
Phenanthrene-d10 % recovery**	%	TM218	110	
Chrysene-d12 % recovery**	%	TM218	104	
Perylene-d12 % recovery**	%	TM218	117	
Naphthalene	<0.009 mg/kg	TM218	0.232	M
Acenaphthylene	<0.012 mg/kg	TM218	<0.012	M
Acenaphthene	<0.008 mg/kg	TM218	0.0495	M
Fluorene	<0.01 mg/kg	TM218	0.0956	M
Phenanthrene	<0.015 mg/kg	TM218	0.345	M
Anthracene	<0.016 mg/kg	TM218	0.0698	M
Fluoranthene	<0.017 mg/kg	TM218	0.302	M
Pyrene	<0.015 mg/kg	TM218	0.236	M
Benz(a)anthracene	<0.014 mg/kg	TM218	0.132	M
Chrysene	<0.01 mg/kg	TM218	0.137	M
Benzo(b)fluoranthene	<0.015 mg/kg	TM218	0.123	M
Benzo(k)fluoranthene	<0.014 mg/kg	TM218	0.0578	M
Benzo(a)pyrene	<0.015 mg/kg	TM218	0.112	M
Indeno(1,2,3-cd)pyrene	<0.018 mg/kg	TM218	0.054	M
Dibenzo(a,h)anthracene	<0.023 mg/kg	TM218	<0.023	M
Benzo(g,h,i)perylene	<0.024 mg/kg	TM218	0.067	M
Polyaromatic hydrocarbons, Total USEPA 16	<0.118 mg/kg	TM218	2.01	M

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	TPC10 ES3
			Depth (m)	1.60
			Sample Type	Soil/Solid
			Date Sampled	15/07/2010
			Date Received	17/07/2010
			SDG Ref	100719-9
			Lab Sample No.(s)	1837139
Phenol	<0.1 mg/kg	TM157		<0.1
Pentachlorophenol	<0.1 mg/kg	TM157		0.589
n-Nitroso-n-dipropylamine	<0.1 mg/kg	TM157		<0.1
Nitrobenzene	<0.1 mg/kg	TM157		<0.1
Isophorone	<0.1 mg/kg	TM157		<0.1
Hexachloroethane	<0.1 mg/kg	TM157		<0.1
Hexachlorocyclopentadiene	<0.1 mg/kg	TM157		<0.1
Hexachlorobutadiene	<0.1 mg/kg	TM157		<0.1
Hexachlorobenzene	<0.1 mg/kg	TM157		<0.1
n-Dioctyl phthalate	<0.1 mg/kg	TM157		<0.1
Dimethyl phthalate	<0.1 mg/kg	TM157		<0.1
Diethyl phthalate	<0.1 mg/kg	TM157		<0.1
n-Dibutyl phthalate	<0.1 mg/kg	TM157		0.209
Dibenzofuran	<0.1 mg/kg	TM157		<0.1
Carbazole	<0.1 mg/kg	TM157		<0.1
Butylbenzyl phthalate	<0.1 mg/kg	TM157		<0.1
bis(2-Ethylhexyl) phthalate	<0.1 mg/kg	TM157		0.155
bis(2-Chloroethoxy)methane	<0.1 mg/kg	TM157		<0.1
bis(2-Chloroethyl)ether	<0.1 mg/kg	TM157		<0.1
Azobenzene	<0.1 mg/kg	TM157		<0.1
4-Nitrophenol	<0.1 mg/kg	TM157		<0.1
4-Nitroaniline	<0.1 mg/kg	TM157		<0.1
4-Methylphenol	<0.1 mg/kg	TM157		<0.1
4-Chlorophenylphenylether	<0.1 mg/kg	TM157		<0.1
4-Chloroaniline	<0.1 mg/kg	TM157		<0.1
4-Chloro-3-methylphenol	<0.1 mg/kg	TM157		<0.1
4-Bromophenylphenylether	<0.1 mg/kg	TM157		<0.1
3-Nitroaniline	<0.1 mg/kg	TM157		<0.1
2-Nitrophenol	<0.1 mg/kg	TM157		<0.1
2-Nitroaniline	<0.1 mg/kg	TM157		<0.1
2-Methylphenol	<0.1 mg/kg	TM157		<0.1
1,2,4-Trichlorobenzene	<0.1 mg/kg	TM157		<0.1
2-Chlorophenol	<0.1 mg/kg	TM157		<0.1
2,6-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1
2,4-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1
2,4-Dimethylphenol	<0.1 mg/kg	TM157		<0.1
2,4-Dichlorophenol	<0.1 mg/kg	TM157		<0.1
2,4,6-Trichlorophenol	<0.1 mg/kg	TM157		<0.1
2,4,5-Trichlorophenol	<0.1 mg/kg	TM157		<0.1

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	TPC10 ES3
Depth (m)	1.60
Sample Type	Soil/Solid
Date Sampled	15/07/2010
Date Received	17/07/2010
SDG Ref	100719-9
Lab Sample No.(s)	1837139

Component	LOD/Units	Method	
1,4-Dichlorobenzene	<0.1	mg/kg	TM157	0.813
1,3-Dichlorobenzene	<0.1	mg/kg	TM157	<0.1
1,2-Dichlorobenzene	<0.1	mg/kg	TM157	3.25
2-Chloronaphthalene	<0.1	mg/kg	TM157	<0.1
2-Methylnaphthalene	<0.1	mg/kg	TM157	0.17
Acenaphthylene	<0.1	mg/kg	TM157	<0.1
Acenaphthene	<0.1	mg/kg	TM157	<0.1
Anthracene	<0.1	mg/kg	TM157	<0.1
Benzo(a)anthracene	<0.1	mg/kg	TM157	<0.1
Benzo(b)fluoranthene	<0.1	mg/kg	TM157	<0.1
Benzo(k)fluoranthene	<0.1	mg/kg	TM157	<0.1
Benzo(a)pyrene	<0.1	mg/kg	TM157	<0.1
Benzo(g,h,i)perylene	<0.1	mg/kg	TM157	<0.1
Chrysene	<0.1	mg/kg	TM157	0.141
Fluoranthene	<0.1	mg/kg	TM157	0.253
Fluorene	<0.1	mg/kg	TM157	<0.1
Indeno(1,2,3-cd)pyrene	<0.1	mg/kg	TM157	<0.1
Phenanthrene	<0.1	mg/kg	TM157	0.286
Pyrene	<0.1	mg/kg	TM157	0.216
Naphthalene	<0.1	mg/kg	TM157	0.144
Dibenzo(a,h)anthracene	<0.1	mg/kg	TM157	<0.1

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	TPC10 ES3
Depth (m)	1.60
Sample Type	Soil/Solid
Date Sampled	15/07/2010
Date Received	17/07/2010
SDG Ref	100719-9
Lab Sample No.(s)	1837139

Component	LOD/Units	Method		
GRO Surrogate % recovery**	%	TM089	81	
GRO >C5-C12	<0.044 mg/kg	TM089	19.2	
Benzene	<0.01 mg/kg	TM089	<0.01	M
Ethylbenzene	<0.003 mg/kg	TM089	<0.003	M
Toluene	<0.002 mg/kg	TM089	<0.002	M
m,p-Xylene	<0.006 mg/kg	TM089	<0.006	M
o-Xylene	<0.003 mg/kg	TM089	<0.003	M
m,p,o-Xylene	<0.01 mg/kg	TM089	<0.01	M
BTEX, Total	<0.01 mg/kg	TM089	<0.01	M
Methyl tertiary butyl ether (MTBE)	<0.005 mg/kg	TM089	<0.005	#
Aliphatics >C5-C6	<0.01 mg/kg	TM089	0.0121	
Aliphatics >C6-C8	<0.01 mg/kg	TM089	0.621	
Aliphatics >C8-C10	<0.01 mg/kg	TM089	2.19	
Aliphatics >C10-C12	<0.01 mg/kg	TM089	5.25	
Aromatics >C6-C7	<0.01 mg/kg	TM089	<0.01	
Aromatics >C7-C8	<0.01 mg/kg	TM089	<0.01	
Aromatics >EC8-EC10	<0.01 mg/kg	TM089	3.28	
Aromatics >EC10-EC12	<0.01 mg/kg	TM089	7.87	
Total Aliphatics >C5-C12	<0.01 mg/kg	TM089	8.07	
Total Aromatics >C6-C12	<0.01 mg/kg	TM089	11.2	
Aliphatics >C12-C16	<0.1 mg/kg	TM173	84.6	
Aliphatics >C16-C21	<0.1 mg/kg	TM173	301	
Aliphatics >C16-C35	<0.1 mg/kg	TM173	1010	
Aliphatics >C21-C35	<0.1 mg/kg	TM173	704	
Aliphatics >C35-C44	<0.1 mg/kg	TM173	158	
Aromatics >EC12-EC16	<0.1 mg/kg	TM173	26.1	
Aromatics >EC16-EC21	<0.1 mg/kg	TM173	66.4	
Aromatics >EC21-EC35	<0.1 mg/kg	TM173	269	
Aromatics >EC35-EC44	<0.1 mg/kg	TM173	85	
Aromatics >EC40-EC44	<0.1 mg/kg	TM173	31.2	
Total Aliphatics >C12-C44	<0.1 mg/kg	TM173	1250	
Total Aromatics >EC12-EC44	<0.1 mg/kg	TM173	446	
Total Aliphatics >C5-35	<0.1 mg/kg	TM173	1100	
Total Aliphatics >C5-C44	<0.1 mg/kg	TM173	1260	
Total Aromatics >C5-35	<0.1 mg/kg	TM173	372	
Total Aromatics >C6-C44	<0.1 mg/kg	TM173	457	
Total Aliphatics & Aromatics >C5-35	<0.1 mg/kg	TM173	1470	
Total Aliphatics & Aromatics >C5-C44	<0.1 mg/kg	TM173	1710	

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	TPC10 ES3
Depth (m)	1.60
Sample Type	Soil/Solid
Date Sampled	15/07/2010
Date Received	17/07/2010
SDG Ref	100719-9
Lab Sample No.(s)	1837139

Component	LOD/Units	Method		
Dibromofluoromethane**	%	TM116	92.3	
Toluene-d8**	%	TM116	93.7	
4-Bromofluorobenzene**	%	TM116	143	
Dichlorodifluoromethane	<0.004 mg/kg	TM116	<0.004	M
Chloromethane	<0.007 mg/kg	TM116	<0.007	#
Vinyl Chloride	<0.01 mg/kg	TM116	<0.01	#
Bromomethane	<0.013 mg/kg	TM116	<0.013	M
Chloroethane	<0.014 mg/kg	TM116	<0.014	M
Trichlorofluorormethane	<0.006 mg/kg	TM116	<0.006	M
1.1-Dichloroethene	<0.01 mg/kg	TM116	<0.01	#
Carbon Disulphide	<0.007 mg/kg	TM116	0.0549	M
Dichloromethane	<0.01 mg/kg	TM116	<0.01	#
Methyl Tertiary Butyl Ether	<0.011 mg/kg	TM116	<0.011	M
trans-1-2-Dichloroethene	<0.011 mg/kg	TM116	<0.011	M
1.1-Dichloroethane	<0.008 mg/kg	TM116	<0.008	M
cis-1-2-Dichloroethene	<0.005 mg/kg	TM116	0.0723	M
2.2-Dichloropropane	<0.012 mg/kg	TM116	<0.012	M
Bromochloromethane	<0.014 mg/kg	TM116	<0.014	M
Chloroform	<0.008 mg/kg	TM116	<0.008	M
1.1.1-Trichloroethane	<0.007 mg/kg	TM116	<0.007	M
1.1-Dichloropropene	<0.011 mg/kg	TM116	<0.011	M
Carbontetrachloride	<0.014 mg/kg	TM116	<0.014	M
1.2-Dichloroethane	<0.005 mg/kg	TM116	<0.005	M
Benzene	<0.009 mg/kg	TM116	<0.009	M
Trichloroethene	<0.009 mg/kg	TM116	2.54	M
1.2-Dichloropropane	<0.012 mg/kg	TM116	<0.012	M
Dibromomethane	<0.009 mg/kg	TM116	<0.009	M
Bromodichloromethane	<0.007 mg/kg	TM116	<0.007	M
cis-1-3-Dichloropropene	<0.014 mg/kg	TM116	<0.014	M
Toluene	<0.005 mg/kg	TM116	<0.005	M
trans-1-3-Dichloropropene	<0.014 mg/kg	TM116	<0.014	
1.1.2-Trichloroethane	<0.01 mg/kg	TM116	<0.01	M
1.3-Dichloropropane	<0.007 mg/kg	TM116	<0.007	#
Tetrachloroethene	<0.005 mg/kg	TM116	0.159	M
Dibromochloromethane	<0.013 mg/kg	TM116	<0.013	M
1.2-Dibromoethane	<0.012 mg/kg	TM116	<0.012	M
Chorobenzene	<0.005 mg/kg	TM116	<0.005	M
1.1.1.2-Tetrachloroethane	<0.01 mg/kg	TM116	<0.01	M
Ethylbenzene	<0.004 mg/kg	TM116	0.00732	M

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	TPC10 ES3
Depth (m)	1.60
Sample Type	Soil/Solid
Date Sampled	15/07/2010
Date Received	17/07/2010
SDG Ref	100719-9
Lab Sample No.(s)	1837139

Component	LOD/Units	Method		
p/m-Xylene	<0.014	mg/kg	TM116	<0.014 #
o-Xylene	<0.01	mg/kg	TM116	<0.01 M
Styrene	<0.01	mg/kg	TM116	<0.01 M
Bromoform	<0.01	mg/kg	TM116	<0.01 M
Isopropylbenzene	<0.005	mg/kg	TM116	0.0214 M
1.1.2.2-Tetrachloroethane	<0.01	mg/kg	TM116	<0.01 #
1.2.3-Trichloropropane	<0.017	mg/kg	TM116	<0.017 M
Bromobenzene	<0.01	mg/kg	TM116	<0.01 M
Propylbenzene	<0.011	mg/kg	TM116	0.0364 M
2-Chlorotoluene	<0.009	mg/kg	TM116	<0.009 M
1.3.5-Trimethylbenzene	<0.008	mg/kg	TM116	0.0249 #
4-Chlorotoluene	<0.012	mg/kg	TM116	<0.012 M
tert-Butylbenzene	<0.012	mg/kg	TM116	<0.012 #
1.2.4-Trimethylbenzene	<0.009	mg/kg	TM116	0.18 #
sec-Butylbenzene	<0.01	mg/kg	TM116	0.147 M
4-Isopropyltoluene	<0.011	mg/kg	TM116	<0.011 M
1.3-Dichlorobenzene	<0.006	mg/kg	TM116	0.0959 M
1.4-Dichlorobenzene	<0.005	mg/kg	TM116	0.87 M
n-Butylbenzene	<0.01	mg/kg	TM116	<0.01 M
1.2-Dichlorobenzene	<0.012	mg/kg	TM116	3.28 M
1.2-Dibromo-3-chloropropane	<0.014	mg/kg	TM116	<0.014 M
Tert-amyl methyl ether	<0.015	mg/kg	TM116	<0.015
1.2.4-Trichlorobenzene	<0.006	mg/kg	TM116	<0.006 #
Hexachlorobutadiene	<0.012	mg/kg	TM116	<0.012 M
Naphthalene	<0.013	mg/kg	TM116	<0.013 M
1.2.3-Trichlorobenzene	<0.006	mg/kg	TM116	<0.006 M

ALcontrol Laboratories Analytical Services

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	TPC9 ES1	TPE1 ES1	TPE2 ES1	TPE2 ES2	WSC1	WSC1
			Depth (m)	0.20	0.50	0.50	1.80	0.00 - 0.20	1.50 - 1.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/07/2010	15/07/2010	15/07/2010	15/07/2010	16/07/2010	16/07/2010
			Date Received	17/07/2010	17/07/2010	17/07/2010	17/07/2010	17/07/2010	17/07/2010
			SDG Ref	100719-9	100719-9	100719-9	100719-9	100719-9	100719-9
			Lab Sample No.(s)	1837454	1837117	1837129	1837108	1836354	1836522
Asbestos Containing Material Screen	-	TM001		No ACM Detected		No ACM Detected			
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024		<15 M	<15 M	<15 M	<15 M	<15 M	<15 M
Sulphate, 2:1 water soluble	<0.003 g/l	TM098		0.157 M	1.35 M	0.0277 M	0.214 M	0.043 M	2.39 M
Soil Organic Matter (SOM)	<0.35 %	TM132							9.21 #
pH	1 pH Units	TM133		7.87 M	8.46 M	8.64 M	7.43 M	7.98 M	7.72 M
Chromium, Hexavalent	<0.6 mg/kg	TM151		2.44 #	<0.6 #	<0.6 #	<0.6 #	<1.2 #	<0.6 #
TPH >C6-C8	<10 mg/kg	TM154		<10		<10			<10
TPH >C8-C10	<10 mg/kg	TM154		<10		<10			<10
TPH >C10-C12	<10 mg/kg	TM154		<10		<10			<10
TPH >C12-C16	<10 mg/kg	TM154		<10		<10			<10
TPH >C16-C21	<10 mg/kg	TM154		110		76.5			<10
TPH >C21-C40	<10 mg/kg	TM154		2420		700			230
TPH >C6-C40	<10 mg/kg	TM154		2540 #		786 #			244 #
Arsenic	<0.6 mg/kg	TM181		77.4 M	11.2 M	9.13 M	10.2 M	22.4 M	7.93 M
Cadmium	<0.02 mg/kg	TM181		24.2 M	<0.02 M	<0.02 M	<0.02 M	<0.02 M	0.706 M
Chromium	<0.9 mg/kg	TM181		324 M	14.6 M	15.3 M	26.4 M	60.5 M	65.8 M
Copper	<1.4 mg/kg	TM181		7070 M	23.8 M	12.2 M	21.7 M	20.1 M	55.4 M
Lead	<0.7 mg/kg	TM181		4080 M	32.9 M	9.78 M	103 M	29.3 M	15.4 M
Mercury	<0.14 mg/kg	TM181		<1.4 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		200 M	12.9 M	13.9 M	21.4 M	34.9 M	59.5 M
Selenium	<1 mg/kg	TM181		<10 #	<1 #	<1 #	<1 #	1.4 #	4.97 #
Zinc	<1.9 mg/kg	TM181		4600 M	74.4 M	34 M	70.8 M	99.6 M	134 M
Boron, water soluble	<1 mg/kg	TM222		3.73 M	<1 M	<1 M	1.38 M	<1 M	4.84 M

ALcontrol Laboratories Analytical Services

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSC2	WSC2	WSC3	WSD10	WSD11	WSD12
			Depth (m)	0.20 - 0.40	1.20 - 1.40	2.40 - 2.60	1.60 - 1.90	2.90 - 3.10	1.50 - 1.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/07/2010	16/07/2010	16/07/2010	15/07/2010	15/07/2010	15/07/2010
			Date Received	17/07/2010	17/07/2010	17/07/2010	17/07/2010	17/07/2010	17/07/2010
			SDG Ref	100719-9	100719-9	100719-9	100719-9	100719-9	100719-9
			Lab Sample No.(s)	1836545	1836658	1836565	1836248	1841524	1836196
Asbestos Containing Material Screen	-	TM001		No ACM Detected					
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024		<15 M	<15 M	<15 M	<15 M	<15 M	<15 M
Sulphate, 2:1 water soluble	<0.003 g/l	TM098		1.45 M	1.92 M	2.38 M	1.75 M	1.77 M	1.8 M
Soil Organic Matter (SOM)	<0.35 %	TM132					2.62 #		
pH	1 pH Units	TM133		8.13 M	7.7 M	6.79 M	5.16 M	5.38 M	7.1 M
Chromium, Hexavalent	<0.6 mg/kg	TM151		<0.6 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #
TPH >C6-C8	<10 mg/kg	TM154			<10		<10	<10	<10
TPH >C8-C10	<10 mg/kg	TM154			<10		<10	<10	<10
TPH >C10-C12	<10 mg/kg	TM154			<10		<10	<10	<10
TPH >C12-C16	<10 mg/kg	TM154			<10		<10	<10	<10
TPH >C16-C21	<10 mg/kg	TM154			<10		<10	<10	<10
TPH >C21-C40	<10 mg/kg	TM154			100		128	124	14.4
TPH >C6-C40	<10 mg/kg	TM154			105 #		135 #	128 #	14.4 #
Arsenic	<0.6 mg/kg	TM181		24 M	4 M	6.41 M	8.09 M	7.49 M	8.84 M
Cadmium	<0.02 mg/kg	TM181		<0.02 M	0.619 M	2.38 M	<0.02 M	<0.02 M	<0.02 M
Chromium	<0.9 mg/kg	TM181		73.2 M	61.9 M	136 M	20.7 M	27.9 M	58.1 M
Copper	<1.4 mg/kg	TM181		39.4 M	31.7 M	33.7 M	10.8 M	19.4 M	36.2 M
Lead	<0.7 mg/kg	TM181		60.1 M	9.81 M	9.16 M	6.38 M	9.29 M	12.8 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		41.7 M	41 M	55.3 M	61.1 M	23.4 M	31.2 M
Selenium	<1 mg/kg	TM181		1.23 #	2.03 #	2.11 #	1.29 #	1.35 #	3.62 #
Zinc	<1.9 mg/kg	TM181		137 M	71.2 M	160 M	74 M	53.7 M	83.5 M
Boron, water soluble	<1 mg/kg	TM222		<1 M	6.06 M	15.4 M	2.72 M	5.22 M	1.27 M

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSC3
			Depth (m)	2.40 - 2.60
			Sample Type	Soil/Solid
			Date Sampled	16/07/2010
			Date Received	17/07/2010
			SDG Ref	100719-9
			Lab Sample No.(s)	1836565
Naphthalene-d8 % recovery**	%	TM218		112
Acenaphthene-d10 % recovery**	%	TM218		110
Phenanthrene-d10 % recovery**	%	TM218		109
Chrysene-d12 % recovery**	%	TM218		95.9
Perylene-d12 % recovery**	%	TM218		107
Naphthalene	<0.009 mg/kg	TM218		<0.009 M
Acenaphthylene	<0.012 mg/kg	TM218		<0.012 M
Acenaphthene	<0.008 mg/kg	TM218		<0.008 M
Fluorene	<0.01 mg/kg	TM218		<0.01 M
Phenanthrene	<0.015 mg/kg	TM218		<0.015 M
Anthracene	<0.016 mg/kg	TM218		<0.016 M
Fluoranthene	<0.017 mg/kg	TM218		<0.017 M
Pyrene	<0.015 mg/kg	TM218		<0.015 M
Benz(a)anthracene	<0.014 mg/kg	TM218		<0.014 M
Chrysene	<0.01 mg/kg	TM218		<0.01 M
Benzo(b)fluoranthene	<0.015 mg/kg	TM218		<0.015 M
Benzo(k)fluoranthene	<0.014 mg/kg	TM218		<0.014 M
Benzo(a)pyrene	<0.015 mg/kg	TM218		<0.015 M
Indeno(1,2,3-cd)pyrene	<0.018 mg/kg	TM218		<0.018 M
Dibenzo(a,h)anthracene	<0.023 mg/kg	TM218		<0.023 M
Benzo(g,h,i)perylene	<0.024 mg/kg	TM218		<0.024 M
Polyaromatic hydrocarbons, Total USEPA 16	<0.118 mg/kg	TM218		<0.118 M

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSC3
			Depth (m)	2.40 - 2.60
			Sample Type	Soil/Solid
			Date Sampled	16/07/2010
			Date Received	17/07/2010
			SDG Ref	100719-9
			Lab Sample No.(s)	1836565
Phenol	<0.1 mg/kg	TM157		<0.1
Pentachlorophenol	<0.1 mg/kg	TM157		<0.1
n-Nitroso-n-dipropylamine	<0.1 mg/kg	TM157		<0.1
Nitrobenzene	<0.1 mg/kg	TM157		<0.1
Isophorone	<0.1 mg/kg	TM157		<0.1
Hexachloroethane	<0.1 mg/kg	TM157		<0.1
Hexachlorocyclopentadiene	<0.1 mg/kg	TM157		<0.1
Hexachlorobutadiene	<0.1 mg/kg	TM157		<0.1
Hexachlorobenzene	<0.1 mg/kg	TM157		<0.1
n-Dioctyl phthalate	<0.1 mg/kg	TM157		<0.1
Dimethyl phthalate	<0.1 mg/kg	TM157		<0.1
Diethyl phthalate	<0.1 mg/kg	TM157		<0.1
n-Dibutyl phthalate	<0.1 mg/kg	TM157		<0.1
Dibenzofuran	<0.1 mg/kg	TM157		<0.1
Carbazole	<0.1 mg/kg	TM157		<0.1
Butylbenzyl phthalate	<0.1 mg/kg	TM157		<0.1
bis(2-Ethylhexyl) phthalate	<0.1 mg/kg	TM157		<0.1
bis(2-Chloroethoxy)methane	<0.1 mg/kg	TM157		<0.1
bis(2-Chloroethyl)ether	<0.1 mg/kg	TM157		<0.1
Azobenzene	<0.1 mg/kg	TM157		<0.1
4-Nitrophenol	<0.1 mg/kg	TM157		<0.1
4-Nitroaniline	<0.1 mg/kg	TM157		<0.1
4-Methylphenol	<0.1 mg/kg	TM157		<0.1
4-Chlorophenylphenylether	<0.1 mg/kg	TM157		<0.1
4-Chloroaniline	<0.1 mg/kg	TM157		<0.1
4-Chloro-3-methylphenol	<0.1 mg/kg	TM157		<0.1
4-Bromophenylphenylether	<0.1 mg/kg	TM157		<0.1
3-Nitroaniline	<0.1 mg/kg	TM157		<0.1
2-Nitrophenol	<0.1 mg/kg	TM157		<0.1
2-Nitroaniline	<0.1 mg/kg	TM157		<0.1
2-Methylphenol	<0.1 mg/kg	TM157		<0.1
1,2,4-Trichlorobenzene	<0.1 mg/kg	TM157		<0.1
2-Chlorophenol	<0.1 mg/kg	TM157		<0.1
2,6-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1
2,4-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1
2,4-Dimethylphenol	<0.1 mg/kg	TM157		<0.1
2,4-Dichlorophenol	<0.1 mg/kg	TM157		<0.1
2,4,6-Trichlorophenol	<0.1 mg/kg	TM157		<0.1
2,4,5-Trichlorophenol	<0.1 mg/kg	TM157		<0.1

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSC3
Depth (m)	2.40 - 2.60
Sample Type	Soil/Solid
Date Sampled	16/07/2010
Date Received	17/07/2010
SDG Ref	100719-9
Lab Sample No.(s)	1836565

Component	LOD/Units	Method	
1,4-Dichlorobenzene	<0.1 mg/kg	TM157	<0.1
1,3-Dichlorobenzene	<0.1 mg/kg	TM157	<0.1
1,2-Dichlorobenzene	<0.1 mg/kg	TM157	<0.1
2-Chloronaphthalene	<0.1 mg/kg	TM157	<0.1
2-Methylnaphthalene	<0.1 mg/kg	TM157	<0.1
Acenaphthylene	<0.1 mg/kg	TM157	<0.1
Acenaphthene	<0.1 mg/kg	TM157	<0.1
Anthracene	<0.1 mg/kg	TM157	<0.1
Benzo(a)anthracene	<0.1 mg/kg	TM157	<0.1
Benzo(b)fluoranthene	<0.1 mg/kg	TM157	<0.1
Benzo(k)fluoranthene	<0.1 mg/kg	TM157	<0.1
Benzo(a)pyrene	<0.1 mg/kg	TM157	<0.1
Benzo(g,h,i)perylene	<0.1 mg/kg	TM157	<0.1
Chrysene	<0.1 mg/kg	TM157	<0.1
Fluoranthene	<0.1 mg/kg	TM157	<0.1
Fluorene	<0.1 mg/kg	TM157	<0.1
Indeno(1,2,3-cd)pyrene	<0.1 mg/kg	TM157	<0.1
Phenanthrene	<0.1 mg/kg	TM157	<0.1
Pyrene	<0.1 mg/kg	TM157	<0.1
Naphthalene	<0.1 mg/kg	TM157	<0.1
Dibenzo(a,h)anthracene	<0.1 mg/kg	TM157	<0.1

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSC3
Depth (m)	2.40 - 2.60
Sample Type	Soil/Solid
Date Sampled	16/07/2010
Date Received	17/07/2010
SDG Ref	100719-9
Lab Sample No.(s)	1836565

Component	LOD/Units	Method		
GRO Surrogate % recovery**	%	TM089	19	
GRO >C5-C12	<0.044 mg/kg	TM089	0.531	
Benzene	<0.01 mg/kg	TM089	<0.01	M
Ethylbenzene	<0.003 mg/kg	TM089	<0.003	M
Toluene	<0.002 mg/kg	TM089	<0.002	M
m,p-Xylene	<0.006 mg/kg	TM089	<0.006	M
o-Xylene	<0.003 mg/kg	TM089	<0.003	M
m,p,o-Xylene	<0.01 mg/kg	TM089	<0.01	M
BTEX, Total	<0.01 mg/kg	TM089	<0.01	M
Methyl tertiary butyl ether (MTBE)	<0.005 mg/kg	TM089	<0.005	#
Aliphatics >C5-C6	<0.01 mg/kg	TM089	0.0368	
Aliphatics >C6-C8	<0.01 mg/kg	TM089	0.494	
Aliphatics >C8-C10	<0.01 mg/kg	TM089	<0.01	
Aliphatics >C10-C12	<0.01 mg/kg	TM089	<0.01	
Aromatics >C6-C7	<0.01 mg/kg	TM089	<0.01	
Aromatics >C7-C8	<0.01 mg/kg	TM089	<0.01	
Aromatics >EC8-EC10	<0.01 mg/kg	TM089	<0.01	
Aromatics >EC10-EC12	<0.01 mg/kg	TM089	<0.01	
Total Aliphatics >C5-C12	<0.01 mg/kg	TM089	0.531	
Total Aromatics >C6-C12	<0.01 mg/kg	TM089	<0.01	
Aliphatics >C12-C16	<0.1 mg/kg	TM173	8.72	
Aliphatics >C16-C21	<0.1 mg/kg	TM173	11.1	
Aliphatics >C16-C35	<0.1 mg/kg	TM173	63.3	
Aliphatics >C21-C35	<0.1 mg/kg	TM173	52.1	
Aliphatics >C35-C44	<0.1 mg/kg	TM173	4.19	
Aromatics >EC12-EC16	<0.1 mg/kg	TM173	7.17	
Aromatics >EC16-EC21	<0.1 mg/kg	TM173	21.7	
Aromatics >EC21-EC35	<0.1 mg/kg	TM173	214	
Aromatics >EC35-EC44	<0.1 mg/kg	TM173	71.5	
Aromatics >EC40-EC44	<0.1 mg/kg	TM173	27.4	
Total Aliphatics >C12-C44	<0.1 mg/kg	TM173	76.2	
Total Aromatics >EC12-EC44	<0.1 mg/kg	TM173	314	
Total Aliphatics >C5-35	<0.1 mg/kg	TM173	72.5	
Total Aliphatics >C5-C44	<0.1 mg/kg	TM173	76.7	
Total Aromatics >C5-35	<0.1 mg/kg	TM173	243	
Total Aromatics >C6-C44	<0.1 mg/kg	TM173	314	
Total Aliphatics & Aromatics >C5-35	<0.1 mg/kg	TM173	315	
Total Aliphatics & Aromatics >C5-C44	<0.1 mg/kg	TM173	391	

ALcontrol Laboratories Analytical Services

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSC3
Depth (m)	2.40 - 2.60
Sample Type	Soil/Solid
Date Sampled	16/07/2010
Date Received	17/07/2010
SDG Ref	100719-9
Lab Sample No.(s)	1836565

Component	LOD/Units	Method	
Dibromofluoromethane**	%	TM116	91.4
Toluene-d8**	%	TM116	79.4
4-Bromofluorobenzene**	%	TM116	165
Dichlorodifluoromethane	<0.004 mg/kg	TM116	<0.004 M
Chloromethane	<0.007 mg/kg	TM116	<0.007 #
Vinyl Chloride	<0.01 mg/kg	TM116	<0.01 #
Bromomethane	<0.013 mg/kg	TM116	<0.013 M
Chloroethane	<0.014 mg/kg	TM116	<0.014 M
Trichlorofluorormethane	<0.006 mg/kg	TM116	<0.006 M
1.1-Dichloroethene	<0.01 mg/kg	TM116	<0.01 #
Carbon Disulphide	<0.007 mg/kg	TM116	0.0283 M
Dichloromethane	<0.01 mg/kg	TM116	<0.01 #
Methyl Tertiary Butyl Ether	<0.011 mg/kg	TM116	<0.011 M
trans-1-2-Dichloroethene	<0.011 mg/kg	TM116	0.0184 M
1.1-Dichloroethane	<0.008 mg/kg	TM116	<0.008 M
cis-1-2-Dichloroethene	<0.005 mg/kg	TM116	0.0954 M
2.2-Dichloropropane	<0.012 mg/kg	TM116	<0.012 M
Bromochloromethane	<0.014 mg/kg	TM116	<0.014 M
Chloroform	<0.008 mg/kg	TM116	<0.008 M
1.1.1-Trichloroethane	<0.007 mg/kg	TM116	<0.007 M
1.1-Dichloropropene	<0.011 mg/kg	TM116	<0.011 M
Carbontetrachloride	<0.014 mg/kg	TM116	<0.014 M
1.2-Dichloroethane	<0.005 mg/kg	TM116	<0.005 M
Benzene	<0.009 mg/kg	TM116	<0.009 M
Trichloroethene	<0.009 mg/kg	TM116	4.14 M
1.2-Dichloropropane	<0.012 mg/kg	TM116	<0.012 M
Dibromomethane	<0.009 mg/kg	TM116	<0.009 M
Bromodichloromethane	<0.007 mg/kg	TM116	<0.007 M
cis-1-3-Dichloropropene	<0.014 mg/kg	TM116	<0.014 M
Toluene	<0.005 mg/kg	TM116	<0.005 M
trans-1-3-Dichloropropene	<0.014 mg/kg	TM116	<0.014
1.1.2-Trichloroethane	<0.01 mg/kg	TM116	<0.01 M
1.3-Dichloropropane	<0.007 mg/kg	TM116	<0.007 #
Tetrachloroethene	<0.005 mg/kg	TM116	<0.005 M
Dibromochloromethane	<0.013 mg/kg	TM116	<0.013 M
1.2-Dibromoethane	<0.012 mg/kg	TM116	<0.012 M
Chorobenzene	<0.005 mg/kg	TM116	<0.005 M
1.1.1.2-Tetrachloroethane	<0.01 mg/kg	TM116	<0.01 M
Ethylbenzene	<0.004 mg/kg	TM116	<0.004 M

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSC3
Depth (m)	2.40 - 2.60
Sample Type	Soil/Solid
Date Sampled	16/07/2010
Date Received	17/07/2010
SDG Ref	100719-9
Lab Sample No.(s)	1836565

Component	LOD/Units	Method		
p/m-Xylene	<0.014	mg/kg	TM116	<0.014 #
o-Xylene	<0.01	mg/kg	TM116	<0.01 M
Styrene	<0.01	mg/kg	TM116	<0.01 M
Bromoform	<0.01	mg/kg	TM116	<0.01 M
Isopropylbenzene	<0.005	mg/kg	TM116	<0.005 M
1.1.2.2-Tetrachloroethane	<0.01	mg/kg	TM116	<0.01 #
1.2.3-Trichloropropane	<0.017	mg/kg	TM116	<0.017 M
Bromobenzene	<0.01	mg/kg	TM116	<0.01 M
Propylbenzene	<0.011	mg/kg	TM116	<0.011 M
2-Chlorotoluene	<0.009	mg/kg	TM116	<0.009 M
1.3.5-Trimethylbenzene	<0.008	mg/kg	TM116	<0.008 #
4-Chlorotoluene	<0.012	mg/kg	TM116	<0.012 M
tert-Butylbenzene	<0.012	mg/kg	TM116	<0.012 #
1.2.4-Trimethylbenzene	<0.009	mg/kg	TM116	<0.009 #
sec-Butylbenzene	<0.01	mg/kg	TM116	<0.01 M
4-Isopropyltoluene	<0.011	mg/kg	TM116	<0.011 M
1.3-Dichlorobenzene	<0.006	mg/kg	TM116	<0.006 M
1.4-Dichlorobenzene	<0.005	mg/kg	TM116	<0.005 M
n-Butylbenzene	<0.01	mg/kg	TM116	<0.01 M
1.2-Dichlorobenzene	<0.012	mg/kg	TM116	<0.012 M
1.2-Dibromo-3-chloropropane	<0.014	mg/kg	TM116	<0.014 M
Tert-amyl methyl ether	<0.015	mg/kg	TM116	<0.015
1.2.4-Trichlorobenzene	<0.006	mg/kg	TM116	<0.006 #
Hexachlorobutadiene	<0.012	mg/kg	TM116	<0.012 M
Naphthalene	<0.013	mg/kg	TM116	<0.013 M
1.2.3-Trichlorobenzene	<0.006	mg/kg	TM116	<0.006 M

Validated

ALcontrol Laboratories Analytical Services

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSD13	WSD9	WSD9	WSE17	WSE17
			Depth (m)	0.10 - 0.30	0.30 - 0.50	3.80 - 4.00	0.60 - 0.80	2.40 - 2.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	15/07/2010	15/07/2010	15/07/2010	15/07/2010	15/07/2010
			Date Received	17/07/2010	17/07/2010	17/07/2010	17/07/2010	17/07/2010
			SDG Ref	100719-9	100719-9	100719-9	100719-9	100719-9
			Lab Sample No.(s)	1836238	1836192	1836218	1836300	1836307
Asbestos Containing Material Screen	-	TM001			No ACM Detected			
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024		<15 M	<15 M	<15 M	55.4 M	<15 M
Sulphate, 2:1 water soluble	<0.003 g/l	TM098		0.122 M	0.159 M	1.61 M	0.477 M	1.6 M
Soil Organic Matter (SOM)	<0.35 %	TM132					0.876 #	
pH	1 pH Units	TM133		8.2 M	8.32 M	5.77 M	7.64 M	5.85 M
Chromium, Hexavalent	<0.6 mg/kg	TM151		<0.6 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #
TPH >C6-C8	<10 mg/kg	TM154			<10		<10	<10
TPH >C8-C10	<10 mg/kg	TM154			<10		<10	<10
TPH >C10-C12	<10 mg/kg	TM154			<10		<10	<10
TPH >C12-C16	<10 mg/kg	TM154			<10		<10	<10
TPH >C16-C21	<10 mg/kg	TM154			12.8		<10	<10
TPH >C21-C40	<10 mg/kg	TM154			134		69.4	101
TPH >C6-C40	<10 mg/kg	TM154			151 #		78.6 #	106 #
Arsenic	<0.6 mg/kg	TM181		12.1 M	9.65 M	32.5 M	7.15 M	5.77 M
Cadmium	<0.02 mg/kg	TM181		0.0948 M	0.384 M	<0.2 M	<0.02 M	0.1 M
Chromium	<0.9 mg/kg	TM181		38.3 M	56.7 M	<9 M	32.6 M	29.7 M
Copper	<1.4 mg/kg	TM181		24.1 M	36.5 M	42.7 M	11.1 M	27.3 M
Lead	<0.7 mg/kg	TM181		18.2 M	29.1 M	<7 M	13.5 M	15.4 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<1.4 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		29.3 M	44.4 M	61.2 M	20.9 M	21.6 M
Selenium	<1 mg/kg	TM181		<1 #	1.32 #	<10 #	<1 #	1.21 #
Zinc	<1.9 mg/kg	TM181		92.7 M	149 M	56.9 M	81.1 M	41 M
Boron, water soluble	<1 mg/kg	TM222		1.49 M	<1 M	1.86 M	<1 M	2.08 M

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSD9
			Depth (m)	3.80 - 4.00
			Sample Type	Soil/Solid
			Date Sampled	15/07/2010
			Date Received	17/07/2010
			SDG Ref	100719-9
			Lab Sample No.(s)	1836218
Naphthalene-d8 % recovery**	%	TM218		105
Acenaphthene-d10 % recovery**	%	TM218		102
Phenanthrene-d10 % recovery**	%	TM218		104
Chrysene-d12 % recovery**	%	TM218		88.7
Perylene-d12 % recovery**	%	TM218		94.8
Naphthalene	<0.009 mg/kg	TM218		<0.009 M
Acenaphthylene	<0.012 mg/kg	TM218		<0.012 M
Acenaphthene	<0.008 mg/kg	TM218		<0.008 M
Fluorene	<0.01 mg/kg	TM218		<0.01 M
Phenanthrene	<0.015 mg/kg	TM218		<0.015 M
Anthracene	<0.016 mg/kg	TM218		<0.016 M
Fluoranthene	<0.017 mg/kg	TM218		<0.017 M
Pyrene	<0.015 mg/kg	TM218		<0.015 M
Benz(a)anthracene	<0.014 mg/kg	TM218		<0.014 M
Chrysene	<0.01 mg/kg	TM218		<0.01 M
Benzo(b)fluoranthene	<0.015 mg/kg	TM218		<0.015 M
Benzo(k)fluoranthene	<0.014 mg/kg	TM218		<0.014 M
Benzo(a)pyrene	<0.015 mg/kg	TM218		<0.015 M
Indeno(1,2,3-cd)pyrene	<0.018 mg/kg	TM218		<0.018 M
Dibenzo(a,h)anthracene	<0.023 mg/kg	TM218		<0.023 M
Benzo(g,h,i)perylene	<0.024 mg/kg	TM218		<0.024 M
Polyaromatic hydrocarbons, Total USEPA 16	<0.118 mg/kg	TM218		<0.118 M

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSD9
			Depth (m)	3.80 - 4.00
			Sample Type	Soil/Solid
			Date Sampled	15/07/2010
			Date Received	17/07/2010
			SDG Ref	100719-9
			Lab Sample No.(s)	1836218
Phenol	<0.1 mg/kg	TM157		<0.1
Pentachlorophenol	<0.1 mg/kg	TM157		<0.1
n-Nitroso-n-dipropylamine	<0.1 mg/kg	TM157		<0.1
Nitrobenzene	<0.1 mg/kg	TM157		<0.1
Isophorone	<0.1 mg/kg	TM157		<0.1
Hexachloroethane	<0.1 mg/kg	TM157		<0.1
Hexachlorocyclopentadiene	<0.1 mg/kg	TM157		<0.1
Hexachlorobutadiene	<0.1 mg/kg	TM157		<0.1
Hexachlorobenzene	<0.1 mg/kg	TM157		<0.1
n-Dioctyl phthalate	<0.1 mg/kg	TM157		<0.1
Dimethyl phthalate	<0.1 mg/kg	TM157		<0.1
Diethyl phthalate	<0.1 mg/kg	TM157		<0.1
n-Dibutyl phthalate	<0.1 mg/kg	TM157		<0.1
Dibenzofuran	<0.1 mg/kg	TM157		<0.1
Carbazole	<0.1 mg/kg	TM157		<0.1
Butylbenzyl phthalate	<0.1 mg/kg	TM157		<0.1
bis(2-Ethylhexyl) phthalate	<0.1 mg/kg	TM157		<0.1
bis(2-Chloroethoxy)methane	<0.1 mg/kg	TM157		<0.1
bis(2-Chloroethyl)ether	<0.1 mg/kg	TM157		<0.1
Azobenzene	<0.1 mg/kg	TM157		<0.1
4-Nitrophenol	<0.1 mg/kg	TM157		<0.1
4-Nitroaniline	<0.1 mg/kg	TM157		<0.1
4-Methylphenol	<0.1 mg/kg	TM157		<0.1
4-Chlorophenylphenylether	<0.1 mg/kg	TM157		<0.1
4-Chloroaniline	<0.1 mg/kg	TM157		<0.1
4-Chloro-3-methylphenol	<0.1 mg/kg	TM157		<0.1
4-Bromophenylphenylether	<0.1 mg/kg	TM157		<0.1
3-Nitroaniline	<0.1 mg/kg	TM157		<0.1
2-Nitrophenol	<0.1 mg/kg	TM157		<0.1
2-Nitroaniline	<0.1 mg/kg	TM157		<0.1
2-Methylphenol	<0.1 mg/kg	TM157		<0.1
1,2,4-Trichlorobenzene	<0.1 mg/kg	TM157		<0.1
2-Chlorophenol	<0.1 mg/kg	TM157		<0.1
2,6-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1
2,4-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1
2,4-Dimethylphenol	<0.1 mg/kg	TM157		<0.1
2,4-Dichlorophenol	<0.1 mg/kg	TM157		<0.1
2,4,6-Trichlorophenol	<0.1 mg/kg	TM157		<0.1
2,4,5-Trichlorophenol	<0.1 mg/kg	TM157		<0.1

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSD9
Depth (m)	3.80 - 4.00
Sample Type	Soil/Solid
Date Sampled	15/07/2010
Date Received	17/07/2010
SDG Ref	100719-9
Lab Sample No.(s)	1836218

Component	LOD/Units	Method	
1,4-Dichlorobenzene	<0.1 mg/kg	TM157	<0.1
1,3-Dichlorobenzene	<0.1 mg/kg	TM157	<0.1
1,2-Dichlorobenzene	<0.1 mg/kg	TM157	<0.1
2-Chloronaphthalene	<0.1 mg/kg	TM157	<0.1
2-Methylnaphthalene	<0.1 mg/kg	TM157	<0.1
Acenaphthylene	<0.1 mg/kg	TM157	<0.1
Acenaphthene	<0.1 mg/kg	TM157	<0.1
Anthracene	<0.1 mg/kg	TM157	<0.1
Benzo(a)anthracene	<0.1 mg/kg	TM157	<0.1
Benzo(b)fluoranthene	<0.1 mg/kg	TM157	<0.1
Benzo(k)fluoranthene	<0.1 mg/kg	TM157	<0.1
Benzo(a)pyrene	<0.1 mg/kg	TM157	<0.1
Benzo(g,h,i)perylene	<0.1 mg/kg	TM157	<0.1
Chrysene	<0.1 mg/kg	TM157	<0.1
Fluoranthene	<0.1 mg/kg	TM157	<0.1
Fluorene	<0.1 mg/kg	TM157	<0.1
Indeno(1,2,3-cd)pyrene	<0.1 mg/kg	TM157	<0.1
Phenanthrene	<0.1 mg/kg	TM157	<0.1
Pyrene	<0.1 mg/kg	TM157	<0.1
Naphthalene	<0.1 mg/kg	TM157	<0.1
Dibenzo(a,h)anthracene	<0.1 mg/kg	TM157	<0.1

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSD9
Depth (m)	3.80 - 4.00
Sample Type	Soil/Solid
Date Sampled	15/07/2010
Date Received	17/07/2010
SDG Ref	100719-9
Lab Sample No.(s)	1836218

Component	LOD/Units	Method	
GRO Surrogate % recovery**	%	TM089	45
GRO >C5-C12	<0.044 mg/kg	TM089	0.238
Benzene	<0.01 mg/kg	TM089	<0.01 M
Ethylbenzene	<0.003 mg/kg	TM089	<0.003 M
Toluene	<0.002 mg/kg	TM089	<0.002 M
m,p-Xylene	<0.006 mg/kg	TM089	<0.006 M
o-Xylene	<0.003 mg/kg	TM089	<0.003 M
m,p,o-Xylene	<0.01 mg/kg	TM089	<0.01 M
BTEX, Total	<0.01 mg/kg	TM089	<0.01 M
Methyl tertiary butyl ether (MTBE)	<0.005 mg/kg	TM089	<0.005 #
Aliphatics >C5-C6	<0.01 mg/kg	TM089	0.0199
Aliphatics >C6-C8	<0.01 mg/kg	TM089	0.0745
Aliphatics >C8-C10	<0.01 mg/kg	TM089	0.0177
Aliphatics >C10-C12	<0.01 mg/kg	TM089	0.0362
Aromatics >C6-C7	<0.01 mg/kg	TM089	<0.01
Aromatics >C7-C8	<0.01 mg/kg	TM089	<0.01
Aromatics >EC8-EC10	<0.01 mg/kg	TM089	0.0266
Aromatics >EC10-EC12	<0.01 mg/kg	TM089	0.0543
Total Aliphatics >C5-C12	<0.01 mg/kg	TM089	0.148
Total Aromatics >C6-C12	<0.01 mg/kg	TM089	0.0809
Aliphatics >C12-C16	<0.1 mg/kg	TM173	4.99
Aliphatics >C16-C21	<0.1 mg/kg	TM173	2.69
Aliphatics >C16-C35	<0.1 mg/kg	TM173	12
Aliphatics >C21-C35	<0.1 mg/kg	TM173	9.31
Aliphatics >C35-C44	<0.1 mg/kg	TM173	<0.1
Aromatics >EC12-EC16	<0.1 mg/kg	TM173	2.83
Aromatics >EC16-EC21	<0.1 mg/kg	TM173	4.83
Aromatics >EC21-EC35	<0.1 mg/kg	TM173	14.1
Aromatics >EC35-EC44	<0.1 mg/kg	TM173	8.06
Aromatics >EC40-EC44	<0.1 mg/kg	TM173	3.27
Total Aliphatics >C12-C44	<0.1 mg/kg	TM173	17
Total Aromatics >EC12-EC44	<0.1 mg/kg	TM173	29.9
Total Aliphatics >C5-35	<0.1 mg/kg	TM173	17.1
Total Aliphatics >C5-C44	<0.1 mg/kg	TM173	17.1
Total Aromatics >C5-35	<0.1 mg/kg	TM173	21.9
Total Aromatics >C6-C44	<0.1 mg/kg	TM173	29.9
Total Aliphatics & Aromatics >C5-35	<0.1 mg/kg	TM173	39
Total Aliphatics & Aromatics >C5-C44	<0.1 mg/kg	TM173	47.1

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSD9
Depth (m)	3.80 - 4.00
Sample Type	Soil/Solid
Date Sampled	15/07/2010
Date Received	17/07/2010
SDG Ref	100719-9
Lab Sample No.(s)	1836218

Component	LOD/Units	Method		
Dibromofluoromethane**	%	TM116	97.7	
Toluene-d8**	%	TM116	93.6	
4-Bromofluorobenzene**	%	TM116	142	
Dichlorodifluoromethane	<0.004 mg/kg	TM116	<0.004	M
Chloromethane	<0.007 mg/kg	TM116	<0.007	#
Vinyl Chloride	<0.01 mg/kg	TM116	<0.01	#
Bromomethane	<0.013 mg/kg	TM116	<0.013	M
Chloroethane	<0.014 mg/kg	TM116	<0.014	M
Trichlorofluorormethane	<0.006 mg/kg	TM116	<0.006	M
1.1-Dichloroethene	<0.01 mg/kg	TM116	<0.01	#
Carbon Disulphide	<0.007 mg/kg	TM116	<0.007	M
Dichloromethane	<0.01 mg/kg	TM116	<0.01	#
Methyl Tertiary Butyl Ether	<0.011 mg/kg	TM116	<0.011	M
trans-1-2-Dichloroethene	<0.011 mg/kg	TM116	<0.011	M
1.1-Dichloroethane	<0.008 mg/kg	TM116	<0.008	M
cis-1-2-Dichloroethene	<0.005 mg/kg	TM116	<0.005	M
2.2-Dichloropropane	<0.012 mg/kg	TM116	<0.012	M
Bromochloromethane	<0.014 mg/kg	TM116	<0.014	M
Chloroform	<0.008 mg/kg	TM116	<0.008	M
1.1.1-Trichloroethane	<0.007 mg/kg	TM116	<0.007	M
1.1-Dichloropropene	<0.011 mg/kg	TM116	<0.011	M
Carbontetrachloride	<0.014 mg/kg	TM116	<0.014	M
1.2-Dichloroethane	<0.005 mg/kg	TM116	<0.005	M
Benzene	<0.009 mg/kg	TM116	<0.009	M
Trichloroethene	<0.009 mg/kg	TM116	0.0768	M
1.2-Dichloropropane	<0.012 mg/kg	TM116	<0.012	M
Dibromomethane	<0.009 mg/kg	TM116	<0.009	M
Bromodichloromethane	<0.007 mg/kg	TM116	<0.007	M
cis-1-3-Dichloropropene	<0.014 mg/kg	TM116	<0.014	M
Toluene	<0.005 mg/kg	TM116	<0.005	M
trans-1-3-Dichloropropene	<0.014 mg/kg	TM116	<0.014	
1.1.2-Trichloroethane	<0.01 mg/kg	TM116	<0.01	M
1.3-Dichloropropane	<0.007 mg/kg	TM116	<0.007	#
Tetrachloroethene	<0.005 mg/kg	TM116	<0.005	M
Dibromochloromethane	<0.013 mg/kg	TM116	<0.013	M
1.2-Dibromoethane	<0.012 mg/kg	TM116	<0.012	M
Chorobenzene	<0.005 mg/kg	TM116	<0.005	M
1.1.1.2-Tetrachloroethane	<0.01 mg/kg	TM116	<0.01	M
Ethylbenzene	<0.004 mg/kg	TM116	<0.004	M

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSD9
Depth (m)	3.80 - 4.00
Sample Type	Soil/Solid
Date Sampled	15/07/2010
Date Received	17/07/2010
SDG Ref	100719-9
Lab Sample No.(s)	1836218

Component	LOD/Units	Method	
p/m-Xylene	<0.014	mg/kg	TM116	<0.014 #
o-Xylene	<0.01	mg/kg	TM116	<0.01 M
Styrene	<0.01	mg/kg	TM116	<0.01 M
Bromoform	<0.01	mg/kg	TM116	<0.01 M
Isopropylbenzene	<0.005	mg/kg	TM116	<0.005 M
1.1.2.2-Tetrachloroethane	<0.01	mg/kg	TM116	<0.01 #
1.2.3-Trichloropropane	<0.017	mg/kg	TM116	<0.017 M
Bromobenzene	<0.01	mg/kg	TM116	<0.01 M
Propylbenzene	<0.011	mg/kg	TM116	<0.011 M
2-Chlorotoluene	<0.009	mg/kg	TM116	<0.009 M
1.3.5-Trimethylbenzene	<0.008	mg/kg	TM116	<0.008 #
4-Chlorotoluene	<0.012	mg/kg	TM116	<0.012 M
tert-Butylbenzene	<0.012	mg/kg	TM116	<0.012 #
1.2.4-Trimethylbenzene	<0.009	mg/kg	TM116	<0.009 #
sec-Butylbenzene	<0.01	mg/kg	TM116	<0.01 M
4-Isopropyltoluene	<0.011	mg/kg	TM116	<0.011 M
1.3-Dichlorobenzene	<0.006	mg/kg	TM116	<0.006 M
1.4-Dichlorobenzene	<0.005	mg/kg	TM116	<0.005 M
n-Butylbenzene	<0.01	mg/kg	TM116	<0.01 M
1.2-Dichlorobenzene	<0.012	mg/kg	TM116	<0.012 M
1.2-Dibromo-3-chloropropane	<0.014	mg/kg	TM116	<0.014 M
Tert-amyl methyl ether	<0.015	mg/kg	TM116	<0.015
1.2.4-Trichlorobenzene	<0.006	mg/kg	TM116	<0.006 #
Hexachlorobutadiene	<0.012	mg/kg	TM116	<0.012 M
Naphthalene	<0.013	mg/kg	TM116	<0.013 M
1.2.3-Trichlorobenzene	<0.006	mg/kg	TM116	<0.006 M

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

ASSOCIATED AQC DATA

Ammonium Soil by Titration

Component	Method Code	QC 10	QC 17
Exchangeable Ammonium as NH4	TM024	**89.60** 80.84 : 103.27	**90.50** 80.84 : 103.27

Boron Water Soluble

Component	Method Code	QC 19	QC 14	QC 13
Water Soluble Boron	TM222	**99.80** 82.59 : 112.64	**94.70** 82.59 : 112.64	**103.85** 82.59 : 112.64

EPH CWG (Aliphatic) GC (S)

Component	Method Code	QC 14	QC 18	QC 12
Total Aliphatics >C12-C35	TM173	**75.74** 55.20 : 114.58	**80.45** 58.96 : 117.71	**74.07** 55.20 : 114.58

EPH CWG (Aromatic) GC (S)

Component	Method Code	QC 14	QC 18	QC 12
Total Aromatics >EC12-EC35	TM173	**73.49** 54.00 : 123.00	**89.70** 58.79 : 118.66	**89.90** 54.00 : 123.00

Hexavalent Chromium (s)

Component	Method Code	QC 15	QC 16	QC 19
Hexavalent Chromium	TM151	**105.60** 76.40 : 131.80	**103.00** 76.40 : 131.80	**103.00** 76.40 : 131.80

Metals by iCap-OES (Soil)

Component	Method Code	QC 16	QC 10	QC 14	QC 17
Aluminium	TM181	**109.18** 95.21 : 133.11	**112.69** 95.21 : 133.11	**115.22** 95.21 : 133.11	**109.28** 95.21 : 133.11
Antimony	TM181	**92.46** 63.92 : 138.56	**108.62** 63.92 : 138.56	**106.67** 63.92 : 138.56	**105.13** 63.92 : 138.56
Arsenic	TM181	**97.67** 77.96 : 122.04	**97.76** 77.96 : 122.04	**102.67** 77.96 : 122.04	**99.57** 77.96 : 122.04
Barium	TM181	**104.94** 90.49 : 117.24	**102.20** 90.49 : 117.24	**109.15** 90.49 : 117.24	**104.06** 90.49 : 117.24
Beryllium	TM181	**93.94** 77.50 : 122.50	**108.26** 77.50 : 122.50	**107.16** 77.50 : 122.50	**105.23** 77.50 : 122.50
Boron	TM181	**106.54** 82.46 : 141.11	**114.68** 82.46 : 141.11	**112.26** 82.46 : 141.11	**108.95** 82.46 : 141.11

SDG:	100719-9	**Customer:**	Entec UK Ltd
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Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

		QC 16	QC 10	QC 14	QC 17
Cadmium	TM181	**92.21** 77.50 : 122.50	**105.71** 77.50 : 122.50	**106.33** 77.50 : 122.50	**102.65** 77.50 : 122.50
Chromium	TM181	**96.95** 82.90 : 117.10	**97.57** 82.90 : 117.10	**100.91** 82.90 : 117.10	**97.23** 82.90 : 117.10
Cobalt	TM181	**94.76** 78.26 : 121.74	**107.64** 78.26 : 121.74	**103.37** 78.26 : 121.74	**103.64** 78.26 : 121.74
Copper	TM181	**99.54** 86.52 : 113.48	**101.26** 86.52 : 113.48	**105.41** 86.52 : 113.48	**101.50** 86.52 : 113.48
Iron	TM181	**102.77** 93.59 : 123.28	**99.70** 93.59 : 123.28	**106.75** 93.59 : 123.28	**103.77** 93.59 : 123.28
Lead	TM181	**97.67** 81.22 : 118.78	**98.00** 81.22 : 118.78	**106.27** 81.22 : 118.78	**104.10** 81.22 : 118.78
Manganese	TM181	**96.45** 87.42 : 112.58	**97.83** 87.42 : 112.58	**101.27** 87.42 : 112.58	**104.28** 87.42 : 112.58
Mercury	TM181	**99.30** 72.27 : 127.73	**108.17** 72.27 : 127.73	**109.23** 72.27 : 127.73	**106.85** 72.27 : 127.73
Molybdenum	TM181	**91.51** 71.12 : 128.88	**105.63** 71.12 : 128.88	**103.41** 71.12 : 128.88	**100.49** 71.12 : 128.88
Nickel	TM181	**97.18** 81.27 : 118.73	**95.73** 81.27 : 118.73	**99.85** 81.27 : 118.73	**99.47** 81.27 : 118.73
Phosphorus	TM181	**107.04** 84.04 : 115.96	**98.65** 84.04 : 115.96	**106.68** 84.04 : 115.96	**106.59** 84.04 : 115.96
Selenium	TM181	**97.89** 72.61 : 127.39	**111.79** 72.61 : 127.39	**105.54** 72.61 : 127.39	**107.06** 72.61 : 127.39
Strontium	TM181	**97.01** 80.21 : 119.79	**96.91** 80.21 : 119.79	**101.98** 80.21 : 119.79	**101.88** 80.21 : 119.79
Thallium	TM181	**90.24** 73.04 : 126.96	**26.62** 73.04 : 126.96	**100.36** 73.04 : 126.96	**97.62** 73.04 : 126.96
Tin	TM181	**90.60** 71.55 : 128.45	**110.27** 71.55 : 128.45	**104.13** 71.55 : 128.45	**100.10** 71.55 : 128.45
Titanium	TM181	**100.93** 78.26 : 121.74	**103.82** 78.26 : 121.74	**102.91** 78.26 : 121.74	**104.99** 78.26 : 121.74
Vanadium	TM181	**99.45** 82.03 : 117.97	**99.18** 82.03 : 117.97	**106.05** 82.03 : 117.97	**100.94** 82.03 : 117.97
Zinc	TM181	**91.41** 77.50 : 122.50	**93.65** 77.50 : 122.50	**96.38** 77.50 : 122.50	**93.53** 77.50 : 122.50

PAH by GCMS

Component	Method Code	QC 18	QC 13
Acenaphthene	TM218	**101.77** 68.10 : 128.67	**99.12** 71.41 : 116.50
Acenaphthylene	TM218	**93.72** 68.11 : 109.28	**88.58** 74.28 : 102.70
Anthracene	TM218	**95.97** 61.75 : 122.01	**93.36** 67.40 : 117.21
Benz(a)anthracene	TM218	**100.80** 79.35 : 115.30	**104.79** 66.80 : 125.05
Benzo(a)pyrene	TM218	**103.07** 79.80 : 116.48	**107.96** 69.15 : 119.77
Benzo(b)fluoranthene	TM218	**103.98** 79.51 : 116.19	**106.72** 70.01 : 124.88
Benzo(ghi)perylene	TM218	**100.82** 80.08 : 114.22	**101.42** 81.23 : 116.67
Benzo(k)fluoranthene	TM218	**101.42** 65.05 : 129.07	**99.63** 71.46 : 117.67

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

		QC 18	QC 13
Chrysene	TM218	**100.97** 80.14 : 113.92	**99.82** 71.32 : 130.95
Dibenzo(ah)anthracene	TM218	**100.16** 59.79 : 136.56	**103.52** 81.17 : 118.65
Fluoranthene	TM218	**98.87** 74.35 : 115.70	**98.01** 69.52 : 118.84
Fluorene	TM218	**99.43** 75.68 : 111.55	**98.40** 71.38 : 111.04
Indeno(123cd)pyrene	TM218	**102.48** 74.42 : 114.62	**103.93** 80.81 : 118.96
Naphthalene	TM218	**99.74** 73.21 : 108.15	**96.79** 81.16 : 104.84
Phenanthrene	TM218	**100.24** 66.61 : 129.12	**99.05** 69.56 : 121.45
Pyrene	TM218	**97.66** 74.35 : 111.75	**97.27** 70.34 : 117.79

PCBs (vs Aroclor 1254)

Component	Method Code	QC 16
PCBs (vs Aroclor 1254)	TM070	**102.84** 75.18 : 122.16

pH

Component	Method Code	QC 17	QC 18	QC 15	QC 13
pH	TM133	**100.75** 97.90 : 102.35	**98.75** 97.42 : 102.50	**100.13** 97.90 : 102.35	**99.87** 97.90 : 102.35

Semi Volatile Organic Compounds

Component	Method Code	QC 17	QC 11
4-Bromophenylphenyleth er (Soil)	TM157	**98.08** 28.30 : 143.78	**94.28** 12.25 : 162.08
Benzo(a)anthracene (Soil)	TM157	**103.15** 18.50 : 151.06	**98.45** 38.70 : 146.05
Hexachlorobutadiene (Soil)	TM157	**97.13** 31.16 : 138.34	**95.46** 17.33 : 157.33
Naphthalene (Soil)	TM157	**99.82** 26.59 : 145.57	**96.09** 17.33 : 157.33
Nitrobenzene (Soil)	TM157	**98.07** 25.35 : 142.64	**93.63** 19.50 : 154.53
Phenol (Soil)	TM157	**94.88** 28.59 : 134.35	**95.35** 23.40 : 144.15

Total Organic Carbon

Component	Method Code	QC 15	QC 12
Total Organic Carbon	TM132	**94.81** 88.75 : 104.70	**100.53** 88.75 : 104.70

Validated

ALcontrol Laboratories Analytical Services

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

TPH c6-40 Value of soil

Component	Method Code	QC 14
Diesel QC	TM154	**98.42** 87.23 : 113.71
Lube Oil QC	TM154	**103.20** 88.71 : 110.56
TPH C6-40 Corrected	TM154	**100.81** 86.39 : 109.99

VOC MS (S)

Component	Method Code	QC 14
1,1,1,2-tetrachloroethane	TM116	**102.02** 68.18 : 144.88
1,1,1-Trichloroethane	TM116	**107.54** 67.21 : 142.82
1,1,2-Trichloroethane	TM116	**116.93** 75.40 : 160.23
1,1-Dichloroethene	TM116	**101.50**
1,2-Dichloroethane	TM116	**124.72** 72.96 : 155.03
1,4-Dichlorobenzene	TM116	**104.13** 72.36 : 153.77
2-Chlorotoluene	TM116	**126.50** 83.36 : 177.15
4-Chlorotoluene	TM116	**121.55** 84.28 : 179.10
Benzene	TM116	**107.50** 69.92 : 148.58
Carbon Disulphide	TM116	**91.40** 63.87 : 135.73
Carbontetrachloride	TM116	**113.76** 73.39 : 155.95
Chlorobenzene	TM116	**99.76** 69.59 : 147.89
Chloroform	TM116	**112.78** 70.48 : 149.78
Chloromethane	TM116	**128.96** 75.88 : 161.25
Cis-1,2-Dichloroethene	TM116	**105.81** 65.49 : 139.18
Dibromomethane	TM116	**103.74** 65.97 : 140.19
Dichloromethane	TM116	**119.23** 71.23 : 151.36
Ethylbenzene	TM116	**98.44** 68.41 : 145.37
Hexachlorobutadiene	TM116	**92.91** 85.39 : 181.46
Isopropylbenzene	TM116	**88.46** 58.18 : 123.62
Naphthalene	TM116	**99.43** 75.23 : 159.86

SDG:	100719-9	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91728

		QC 14
o-Xylene	TM116	**103.22** 65.38 : 138.92
p/m-Xylene	TM116	**98.01** 68.19 : 144.91
Sec-Butylbenzene	TM116	**92.66** 66.07 : 140.41
Tetrachloroethene	TM116	**100.39** 72.85 : 154.80
Toluene	TM116	**102.94** 67.17 : 142.75
Trichloroethene	TM116	**103.13** 68.75 : 146.10
Trichlorofluoromethane	TM116	**96.07** 62.67 : 133.18
Vinyl Chloride	TM116	**106.86** 67.16 : 142.72

Water Soluble Sulphate 2:1

Component	**Method Code**	QC 13	QC 12	QC 11	QC 10
Soluble SO4	TM098	**86.50** 76.87 : 120.45	**82.52** 76.87 : 120.45	**82.01** 76.87 : 120.45	**84.80** 76.87 : 120.45

The above information details the reference name of the analytical quality control sample (AQC) that has been run with the samples contained in this report for the different methods of analysis.
The figure detailed is the percentage recovery result for the AQC.
The subscript numbers below are the percentage recovery lower control limit (LCL) and the upper control limit (UCL). The percentage recovery result for the AQC should be between these limits to be statistically in control.

Table of Results - Appendix

SDG Number : 100719-9 **Client :** Entec UK Ltd **Client Ref :** 26999

REPORT KEY

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03x10-7

NDP	No Determination Possible	#	ISO 17025 Accredited	*	Subcontracted Test	M	MCERTS Accredited
NFD	No Fibres Detected	PFD	Possible Fibres Detected	»	Result previously reported (Incremental reports only)	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control

Method No	Reference	Description	Wet/Dry Sample [1]
PM001		Preparation of Samples for Metals Analysis	Dry
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material	Wet
TM001	In - house Method	Determination of asbestos containing material by screening on solids	
TM024	Method 4500A & B, AWWA/APHA, 20th Ed., 1999	Determination of Exchangeable Ammonium and Ammoniacal Nitrogen as N by titration on solids	Wet
TM070	Modified: US EPA Method 8250 & 625	Determination of Total Polychlorinated Biphenyls (PCBÆs) as Aroclor 1254 by GC-MS in Soils	Dry
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	
TM098	Method 4500E, AWWA/APHA, 20th Ed., 1999	Determination of Sulphate using the Kone Analyser	Dry
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS	
TM132	In - house Method	ELTRA CS800 Operators Guide	Dry
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter	Wet
TM151	Method 3500D, AWWA/APHA, 20th Ed., 1999	Determination of Hexavalent Chromium using Kone analyser	Wet
TM154	In - house Method	Determination of Petroleum Hydrocarbons by EZ Flash GC-FID in the Carbon range C6- C40	Wet
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone	Wet
TM173	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID	Dry
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES	Dry
TM184	EPA Methods 325.1 & 325.2,	The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	Dry
TM218	Microwave extraction – EPA method 3546	Microwave extraction - EPA method 3546	Wet
TM222	In-House Method	Determination of Hot Water Soluble Boron in Soils (10:1 Water:soil) by IRIS Emission Spectrometer	Dry

[1] Applies to Solid samples only. DRY indicates samples have been dried at 35°C. NA = not applicable.

APPENDIX

APPENDIX

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA Leach tests, flash point, ammonium as NH_4 by the BRE method, VOC TICS, SVOC TICS, TOF-MS SCAN/SEARCH and TOF-MS TICS.
2. Samples will be run in duplicate upon request, but an additional charge may be incurred.
3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for both soil jars, tubs and volatile jars. All waters and vials will be discarded 10 days after the analysis is completed (e-mailed). All material removed during an asbestos containing material screen and analysed for the presence of asbestos will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.
4. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.
5. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.
6. When requested, the individual sub sample scheduled will be screened in house for the presence of large asbestos containing material fragments/pieces. If no asbestos containing material is found this will be reported as 'no asbestos containing material detected'. If asbestos containing material is detected it will be removed and analysed by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If asbestos containing material is present no further analysis will be undertaken. At no point is the fibre content of the soil sample determined.
7. If no separate volatile sample is supplied by the client, the integrity of the data may be compromised if the laboratory is required to create a sub-sample from the bulk sample – similarly, if a headspace or sediment is present in the volatile sample. This will be flagged up as an invalid VOC on the test schedule or recorded on the log sheet.
8. If appropriate preserved bottles are not received preservation will take place on receipt. However, the integrity of the data may be compromised.
9. NDP – No determination possible due to insufficient/unsuitable sample.
10. Metals in water are performed on a filtered sample, and therefore represent dissolved metals – total metals must be requested separately.
11. A table containing the date of analysis for each parameter is not routinely included with the report, but is available upon request.
12. Results relate only to the items tested
13. **Surrogate recoveries** – Most of our organic methods include surrogates, the recovery of which is monitored and reported. For EPH, MO, PAH, GRO and VOCs on soils the result is not surrogate corrected, but a percentage recovery is quoted. Acceptable limits for most organic methods are 70 – 130 %.
14. **Product analyses** – Organic analyses on products can only be semi-quantitative due to the matrix effects and high dilution factors employed.
15. Phenols monohydric by HPLC include phenol, cresols (2-Methylphenol, 3-Methylphenol and 4-Methylphenol) and Xylenols (2,3 Dimethylphenol, 2,4 Dimethylphenol, 2,5 Dimethylphenol, 2,6 Dimethylphenol, 3,4 Dimethyphenol, 3,5 Dimethylphenol).
16. Total of 5 speciated phenols by HPLC includes Phenol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 14).
17. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.
18. Our MCERTS accreditation for PAHs by GCMS applies to all product types apart from Kerosene, where naphthalene only is not accredited.
19. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.
19. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.
20. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.
21. For all leachate preparations (NRA, DIN, TCLP, BSEN 12457-1, 2, 3) volatile loss may occur, as we do not employ zero headspace extraction.
22. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials – whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.
23. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C4 – C10 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

LIQUID MATRICES EXTRACTION SUMMARY

ANALYSIS	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
PAH MS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
EPH	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
EPH CWG	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
MINERAL OIL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
PCB 7 CONGENERS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
PCB TOTAL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GS MS
SVOC	DCM	LIQUID/LIQUID SHAKE	GC MS
FREE SULPHUR	DCM	SOLID PHASE EXTRACTION	HPLC
PEST OCP/OPP	DCM	LIQUID/LIQUID SHAKE	GC MS
TRIAZINE HERBS	DCM	LIQUID/LIQUID SHAKE	GC MS
PHENOLS MS	DCM	SOLID PHASE EXTRACTION	GC MS
TPH by INFRA RED (IR)	TCE	LIQUID/LIQUID EXTRACTION	HPLC
MINERAL OIL by IR	TCE	LIQUID/LIQUID EXTRACTION	HPLC
GLYCOLS	NONE	DIRECT INJECTION	GC FID

SOLID MATRICES EXTRACTION SUMMARY

ANALYSIS	D/C OR WET	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
Solvent Extractable Matter	D&C	DCM	SOXTHERM	GRAVIMETRIC
Cyclohexane Ext. Matter	D&C	CYCLOHEXANE	SOXTHERM	GRAVIMETRIC
Thin Layer Chromatography	D&C	DCM	SOXTHERM	IATROSCAN
Elemental Sulphur	D&C	DCM	SOXTHERM	HPLC
Phenols by GCMS	WET	DCM	SOXTHERM	GC-MS
Herbicides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
Pesticides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
EPH (DRO)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Min oil)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Cleaned up)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH CWG by GC	D&C	HEXANE:ACETONE	END OVER END	GC-FID
PCB tot / PCB con	D&C	HEXANE:ACETONE	END OVER END	GC-MS
Polyaromatic Hydrocarbons (MS)	WET	HEXANE:ACETONE	Microwave TM218.	GC-MS
C8-C40 (C6-C40)EZ Flash	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Polyaromatic Hydrocarbons Rapid GC	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Semi Volatile Organic Compounds	WET	DCM:ACETONE	SONICATE	GC-MS

Identification of Asbestos in Bulk Materials

The results for asbestos identification for soil samples are obtained from possible Asbestos Containing Material, removed during the 'Screening of soils for Asbestos Containing Materials', which have been examined to determine the presence of asbestos fibres using Alcontrol Laboratories (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Visual Estimation Of Fibre Content.

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: -

Trace – Where only one or two asbestos fibres were identified.

Further guidance on typical asbestos fibre content of manufactured products can be found in MDHS 100.

The identification of asbestos containing materials falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

ALcontrol Laboratories

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Abbey Foregate
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Shropshire
SY2 5DE

Attention: Steve Dooley

CERTIFICATE OF ANALYSIS

Date:	26 July 2010		
Customer:	H_ENTEC_SHW-24		
Sample Delivery Group (SDG):	100721-18	**Report No.:**	91567
Your Reference:	26999		
Location:	KL056 DSDC Bicester		

We received 9 samples on Wednesday July 21, 2010 and 8 of these samples were scheduled for analysis which was completed on Monday July 26, 2010. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

All chemical testing (unless subcontracted) is performed at ALcontrol Hawarden Laboratories.

Asbestos testing - we are not accredited for screening soil samples for asbestos fibres. We are only accredited to identify asbestos fibres in bulk material (ACM).

Approved By:

Iain Swinton

Operations Director - Land UK & Ireland

Alcontrol Laboratories is a trading division of ALcontrol UK Limited
Registered Office: Units 7 & 8 Hawarden Business Park, Manor Road, Hawarden, Deeside, CH5 3US. Registered in England and Wales No. 4057291.

Validated

ALcontrol Laboratories Analytical Services

SDG:	100721-18	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91567

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Sampled Date
1847612	HDPER3	0.20 - 0.30	16/07/2010
1847955	WSC04	0.40 - 0.60	19/07/2010
1847961	WSC04	2.00 - 2.20	19/07/2010
1847967	WSC05	0.40 - 0.60	19/07/2010
1847974	WSC06	0.60 - 0.80	19/07/2010
1847629	WSC07	0.45 - 0.60	19/07/2010
1847911	WSC07	2.90 - 3.20	19/07/2010
1847926	WSC08	0.40 - 0.70	19/07/2010
1847951	WSC08	2.50 - 2.80	19/07/2010

Only received samples which have had analysis scheduled will be shown on the following pages.

Validated

ALcontrol Laboratories Analytical Services

SDG:	100721-18	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91567

SOLID

Results Legend

X Test

N No Determination Possible

		Lab Sample No(s)	1847612	1847629	1847926	1847951	1847955	1847961	1847967		1847974		Total
		Customer Sample Ref.	HDPER3	WSC07	WSC08	WSC08	WSC04	WSC04	WSC05		WSC06		
		Depth (m)	0.20 - 0.30	0.45 - 0.60	0.40 - 0.70	2.50 - 2.80	0.40 - 0.60	2.00 - 2.20	0.40 - 0.60		0.60 - 0.80		
		Container	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	
Ammonium Soil by Titration	All			X		X		X		X			X		X	08
Asbestos Containing Material Screen	All			X												01
Boron Water Soluble	All		X		X		X		X		X		X		X	08
EPH CWG (Aliphatic) GC (S)	All									X						01
EPH CWG (Aromatic) GC (S)	All									X						01
GRO BTEX MTBE GC (S)	All											X				01
Hexavalent Chromium (s)	All			X		X		X		X		X			X	08
Metals by iCap-OES (Soil)	Arsenic		X		X		X		X		X		X			08
	Cadmium		X		X		X		X		X		X			08
	Chromium		X		X		X		X		X		X			08
	Copper		X		X		X		X		X		X			08
	Lead		X		X		X		X		X		X			08
	Mercury		X		X		X		X		X		X			08
	Nickel		X		X		X		X		X		X			08
	Selenium		X		X		X		X		X		X			08
	Zinc		X		X		X		X		X		X			08
PAH by GCMS	All									X						01
PCBs (vs Aroclor 1254)	All									X						01
pH	All			X		X		X		X		X			X	08
Sample description	All		X		X		X		X		X		X			08
Semi Volatile Organic Compounds	All									X						01
Total Organic Carbon	All						X		X		X					03
TPH c6-40 Value of soil	All		X		X			X		X			X			06

Validated

ALcontrol Laboratories Analytical Services

SDG:	100721-18	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91567

		1847612		1847629		1847926		1847951		1847955		1847961		1847967			1847974		Total
		HDPER3		WSC07		WSC08		WSC08		WSC04		WSC04		WSC05			WSC06		
		0.20 - 0.30		0.45 - 0.60		0.40 - 0.70		2.50 - 2.80		0.40 - 0.60		2.00 - 2.20		0.40 - 0.60			0.60 - 0.80		
		250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	60g VOC	250g Amber Jar	400g Tub	
TPH CWG GC (S)	All													X					0 1
VOC MS (S)	All															X			0 1
Water Soluble Sulphate 2:1	All	X		X		X		X		X		X		X			X		0 8

Validated

ALcontrol Laboratories Analytical Services

SDG:	100721-18	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91567

Sample Descriptions

Grain Sizes:
<0.063mm very fine,
0.063mm - 0.1mm fine,
0.1mm - 2mm medium,
2mm - 10mm coarse,
>10mm very coarse

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Grain size	Inclusions
1847612	HDPER3	0.20 - 0.30	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones
1847629	WSC07	0.45 - 0.60	Dark Brown	Sandy Clay	0.063 - 0.1 mm	Stones
1847926	WSC08	0.40 - 0.70	Dark Brown	Silty Clay Loam	<0.063 mm	Stones
1847951	WSC08	2.50 - 2.80	Dark Brown	Silty Clay Loam	<0.063 mm	N/A
1847955	WSC04	0.40 - 0.60	Dark Brown	Sandy Loam	0.063 - 0.1 mm	Stones
1847961	WSC04	2.00 - 2.20	Light Brown	Sandy Clay	0.063 - 0.1 mm	Stones
1847967	WSC05	0.40 - 0.60	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones
1847974	WSC06	0.60 - 0.80	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones

These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally ocurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Validated

ALcontrol Laboratories Analytical Services

SDG:	100721-18	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91567

Test Completion dates

SDG reference: 100721-18

Lab Sample No(s)	1847612	1847629	1847926	1847951	1847955	1847961	1847967	1847974
Customer Sample Ref.	HDPER3	WSC07	WSC08	WSC08	WSC04	WSC04	WSC05	WSC06
Depth	0.20 - 0.30	0.45 - 0.60	0.40 - 0.70	2.50 - 2.80	0.40 - 0.60	2.00 - 2.20	0.40 - 0.60	0.60 - 0.80
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Ammonium Soil by Titration	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010
Asbestos Containing Material	21/07/2010							
Boron Water Soluble	23/07/2010	23/07/2010	23/07/2010	23/07/2010	23/07/2010	23/07/2010	23/07/2010	23/07/2010
EPH CWG (Aliphatic) GC (S)							23/07/2010	
EPH CWG (Aromatic) GC (S)							23/07/2010	
GRO by GC-FID (S)							26/07/2010	
Hexavalent Chromium (s)	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010
Metals by iCap-OES (Soil)	23/07/2010	23/07/2010	23/07/2010	23/07/2010	23/07/2010	26/07/2010	23/07/2010	23/07/2010
PAH by GCMS							22/07/2010	
PCBs (vs Aroclor 1254)							22/07/2010	
pH	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010
Sample description	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010
Semi Volatile Organic Compounds							23/07/2010	
Total Organic Carbon				22/07/2010	22/07/2010		22/07/2010	
TPH c6-40 Value of soil	23/07/2010	23/07/2010		23/07/2010	23/07/2010	23/07/2010		23/07/2010
TPH CWG GC (S)							26/07/2010	
VOC MS (S)							23/07/2010	
Water Soluble Sulphate 2:1	23/07/2010	23/07/2010	23/07/2010	23/07/2010	23/07/2010	23/07/2010	23/07/2010	23/07/2010

Validated

ALcontrol Laboratories Analytical Services

SDG:	100721-18	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91567

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	HDPER3	WSC04	WSC04	WSC05	WSC06	WSC07
			Depth (m)	0.20 - 0.30	0.40 - 0.60	2.00 - 2.20	0.40 - 0.60	0.60 - 0.80	0.45 - 0.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	16/07/2010	19/07/2010	19/07/2010	19/07/2010	19/07/2010	19/07/2010
			Date Received	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010
			SDG Ref	100721-18	100721-18	100721-18	100721-18	100721-18	100721-18
			Lab Sample No.(s)	1847612	1847955	1847961	1847967	1847974	1847629
Asbestos Containing Material Screen	-	TM001		No ACM Detected					
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024		<15 M	<15 M	<15 M	<15 M	<15 M	50.1 M
Sulphate, 2:1 water soluble	<0.003 g/l	TM098		0.0255 M	0.119 M	0.498 M	0.545 M	0.225 M	0.127 M
Soil Organic Matter (SOM)	<0.35 %	TM132			3.5 #		8.38 #		
pH	1 pH Units	TM133		8.05 M	8.52 M	8.1 M	8.07 M	9.75 M	8.05 M
Chromium, Hexavalent	<0.6 mg/kg	TM151		<3 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #
TPH >C6-C8	<10 mg/kg	TM154		<10	<10	<10		<10	<10
TPH >C8-C10	<10 mg/kg	TM154		<10	<10	<10		<10	<10
TPH >C10-C12	<10 mg/kg	TM154		<10	<10	<10		<10	<10
TPH >C12-C16	<10 mg/kg	TM154		<10	21	<10		12.6	27.6
TPH >C16-C21	<10 mg/kg	TM154		25.3	110	<10		119	102
TPH >C21-C40	<10 mg/kg	TM154		273	1110	75.8		1950	620
TPH >C6-C40	<10 mg/kg	TM154		301 #	1250 #	79.7 #		2080 #	749 #
Arsenic	<0.6 mg/kg	TM181		18.5 M	11.2 M	59.2 M	8.53 M	12.9 M	8.75 M
Cadmium	<0.02 mg/kg	TM181		0.522 M	0.667 M	1.19 M	0.034 M	0.271 M	0.25 M
Chromium	<0.9 mg/kg	TM181		33.7 M	37.1 M	28 M	35.9 M	19 M	23.4 M
Copper	<1.4 mg/kg	TM181		44.2 M	38.8 M	56.3 M	23.1 M	23.9 M	14.3 M
Lead	<0.7 mg/kg	TM181		59.6 M	60.7 M	42.5 M	20.7 M	29.4 M	16.1 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<1.4 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		30.5 M	11.5 M	83.6 M	15.2 M	16 M	17.3 M
Selenium	<1 mg/kg	TM181		2.6 #	2.51 #	<10 #	3.8 #	1.55 #	<1 #
Zinc	<1.9 mg/kg	TM181		154 M	131 M	324 M	81.2 M	64 M	57.6 M
Boron, water soluble	<1 mg/kg	TM222		1.01 M	<1 M	<1 M	1.82 M	<1 M	<1 M

Validated

ALcontrol Laboratories Analytical Services

SDG:	100721-18	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91567

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSC05
Depth (m)	0.40 - 0.60
Sample Type	Soil/Solid
Date Sampled	19/07/2010
Date Received	21/07/2010
SDG Ref	100721-18
Lab Sample No.(s)	1847967

Component	LOD/Units	Method		
Naphthalene-d8 % recovery**	%	TM218	87.1	
Acenaphthene-d10 % recovery**	%	TM218	88.4	
Phenanthrene-d10 % recovery**	%	TM218	87.6	
Chrysene-d12 % recovery**	%	TM218	82.6	
Perylene-d12 % recovery**	%	TM218	87.7	
Naphthalene	<0.009 mg/kg	TM218	0.0891	M
Acenaphthylene	<0.012 mg/kg	TM218	0.026	M
Acenaphthene	<0.008 mg/kg	TM218	0.0118	M
Fluorene	<0.01 mg/kg	TM218	<0.01	M
Phenanthrene	<0.015 mg/kg	TM218	0.295	M
Anthracene	<0.016 mg/kg	TM218	0.0784	M
Fluoranthene	<0.017 mg/kg	TM218	0.881	M
Pyrene	<0.015 mg/kg	TM218	0.758	M
Benz(a)anthracene	<0.014 mg/kg	TM218	0.603	M
Chrysene	<0.01 mg/kg	TM218	0.526	M
Benzo(b)fluoranthene	<0.015 mg/kg	TM218	0.844	M
Benzo(k)fluoranthene	<0.014 mg/kg	TM218	0.295	M
Benzo(a)pyrene	<0.015 mg/kg	TM218	0.684	M
Indeno(1,2,3-cd)pyrene	<0.018 mg/kg	TM218	0.399	M
Dibenzo(a,h)anthracene	<0.023 mg/kg	TM218	0.121	M
Benzo(g,h,i)perylene	<0.024 mg/kg	TM218	0.486	M
Polyaromatic hydrocarbons, Total USEPA 16	<0.118 mg/kg	TM218	6.1	M

Validated

ALcontrol Laboratories Analytical Services

SDG:	100721-18	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91567

PCBs (vs Aroclor 1254)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSC05
Depth (m)	0.40 - 0.60
Sample Type	Soil/Solid
Date Sampled	19/07/2010
Date Received	21/07/2010
SDG Ref	100721-18
Lab Sample No.(s)	1847967

Component	LOD/Units	Method	
PCBs (vs Aroclor 1254)	<0.035 mg/kg	TM070	<0.035 #

SDG:	100721-18	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91567

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSC05
			Depth (m)	0.40 - 0.60
			Sample Type	Soil/Solid
			Date Sampled	19/07/2010
			Date Received	21/07/2010
			SDG Ref	100721-18
			Lab Sample No.(s)	1847967
Phenol	<0.1 mg/kg	TM157		<0.1
Pentachlorophenol	<0.1 mg/kg	TM157		<0.1
n-Nitroso-n-dipropylamine	<0.1 mg/kg	TM157		<0.1
Nitrobenzene	<0.1 mg/kg	TM157		<0.1
Isophorone	<0.1 mg/kg	TM157		<0.1
Hexachloroethane	<0.1 mg/kg	TM157		<0.1
Hexachlorocyclopentadiene	<0.1 mg/kg	TM157		<0.1
Hexachlorobutadiene	<0.1 mg/kg	TM157		<0.1
Hexachlorobenzene	<0.1 mg/kg	TM157		<0.1
n-Dioctyl phthalate	<0.1 mg/kg	TM157		<0.1
Dimethyl phthalate	<0.1 mg/kg	TM157		<0.1
Diethyl phthalate	<0.1 mg/kg	TM157		<0.1
n-Dibutyl phthalate	<0.1 mg/kg	TM157		<0.1
Dibenzofuran	<0.1 mg/kg	TM157		<0.1
Carbazole	<0.1 mg/kg	TM157		<0.1
Butylbenzyl phthalate	<0.1 mg/kg	TM157		<0.1
bis(2-Ethylhexyl) phthalate	<0.1 mg/kg	TM157		<0.1
bis(2-Chloroethoxy)methane	<0.1 mg/kg	TM157		<0.1
bis(2-Chloroethyl)ether	<0.1 mg/kg	TM157		<0.1
Azobenzene	<0.1 mg/kg	TM157		<0.1
4-Nitrophenol	<0.1 mg/kg	TM157		<0.1
4-Nitroaniline	<0.1 mg/kg	TM157		<0.1
4-Methylphenol	<0.1 mg/kg	TM157		<0.1
4-Chlorophenylphenylether	<0.1 mg/kg	TM157		<0.1
4-Chloroaniline	<0.1 mg/kg	TM157		<0.1
4-Chloro-3-methylphenol	<0.1 mg/kg	TM157		<0.1
4-Bromophenylphenylether	<0.1 mg/kg	TM157		<0.1
3-Nitroaniline	<0.1 mg/kg	TM157		<0.1
2-Nitrophenol	<0.1 mg/kg	TM157		<0.1
2-Nitroaniline	<0.1 mg/kg	TM157		<0.1
2-Methylphenol	<0.1 mg/kg	TM157		<0.1
1,2,4-Trichlorobenzene	<0.1 mg/kg	TM157		<0.1
2-Chlorophenol	<0.1 mg/kg	TM157		<0.1
2,6-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1
2,4-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1
2,4-Dimethylphenol	<0.1 mg/kg	TM157		<0.1
2,4-Dichlorophenol	<0.1 mg/kg	TM157		<0.1
2,4,6-Trichlorophenol	<0.1 mg/kg	TM157		<0.1
2,4,5-Trichlorophenol	<0.1 mg/kg	TM157		<0.1

SDG:	100721-18	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91567

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSC05
Depth (m)	0.40 - 0.60
Sample Type	Soil/Solid
Date Sampled	19/07/2010
Date Received	21/07/2010
SDG Ref	100721-18
Lab Sample No.(s)	1847967

Component	LOD/Units	Method	
1,4-Dichlorobenzene	<0.1 mg/kg	TM157	<0.1
1,3-Dichlorobenzene	<0.1 mg/kg	TM157	<0.1
1,2-Dichlorobenzene	<0.1 mg/kg	TM157	<0.1
2-Chloronaphthalene	<0.1 mg/kg	TM157	<0.1
2-Methylnaphthalene	<0.1 mg/kg	TM157	<0.1
Acenaphthylene	<0.1 mg/kg	TM157	<0.1
Acenaphthene	<0.1 mg/kg	TM157	<0.1
Anthracene	<0.1 mg/kg	TM157	<0.1
Benzo(a)anthracene	<0.1 mg/kg	TM157	0.322
Benzo(b)fluoranthene	<0.1 mg/kg	TM157	0.336
Benzo(k)fluoranthene	<0.1 mg/kg	TM157	0.275
Benzo(a)pyrene	<0.1 mg/kg	TM157	0.411
Benzo(g,h,i)perylene	<0.1 mg/kg	TM157	0.226
Chrysene	<0.1 mg/kg	TM157	0.341
Fluoranthene	<0.1 mg/kg	TM157	0.516
Fluorene	<0.1 mg/kg	TM157	<0.1
Indeno(1,2,3-cd)pyrene	<0.1 mg/kg	TM157	0.208
Phenanthrene	<0.1 mg/kg	TM157	0.165
Pyrene	<0.1 mg/kg	TM157	0.473
Naphthalene	<0.1 mg/kg	TM157	<0.1
Dibenzo(a,h)anthracene	<0.1 mg/kg	TM157	<0.1

Validated

ALcontrol Laboratories Analytical Services

SDG:	100721-18	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91567

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSC05
			Depth (m)	0.40 - 0.60
			Sample Type	Soil/Solid
			Date Sampled	19/07/2010
			Date Received	21/07/2010
			SDG Ref	100721-18
			Lab Sample No.(s)	1847967
GRO Surrogate % recovery**	%	TM089		41
GRO >C5-C12	<0.044 mg/kg	TM089		<0.044
Benzene	<0.01 mg/kg	TM089		<0.01 M
Ethylbenzene	<0.003 mg/kg	TM089		<0.003 M
Toluene	<0.002 mg/kg	TM089		<0.002 M
m,p-Xylene	<0.006 mg/kg	TM089		<0.006 M
o-Xylene	<0.003 mg/kg	TM089		<0.003 M
m,p,o-Xylene	<0.01 mg/kg	TM089		<0.01 M
BTEX, Total	<0.01 mg/kg	TM089		<0.01 M
Methyl tertiary butyl ether (MTBE)	<0.005 mg/kg	TM089		<0.005 #
Aliphatics >C5-C6	<0.01 mg/kg	TM089		<0.01
Aliphatics >C6-C8	<0.01 mg/kg	TM089		<0.01
Aliphatics >C8-C10	<0.01 mg/kg	TM089		<0.01
Aliphatics >C10-C12	<0.01 mg/kg	TM089		<0.01
Aromatics >C6-C7	<0.01 mg/kg	TM089		<0.01
Aromatics >C7-C8	<0.01 mg/kg	TM089		<0.01
Aromatics >EC8-EC10	<0.01 mg/kg	TM089		<0.01
Aromatics >EC10-EC12	<0.01 mg/kg	TM089		<0.01
Total Aliphatics >C5-C12	<0.01 mg/kg	TM089		<0.01
Total Aromatics >C6-C12	<0.01 mg/kg	TM089		<0.01
Aliphatics >C12-C16	<0.1 mg/kg	TM173		5.67
Aliphatics >C16-C21	<0.1 mg/kg	TM173		8.36
Aliphatics >C16-C35	<0.1 mg/kg	TM173		74.5
Aliphatics >C21-C35	<0.1 mg/kg	TM173		66.1
Aliphatics >C35-C44	<0.1 mg/kg	TM173		23.1
Aromatics >EC12-EC16	<0.1 mg/kg	TM173		4.86
Aromatics >EC16-EC21	<0.1 mg/kg	TM173		9.86
Aromatics >EC21-EC35	<0.1 mg/kg	TM173		48.6
Aromatics >EC35-EC44	<0.1 mg/kg	TM173		29
Aromatics >EC40-EC44	<0.1 mg/kg	TM173		13
Total Aliphatics >C12-C44	<0.1 mg/kg	TM173		103
Total Aromatics >EC12-EC44	<0.1 mg/kg	TM173		92.3
Total Aliphatics >C5-35	<0.1 mg/kg	TM173		80.1
Total Aliphatics >C5-C44	<0.1 mg/kg	TM173		103
Total Aromatics >C5-35	<0.1 mg/kg	TM173		63.3
Total Aromatics >C6-C44	<0.1 mg/kg	TM173		92.3
Total Aliphatics & Aromatics >C5-35	<0.1 mg/kg	TM173		143
Total Aliphatics & Aromatics >C5-C44	<0.1 mg/kg	TM173		196

SDG:	100721-18	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91567

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSC05
Depth (m)	0.40 - 0.60
Sample Type	Soil/Solid
Date Sampled	19/07/2010
Date Received	21/07/2010
SDG Ref	100721-18
Lab Sample No.(s)	1847967

Component	LOD/Units	Method		
Dibromofluoromethane**	%	TM116	36.6	
Toluene-d8**	%	TM116	102	
4-Bromofluorobenzene**	%	TM116	124	
Dichlorodifluoromethane	<0.004 mg/kg	TM116	<0.004	M
Chloromethane	<0.007 mg/kg	TM116	<0.007	#
Vinyl Chloride	<0.01 mg/kg	TM116	<0.01	#
Bromomethane	<0.013 mg/kg	TM116	<0.013	M
Chloroethane	<0.014 mg/kg	TM116	<0.014	M
Trichlorofluorormethane	<0.006 mg/kg	TM116	<0.006	M
1.1-Dichloroethene	<0.01 mg/kg	TM116	<0.01	#
Carbon Disulphide	<0.007 mg/kg	TM116	<0.007	M
Dichloromethane	<0.01 mg/kg	TM116	<0.01	#
Methyl Tertiary Butyl Ether	<0.011 mg/kg	TM116	<0.011	M
trans-1-2-Dichloroethene	<0.011 mg/kg	TM116	<0.011	M
1.1-Dichloroethane	<0.008 mg/kg	TM116	<0.008	M
cis-1-2-Dichloroethene	<0.005 mg/kg	TM116	0.00739	M
2.2-Dichloropropane	<0.012 mg/kg	TM116	<0.012	M
Bromochloromethane	<0.014 mg/kg	TM116	<0.014	M
Chloroform	<0.008 mg/kg	TM116	<0.008	M
1.1.1-Trichloroethane	<0.007 mg/kg	TM116	<0.007	M
1.1-Dichloropropene	<0.011 mg/kg	TM116	<0.011	M
Carbontetrachloride	<0.014 mg/kg	TM116	<0.014	M
1.2-Dichloroethane	<0.005 mg/kg	TM116	<0.005	M
Benzene	<0.009 mg/kg	TM116	<0.009	M
Trichloroethene	<0.009 mg/kg	TM116	0.307	M
1.2-Dichloropropane	<0.012 mg/kg	TM116	<0.012	M
Dibromomethane	<0.009 mg/kg	TM116	<0.009	M
Bromodichloromethane	<0.007 mg/kg	TM116	<0.007	M
cis-1-3-Dichloropropene	<0.014 mg/kg	TM116	<0.014	M
Toluene	<0.005 mg/kg	TM116	<0.005	M
trans-1-3-Dichloropropene	<0.014 mg/kg	TM116	<0.014	
1.1.2-Trichloroethane	<0.01 mg/kg	TM116	<0.01	M
1.3-Dichloropropane	<0.007 mg/kg	TM116	<0.007	#
Tetrachloroethene	<0.005 mg/kg	TM116	<0.005	M
Dibromochloromethane	<0.013 mg/kg	TM116	<0.013	M
1.2-Dibromoethane	<0.012 mg/kg	TM116	<0.012	M
Chorobenzene	<0.005 mg/kg	TM116	<0.005	M
1.1.1.2-Tetrachloroethane	<0.01 mg/kg	TM116	<0.01	M
Ethylbenzene	<0.004 mg/kg	TM116	<0.004	M

ALcontrol Laboratories Analytical Services

SDG:	100721-18	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91567

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSC05
Depth (m)	0.40 - 0.60
Sample Type	Soil/Solid
Date Sampled	19/07/2010
Date Received	21/07/2010
SDG Ref	100721-18
Lab Sample No.(s)	1847967

Component	LOD/Units	Method	
p/m-Xylene	<0.014	mg/kg	TM116	<0.014 #
o-Xylene	<0.01	mg/kg	TM116	<0.01 M
Styrene	<0.01	mg/kg	TM116	<0.01 M
Bromoform	<0.01	mg/kg	TM116	<0.01 M
Isopropylbenzene	<0.005	mg/kg	TM116	<0.005 M
1.1.2.2-Tetrachloroethane	<0.01	mg/kg	TM116	<0.01 #
1.2.3-Trichloropropane	<0.017	mg/kg	TM116	<0.017 M
Bromobenzene	<0.01	mg/kg	TM116	<0.01 M
Propylbenzene	<0.011	mg/kg	TM116	<0.011 M
2-Chlorotoluene	<0.009	mg/kg	TM116	<0.009 M
1.3.5-Trimethylbenzene	<0.008	mg/kg	TM116	<0.008 #
4-Chlorotoluene	<0.012	mg/kg	TM116	<0.012 M
tert-Butylbenzene	<0.012	mg/kg	TM116	<0.012 #
1.2.4-Trimethylbenzene	<0.009	mg/kg	TM116	<0.009 #
sec-Butylbenzene	<0.01	mg/kg	TM116	<0.01 M
4-Isopropyltoluene	<0.011	mg/kg	TM116	<0.011 M
1.3-Dichlorobenzene	<0.006	mg/kg	TM116	<0.006 M
1.4-Dichlorobenzene	<0.005	mg/kg	TM116	<0.005 M
n-Butylbenzene	<0.01	mg/kg	TM116	<0.01 M
1.2-Dichlorobenzene	<0.012	mg/kg	TM116	<0.012 M
1.2-Dibromo-3-chloropropane	<0.014	mg/kg	TM116	<0.014 M
Tert-amyl methyl ether	<0.015	mg/kg	TM116	<0.015
1.2.4-Trichlorobenzene	<0.006	mg/kg	TM116	<0.006 #
Hexachlorobutadiene	<0.012	mg/kg	TM116	<0.012 M
Naphthalene	<0.013	mg/kg	TM116	<0.013 M
1.2.3-Trichlorobenzene	<0.006	mg/kg	TM116	<0.006 M

ALcontrol Laboratories Analytical Services

SDG:	100721-18	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91567

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSC08	WSC08
			Depth (m)	0.40 - 0.70	2.50 - 2.80
			Sample Type	Soil/Solid	Soil/Solid
			Date Sampled	19/07/2010	19/07/2010
			Date Received	21/07/2010	21/07/2010
			SDG Ref	100721-18	100721-18
			Lab Sample No.(s)	1847926	1847951
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024		129 M	<15 M
Sulphate, 2:1 water soluble	<0.003 g/l	TM098		0.154 M	1.38 M
Soil Organic Matter (SOM)	<0.35 %	TM132			7.84 #
pH	1 pH Units	TM133		8 M	7.68 M
Chromium, Hexavalent	<0.6 mg/kg	TM151		<1.2 #	<0.6 #
TPH >C6-C8	<10 mg/kg	TM154			<10
TPH >C8-C10	<10 mg/kg	TM154			<10
TPH >C10-C12	<10 mg/kg	TM154			<10
TPH >C12-C16	<10 mg/kg	TM154			<10
TPH >C16-C21	<10 mg/kg	TM154			<10
TPH >C21-C40	<10 mg/kg	TM154			142
TPH >C6-C40	<10 mg/kg	TM154			147 #
Arsenic	<0.6 mg/kg	TM181		11.6 M	6.15 M
Cadmium	<0.02 mg/kg	TM181		0.4 M	1.14 M
Chromium	<0.9 mg/kg	TM181		39.9 M	54.6 M
Copper	<1.4 mg/kg	TM181		18.6 M	39 M
Lead	<0.7 mg/kg	TM181		21.8 M	10.3 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		29.1 M	46.9 M
Selenium	<1 mg/kg	TM181		1.15 #	3.17 #
Zinc	<1.9 mg/kg	TM181		82.5 M	101 M
Boron, water soluble	<1 mg/kg	TM222		<1 M	2.05 M

SDG:	100721-18	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91567

ASSOCIATED AQC DATA

Ammonium Soil by Titration

Component	Method Code	QC 17
Exchangeable Ammonium as NH4	TM024	**89.60** 80.84 : 103.27

Boron Water Soluble

Component	Method Code	QC 17
Water Soluble Boron	TM222	**98.00** 82.59 : 112.64

EPH CWG (Aliphatic) GC (S)

Component	Method Code	QC 17
Total Aliphatics >C12-C35	TM173	**88.27** 66.13 : 101.56

EPH CWG (Aromatic) GC (S)

Component	Method Code	QC 17
Total Aromatics >EC12-EC35	TM173	**86.85** 64.00 : 112.00

Hexavalent Chromium (s)

Component	Method Code	QC 11
Hexavalent Chromium	TM151	**104.00** 76.40 : 131.80

Metals by iCap-OES (Soil)

Component	Method Code	QC 12
Aluminium	TM181	**110.94** 95.21 : 133.11
Antimony	TM181	**105.34** 63.92 : 138.56
Arsenic	TM181	**102.41** 77.96 : 122.04
Barium	TM181	**105.04** 90.49 : 117.24
Beryllium	TM181	**104.22** 77.50 : 122.50
Boron	TM181	**105.19** 82.46 : 141.11

SDG:	100721-18	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91567

		QC 12
Cadmium	TM181	**101.08** 77.50 : 122.50
Chromium	TM181	**99.71** 82.90 : 117.10
Cobalt	TM181	**99.82** 78.26 : 121.74
Copper	TM181	**102.45** 86.52 : 113.48
Iron	TM181	**112.09** 93.59 : 123.28
Lead	TM181	**99.33** 81.22 : 118.78
Manganese	TM181	**96.35** 87.42 : 112.58
Mercury	TM181	**105.98** 72.27 : 127.73
Molybdenum	TM181	**102.24** 71.12 : 128.88
Nickel	TM181	**98.85** 81.27 : 118.73
Phosphorus	TM181	**99.55** 84.04 : 115.96
Selenium	TM181	**102.22** 72.61 : 127.39
Strontium	TM181	**100.19** 80.21 : 119.79
Thallium	TM181	**93.39** 73.04 : 126.96
Tin	TM181	**97.98** 71.55 : 128.45
Titanium	TM181	**107.78** 78.26 : 121.74
Vanadium	TM181	**104.68** 82.03 : 117.97
Zinc	TM181	**95.47** 77.50 : 122.50

PAH by GCMS

Component	Method Code	QC 17
Acenaphthene	TM218	**96.24** 71.41 : 116.50
Acenaphthylene	TM218	**84.45** 74.28 : 102.70
Anthracene	TM218	**91.88** 67.40 : 117.21
Benz(a)anthracene	TM218	**99.53** 66.80 : 125.05
Benzo(a)pyrene	TM218	**102.57** 69.15 : 119.77
Benzo(b)fluoranthene	TM218	**99.08** 70.01 : 124.88
Benzo(ghi)perylene	TM218	**99.98** 81.23 : 116.67
Benzo(k)fluoranthene	TM218	**99.49** 71.46 : 117.67

SDG:	100721-18	**Customer:**	Entec UK Ltd
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		QC 17
Chrysene	TM218	**97.07** 71.32 : 130.95
Dibenzo(ah)anthracene	TM218	**99.47** 81.17 : 118.65
Fluoranthene	TM218	**94.36** 69.52 : 118.84
Fluorene	TM218	**94.61** 71.38 : 111.04
Indeno(123cd)pyrene	TM218	**100.72** 80.81 : 118.96
Naphthalene	TM218	**93.64** 81.16 : 104.84
Phenanthrene	TM218	**94.56** 69.56 : 121.45
Pyrene	TM218	**95.17** 70.34 : 117.79

PCBs (vs Aroclor 1254)

Component	Method Code	QC 16
PCBs (vs Aroclor 1254)	TM070	**102.84** 75.18 : 122.16

pH

Component	Method Code	QC 17
pH	TM133	**100.75** 97.90 : 102.35

Semi Volatile Organic Compounds

Component	Method Code	QC 14
4-Bromophenylphenylether (Soil)	TM157	**99.76** 12.25 : 162.08
Benzo(a)anthracene (Soil)	TM157	**106.21** 38.70 : 146.05
Hexachlorobutadiene (Soil)	TM157	**100.16** 17.33 : 157.33
Naphthalene (Soil)	TM157	**101.57** 17.33 : 157.33
Nitrobenzene (Soil)	TM157	**99.76** 19.50 : 154.53
Phenol (Soil)	TM157	**100.58** 23.40 : 144.15

Total Organic Carbon

Component	Method Code	QC 13
Total Organic Carbon	TM132	**95.43** 88.75 : 104.70

Validated

ALcontrol Laboratories Analytical Services

SDG:	100721-18	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91567

TPH c6-40 Value of soil

Component	Method Code	QC 19
Diesel QC	TM154	**94.39** 87.23 : 113.71
Lube Oil QC	TM154	**101.40** 88.71 : 110.56
TPH C6-40 Corrected	TM154	**97.90** 86.39 : 109.99

Water Soluble Sulphate 2:1

Component	Method Code	QC 14
Soluble SO4	TM098	**82.20** 76.87 : 120.45

The above information details the reference name of the analytical quality control sample (AQC) that has been run with the samples contained in this report for the different methods of analysis.
The figure detailed is the percentage recovery result for the AQC.
The subscript numbers below are the percentage recovery lower control limit (LCL) and the upper control limit (UCL). The percentage recovery result for the AQC should be between these limits to be statistically in control.

Table of Results - Appendix

SDG Number : 100721-18 **Client :** Entec UK Ltd **Client Ref :** 26999

REPORT KEY

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03x10-7

NDP	No Determination Possible	#	ISO 17025 Accredited	*	Subcontracted Test	M	MCERTS Accredited
NFD	No Fibres Detected	PFD	Possible Fibres Detected	»	Result previously reported (Incremental reports only)	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control

Method No	Reference	Description	Wet/Dry Sample [1]
PM001		Preparation of Samples for Metals Analysis	Dry
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material	Wet
TM001	In - house Method	Determination of asbestos containing material by screening on solids	
TM024	Method 4500A & B, AWWA/APHA, 20th Ed., 1999	Determination of Exchangeable Ammonium and Ammoniacal Nitrogen as N by titration on solids	Wet
TM070	Modified: US EPA Method 8250 & 625	Determination of Total Polychlorinated Biphenyls (PCBÆs) as Aroclor 1254 by GC-MS in Soils	Dry
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	
TM098	Method 4500E, AWWA/APHA, 20th Ed., 1999	Determination of Sulphate using the Kone Analyser	Dry
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS	
TM132	In - house Method	ELTRA CS800 Operators Guide	Dry
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter	Wet
TM151	Method 3500D, AWWA/APHA, 20th Ed., 1999	Determination of Hexavalent Chromium using Kone analyser	Wet
TM154	In - house Method	Determination of Petroleum Hydrocarbons by EZ Flash GC-FID in the Carbon range C6- C40	Wet
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone	Wet
TM173	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID	Dry
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES	Dry
TM184	EPA Methods 325.1 & 325.2,	The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	Dry
TM218	Microwave extraction – EPA method 3546	Microwave extraction - EPA method 3546	Wet
TM222	In-House Method	Determination of Hot Water Soluble Boron in Soils (10:1 Water:soil) by IRIS Emission Spectrometer	Dry

[1] Applies to Solid samples only. DRY indicates samples have been dried at 35°C. NA = not applicable.

APPENDIX

APPENDIX

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA Leach tests, flash point, ammonium as NH_4 by the BRE method, VOC TICS, SVOC TICS, TOF-MS SCAN/SEARCH and TOF-MS TICS.
2. Samples will be run in duplicate upon request, but an additional charge may be incurred.
3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for both soil jars, tubs and volatile jars. All waters and vials will be discarded 10 days after the analysis is completed (e-mailed). All material removed during an asbestos containing material screen and analysed for the presence of asbestos will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.
4. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.
5. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.
6. When requested, the individual sub sample scheduled will be screened in house for the presence of large asbestos containing material fragments/pieces. If no asbestos containing material is found this will be reported as 'no asbestos containing material detected'. If asbestos containing material is detected it will be removed and analysed by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If asbestos containing material is present no further analysis will be undertaken. At no point is the fibre content of the soil sample determined.
7. If no separate volatile sample is supplied by the client, the integrity of the data may be compromised if the laboratory is required to create a sub-sample from the bulk sample – similarly, if a headspace or sediment is present in the volatile sample. This will be flagged up as an invalid VOC on the test schedule or recorded on the log sheet.
8. If appropriate preserved bottles are not received preservation will take place on receipt. However, the integrity of the data may be compromised.
9. NDP – No determination possible due to insufficient/unsuitable sample.
10. Metals in water are performed on a filtered sample, and therefore represent dissolved metals – total metals must be requested separately.
11. A table containing the date of analysis for each parameter is not routinely included with the report, but is available upon request.
12. Results relate only to the items tested
13. **Surrogate recoveries** – Most of our organic methods include surrogates, the recovery of which is monitored and reported. For EPH, MO, PAH, GRO and VOCs on soils the result is not surrogate corrected, but a percentage recovery is quoted. Acceptable limits for most organic methods are 70 – 130 %.
14. **Product analyses** – Organic analyses on products can only be semi-quantitative due to the matrix effects and high dilution factors employed.
15. Phenols monohydric by HPLC include phenol, cresols (2-Methylphenol, 3-Methylphenol and 4-Methylphenol) and Xylenols (2,3 Dimethylphenol, 2,4 Dimethylphenol, 2,5 Dimethylphenol, 2,6 Dimethylphenol, 3,4 Dimethyphenol, 3,5 Dimethylphenol).
16. Total of 5 speciated phenols by HPLC includes Phenol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 14).
17. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.
18. Our MCERTS accreditation for PAHs by GCMS applies to all product types apart from Kerosene, where naphthalene only is not accredited.
19. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.
19. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.
20. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.
21. For all leachate preparations (NRA, DIN, TCLP, BSEN 12457-1, 2, 3) volatile loss may occur, as we do not employ zero headspace extraction.
22. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials – whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.
23. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C4 – C10 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

LIQUID MATRICES EXTRACTION SUMMARY

ANALYSIS	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
PAH MS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
EPH	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
EPH CWG	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
MINERAL OIL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
PCB 7 CONGENERS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
PCB TOTAL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GS MS
SVOC	DCM	LIQUID/LIQUID SHAKE	GC MS
FREE SULPHUR	DCM	SOLID PHASE EXTRACTION	HPLC
PEST OCP/OPP	DCM	LIQUID/LIQUID SHAKE	GC MS
TRIAZINE HERBS	DCM	LIQUID/LIQUID SHAKE	GC MS
PHENOLS MS	DCM	SOLID PHASE EXTRACTION	GC MS
TPH by INFRA RED (IR)	TCE	LIQUID/LIQUID EXTRACTION	HPLC
MINERAL OIL by IR	TCE	LIQUID/LIQUID EXTRACTION	HPLC
GLYCOLS	NONE	DIRECT INJECTION	GC FID

SOLID MATRICES EXTRACTION SUMMARY

ANALYSIS	D/C OR WET	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
Solvent Extractable Matter	D&C	DCM	SOXTHERM	GRAVIMETRIC
Cyclohexane Ext. Matter	D&C	CYCLOHEXANE	SOXTHERM	GRAVIMETRIC
Thin Layer Chromatography	D&C	DCM	SOXTHERM	IATROSCAN
Elemental Sulphur	D&C	DCM	SOXTHERM	HPLC
Phenols by GCMS	WET	DCM	SOXTHERM	GC-MS
Herbicides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
Pesticides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
EPH (DRO)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Min oil)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Cleaned up)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH CWG by GC	D&C	HEXANE:ACETONE	END OVER END	GC-FID
PCB tot / PCB con	D&C	HEXANE:ACETONE	END OVER END	GC-MS
Polyaromatic Hydrocarbons (MS)	WET	HEXANE:ACETONE	Microwave TM218.	GC-MS
C8-C40 (C6-C40)EZ Flash	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Polyaromatic Hydrocarbons Rapid GC	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Semi Volatile Organic Compounds	WET	DCM:ACETONE	SONICATE	GC-MS

Identification of Asbestos in Bulk Materials

The results for asbestos identification for soil samples are obtained from possible Asbestos Containing Material, removed during the 'Screening of soils for Asbestos Containing Materials', which have been examined to determine the presence of asbestos fibres using Alcontrol Laboratories (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Visual Estimation Of Fibre Content.

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: -

Trace – Where only one or two asbestos fibres were identified.

Further guidance on typical asbestos fibre content of manufactured products can be found in MDHS 100.

The identification of asbestos containing materials falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

ALcontrol Laboratories

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Shropshire
SY2 5DE

Attention: Steve Dooley

CERTIFICATE OF ANALYSIS

Date:	29 July 2010		
Customer:	H_ENTEC_SHW-24		
Sample Delivery Group (SDG):	100722-28	**Report No.:**	91905
Your Reference:	26999		
Location:	KL056 DSDC Bicester		

We received 19 samples on Thursday July 22, 2010 and 12 of these samples were scheduled for analysis which was completed on Thursday July 29, 2010. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

All chemical testing (unless subcontracted) is performed at ALcontrol Hawarden Laboratories.

Asbestos testing - we are not accredited for screening soil samples for asbestos fibres. We are only accredited to identify asbestos fibres in bulk material (ACM).

Approved By:

Iain Swinton

Operations Director - Land UK & Ireland

ALcontrol Laboratories is a trading division of ALcontrol UK Limited
Registered Office: Units 7 & 8 Hawarden Business Park, Manor Road, Hawarden, Deeside, CH5 3US. Registered in England and Wales No. 4057291.

Validated

ALcontrol Laboratories Analytical Services

SDG:	100722-28	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91905

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Sampled Date
1854740	WSD1	0.00 - 0.20	20/07/2010
1854741	WSD1	1.60 - 1.80	20/07/2010
1854742	WSD2	0.20 - 0.40	20/07/2010
1854743	WSD2	1.20 - 1.40	20/07/2010
1854744	WSD2	4.00 - 4.20	20/07/2010
1854770	WSE10	0.10 - 0.30	20/07/2010
1854772	WSE10	0.70 - 0.90	20/07/2010
1854773	WSE10	3.00 - 3.30	20/07/2010
1854745	WSE5	0.50 - 0.70	20/07/2010
1854747	WSE5	1.80 - 2.00	20/07/2010
1854748	WSE6	0.30 - 0.50	20/07/2010
1854749	WSE6	2.80 - 3.00	20/07/2010
1854751	WSE7	0.00 - 0.20	20/07/2010
1854754	WSE7	1.70 - 1.90	20/07/2010
1854761	WSE8	0.40 - 0.60	20/07/2010
1854764	WSE8	0.70 - 0.90	20/07/2010
1854765	WSE8	1.60 - 1.80	20/07/2010
1854767	WSE9	0.40 - 0.50	20/07/2010
1854768	WSE9	1.50 - 1.60	20/07/2010

Only received samples which have had analysis scheduled will be shown on the following pages.

Validated

ALcontrol Laboratories Analytical Services

SDG:	100722-28	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91905

SOLID

Results Legend

X Test

N No Determination Possible

		Lab Sample No(s)	1854740	1854742	1854743	1854745	1854749	1854751	1854761	1854764	1854767	1854768	1854770	1854773	Total
		Customer Sample Ref.	WSD1	WSD2	WSD2	WSE5	WSE6	WSE7	WSE8	WSE8	WSE9	WSE9	WSE10	WSE10	
		Depth (m)	0.00 - 0.20	0.20 - 0.40	1.20 - 1.40	0.50 - 0.70	2.80 - 3.00	0.00 - 0.20	0.40 - 0.60	0.70 - 0.90	0.40 - 0.50	1.50 - 1.60	0.10 - 0.30	3.00 - 3.30	
		Container	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	60g VOC	1kg TUB	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	
Ammonium Soil by Titration	All			X		X		X	X		X		X		X		X		X		X		X		X		0 12
Asbestos Containing Material Screen	All			X						X									X								0 3
Boron Water Soluble	All		X		X		X		X		X		X		X		X		X		X			X			0 12
EPH CWG (Aliphatic) GC (S)	All											X															0 1
EPH CWG (Aromatic) GC (S)	All											X															0 1
GRO BTEX MTBE GC (S)	All																					X					0 1
Hexavalent Chromium (s)	All			X		X		X	X		X		X		X		X		X		X		X		X		0 12
Metals by iCap-OES (Soil)	Arsenic		X		X		X		X		X		X		X		X		X		X		X		X		0 12
	Cadmium		X		X		X		X		X		X		X		X		X		X		X		X		0 12
	Chromium		X		X		X		X		X		X		X		X		X		X		X		X		0 12
	Copper		X		X		X		X		X		X		X		X		X		X		X		X		0 12
	Lead		X		X		X		X		X		X		X		X		X		X		X		X		0 12
	Mercury		X		X		X		X		X		X		X		X		X		X		X		X		0 12
	Nickel		X		X		X		X		X		X		X		X		X		X		X		X		0 12
	Selenium		X		X		X		X		X		X		X		X		X		X		X		X		0 12
	Zinc		X		X		X		X		X		X		X		X		X		X		X		X		0 12
PAH by GCMS	All											X															0 1
PCBs (vs Aroclor 1254)	All											X															0 1
pH	All			X		X		X	X		X		X		X		X		X		X		X		X		0 12
Sample description	All		X		X		X		X		X		X		X		X		X		X		X		X		0 12
Semi Volatile Organic Compounds	All											X															0 1
Total Organic Carbon	All					X		X								X											0 4
TPH c6-40 Value of soil	All		X			X		X		X						X											0 8

Validated

ALcontrol Laboratories Analytical Services

SDG:	100722-28	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91905

		1854740		1854742		1854743		1854745		1854749		1854751		1854761		1854764		1854767			1854768		1854770		1854773		Total
		WSD1		WSD2		WSD2		WSE5		WSE6		WSE7		WSE8		WSE8		WSE9			WSE9		WSE10		WSE10		
		0.00 - 0.20		0.20 - 0.40		1.20 - 1.40		0.50 - 0.70		2.80 - 3.00		0.00 - 0.20		0.40 - 0.60		0.70 - 0.90		0.40 - 0.50			1.50 - 1.60		0.10 - 0.30		3.00 - 3.30		
		250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	250g Amber Jar	400g Tub	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	60g VOC	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	
TPH CWG GC (S)	All																		X								0 1
VOC MS (S)	All																			X							0 1
Water Soluble Sulphate 2:1	All	X		X		X			X		X		X		X		X		X			X		X		X	0 12

Validated

ALcontrol Laboratories Analytical Services

SDG:	100722-28	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91905

Sample Descriptions

Grain Sizes:
<0.063mm very fine,
0.063mm - 0.1mm fine,
0.1mm - 2mm medium,
2mm - 10mm coarse,
>10mm very coarse

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Grain size	Inclusions
1854740	WSD1	0.00 - 0.20	Dark Brown	Clay Loam	0.063 - 0.1 mm	Vegetation
1854742	WSD2	0.20 - 0.40	Light Brown	Clay	<0.063 mm	N/A
1854743	WSD2	1.20 - 1.40	Dark Brown	Silty Clay	<0.063 mm	N/A
1854745	WSE5	0.50 - 0.70	Light Brown	Clay Loam	<0.063 mm	N/A
1854749	WSE6	2.80 - 3.00	Dark Brown	Clay	<0.063 mm	N/A
1854751	WSE7	0.00 - 0.20	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones
1854761	WSE8	0.40 - 0.60	Light Brown	Sandy Loam	0.1 - 2 mm	Stones
1854764	WSE8	0.70 - 0.90	Light Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones
1854767	WSE9	0.40 - 0.50	Black	Loamy Sand	0.1 - 2 mm	Stones
1854768	WSE9	1.50 - 1.60	Dark Brown	Silty Clay	<0.063 mm	N/A
1854770	WSE10	0.10 - 0.30	Dark Brown	Sandy Clay Loam	0.063 - 0.1 mm	Stones
1854773	WSE10	3.00 - 3.30	Dark Brown	Sand	0.1 - 2 mm	N/A

These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally ocurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Validated

ALcontrol Laboratories Analytical Services

SDG:	100722-28	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91905

Test Completion dates

SDG reference: 100722-28

Lab Sample No(s)	1854740	1854742	1854743	1854745	1854749	1854751	1854761	1854764	1854767	1854768	1854770	1854773
Customer Sample Ref.	WSD1	WSD2	WSD2	WSE5	WSE6	WSE7	WSE8	WSE8	WSE9	WSE9	WSE10	WSE10
Depth	0.00 - 0.20	0.20 - 0.40	1.20 - 1.40	0.50 - 0.70	2.80 - 3.00	0.00 - 0.20	0.40 - 0.60	0.70 - 0.90	0.40 - 0.50	1.50 - 1.60	0.10 - 0.30	3.00 - 3.30
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Ammonium Soil by Titration	23/07/2010	26/07/2010	23/07/2010	26/07/2010	23/07/2010	23/07/2010	27/07/2010	27/07/2010	23/07/2010	23/07/2010	23/07/2010	27/07/2010
Asbestos Containing Material	22/07/2010					22/07/2010					22/07/2010	
Boron Water Soluble	23/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	23/07/2010	26/07/2010	27/07/2010	23/07/2010	23/07/2010	23/07/2010	26/07/2010
EPH CWG (Aliphatic) GC (S)									26/07/2010			
EPH CWG (Aromatic) GC (S)									26/07/2010			
GRO by GC-FID (S)									29/07/2010			
Hexavalent Chromium (s)	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010
Metals by iCap-OES (Soil)	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	27/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010
PAH by GCMS									23/07/2010			
PCBs (vs Aroclor 1254)									23/07/2010			
pH	23/07/2010	23/07/2010	23/07/2010	23/07/2010	23/07/2010	23/07/2010	26/07/2010	26/07/2010	23/07/2010	23/07/2010	23/07/2010	26/07/2010
Sample description	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	23/07/2010	23/07/2010	22/07/2010	22/07/2010	22/07/2010	23/07/2010
Semi Volatile Organic Compounds									26/07/2010			
Total Organic Carbon			23/07/2010	23/07/2010				27/07/2010	23/07/2010			
TPH c6-40 Value of soil	27/07/2010		27/07/2010	27/07/2010	27/07/2010			29/07/2010		27/07/2010	27/07/2010	29/07/2010
TPH CWG GC (S)									29/07/2010			
VOC MS (S)									23/07/2010			
Water Soluble Sulphate 2:1	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	27/07/2010	27/07/2010	26/07/2010	26/07/2010	26/07/2010	27/07/2010

Validated

ALcontrol Laboratories Analytical Services

SDG:	100722-28	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91905

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSD1	WSD2	WSD2	WSE10	WSE10	WSE5
			Depth (m)	0.00 - 0.20	0.20 - 0.40	1.20 - 1.40	0.10 - 0.30	3.00 - 3.30	0.50 - 0.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010
			Date Received	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010
			SDG Ref	100722-28	100722-28	100722-28	100722-28	100722-28	100722-28
			Lab Sample No.(s)	1854740	1854742	1854743	1854770	1854773	1854745
Asbestos Containing Material Screen	-	TM001		No ACM Detected			No ACM Detected		
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024		<15 M	<15 M	<15 M	<15 M	64.9 M	66.6 M
Sulphate, 2:1 water soluble	<0.003 g/l	TM098		0.0034 M	0.222 M	0.231 M	1.37 M	0.0438 M	0.0228 M
Soil Organic Matter (SOM)	<0.35 %	TM132				1.9 #			0.921 #
pH	1 pH Units	TM133		7.45 M	5.26 M	6.25 M	8.16 M	8.31 M	7.88 M
Chromium, Hexavalent	<0.6 mg/kg	TM151		<1.2 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #
TPH >C6-C8	<10 mg/kg	TM154		<10		<10	<10	<10	<10
TPH >C8-C10	<10 mg/kg	TM154		<10		<10	<10	<10	<10
TPH >C10-C12	<10 mg/kg	TM154		<10		<10	<10	<10	<10
TPH >C12-C16	<10 mg/kg	TM154		<10		<10	<10	<10	<10
TPH >C16-C21	<10 mg/kg	TM154		42.8		<10	24.8	<10	<10
TPH >C21-C40	<10 mg/kg	TM154		491		<10	359	<10	149
TPH >C6-C40	<10 mg/kg	TM154		538 #		<10 #	393 #	<10 #	151 #
Arsenic	<0.6 mg/kg	TM181		10.1 M	8.44 M	7.59 M	14.3 M	15.9 M	13.3 M
Cadmium	<0.02 mg/kg	TM181		0.426 M	0.21 M	0.205 M	0.336 M	0.432 M	0.603 M
Chromium	<0.9 mg/kg	TM181		41.5 M	59.4 M	35.1 M	24.4 M	21.5 M	47.1 M
Copper	<1.4 mg/kg	TM181		28.1 M	36.1 M	15.6 M	31 M	16.5 M	16 M
Lead	<0.7 mg/kg	TM181		26.9 M	20.1 M	14.1 M	37.2 M	10.3 M	16.7 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		18.1 M	16.7 M	14.2 M	22.6 M	44.4 M	33.3 M
Selenium	<1 mg/kg	TM181		1.54 #	2.1 #	1.15 #	1.04 #	<1 #	1.78 #
Zinc	<1.9 mg/kg	TM181		92.4 M	75.1 M	33 M	70.1 M	96.4 M	97.4 M
Boron, water soluble	<1 mg/kg	TM222		<1 M	2.28 M	2.37 M	<1 M	1.55 M	1.4 M

Validated

ALcontrol Laboratories Analytical Services

SDG:	100722-28	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91905

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSE6	WSE7	WSE8	WSE8	WSE9	WSE9
			Depth (m)	2.80 - 3.00	0.00 - 0.20	0.40 - 0.60	0.70 - 0.90	0.40 - 0.50	1.50 - 1.60
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010	20/07/2010
			Date Received	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010
			SDG Ref	100722-28	100722-28	100722-28	100722-28	100722-28	100722-28
			Lab Sample No.(s)	1854749	1854751	1854761	1854764	1854767	1854768
Asbestos Containing Material Screen	-	TM001			No ACM Detected				
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024		<15 M	<15 M	<15 M	47.6 M	<15 M	<15 M
Sulphate, 2:1 water soluble	<0.003 g/l	TM098		1.97 M	0.0478 M	0.0791 M	0.0486 M	0.0178 M	1.76 M
Soil Organic Matter (SOM)	<0.35 %	TM132					1.09 #	60.5 #	
pH	1 pH Units	TM133		5.53 M	8.27 M	9.01 M	7.59 M	8.17 M	4.23 M
Chromium, Hexavalent	<0.6 mg/kg	TM151		<0.6 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #	<1.2 #
TPH >C6-C8	<10 mg/kg	TM154		<10			<10		<10
TPH >C8-C10	<10 mg/kg	TM154		<10			<10		<10
TPH >C10-C12	<10 mg/kg	TM154		<10			<10		<10
TPH >C12-C16	<10 mg/kg	TM154		<10			<10		<10
TPH >C16-C21	<10 mg/kg	TM154		<10			<10		<10
TPH >C21-C40	<10 mg/kg	TM154		254			73.1		<10
TPH >C6-C40	<10 mg/kg	TM154		256 #			77.9 #		<10 #
Arsenic	<0.6 mg/kg	TM181		8.88 M	9.34 M	10.9 M	8.74 M	12.2 M	4.29 M
Cadmium	<0.02 mg/kg	TM181		0.351 M	0.217 M	0.207 M	0.167 M	0.298 M	0.493 M
Chromium	<0.9 mg/kg	TM181		41.3 M	24.6 M	8.49 M	41.6 M	20.4 M	14.6 M
Copper	<1.4 mg/kg	TM181		22.2 M	20 M	9.37 M	19.3 M	36.8 M	11.7 M
Lead	<0.7 mg/kg	TM181		12.9 M	15.5 M	5.16 M	13.7 M	42.5 M	7.01 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		29.4 M	16.7 M	7.45 M	20.1 M	29.3 M	4.71 M
Selenium	<1 mg/kg	TM181		1.65 #	1.07 #	<1 #	1.59 #	1.09 #	2.21 #
Zinc	<1.9 mg/kg	TM181		133 M	50.4 M	55.4 M	79.5 M	61.8 M	19.9 M
Boron, water soluble	<1 mg/kg	TM222		4.97 M	<1 M	1.09 M	1.39 M	<1 M	<1 M

ALcontrol Laboratories Analytical Services

SDG:	100722-28	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91905

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSE9
Depth (m)	0.40 - 0.50
Sample Type	Soil/Solid
Date Sampled	20/07/2010
Date Received	22/07/2010
SDG Ref	100722-28
Lab Sample No.(s)	1854767

Component	LOD/Units	Method		
Naphthalene-d8 % recovery**	%	TM218	92.1	
Acenaphthene-d10 % recovery**	%	TM218	93.5	
Phenanthrene-d10 % recovery**	%	TM218	90.1	
Chrysene-d12 % recovery**	%	TM218	82.4	
Perylene-d12 % recovery**	%	TM218	76.9	
Naphthalene	<0.009 mg/kg	TM218	0.257	M
Acenaphthylene	<0.012 mg/kg	TM218	0.204	M
Acenaphthene	<0.008 mg/kg	TM218	0.251	M
Fluorene	<0.01 mg/kg	TM218	0.149	M
Phenanthrene	<0.015 mg/kg	TM218	2.32	M
Anthracene	<0.016 mg/kg	TM218	0.49	M
Fluoranthene	<0.017 mg/kg	TM218	6.95	M
Pyrene	<0.015 mg/kg	TM218	5.94	M
Benz(a)anthracene	<0.014 mg/kg	TM218	3.11	M
Chrysene	<0.01 mg/kg	TM218	2.84	M
Benzo(b)fluoranthene	<0.015 mg/kg	TM218	4.08	M
Benzo(k)fluoranthene	<0.014 mg/kg	TM218	1.74	M
Benzo(a)pyrene	<0.015 mg/kg	TM218	3.21	M
Indeno(1,2,3-cd)pyrene	<0.018 mg/kg	TM218	1.55	M
Dibenzo(a,h)anthracene	<0.023 mg/kg	TM218	0.459	M
Benzo(g,h,i)perylene	<0.024 mg/kg	TM218	1.7	M
Polyaromatic hydrocarbons, Total USEPA 16	<0.118 mg/kg	TM218	35.3	M

Validated

ALcontrol Laboratories Analytical Services

SDG:	100722-28	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91905

PCBs (vs Aroclor 1254)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSE9
Depth (m)	0.40 - 0.50
Sample Type	Soil/Solid
Date Sampled	20/07/2010
Date Received	22/07/2010
SDG Ref	100722-28
Lab Sample No.(s)	1854767

Component	LOD/Units	Method	
PCBs (vs Aroclor 1254)	<0.035 mg/kg	TM070	<0.035 #

SDG:	100722-28	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91905

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSE9
			Depth (m)	0.40 - 0.50
			Sample Type	Soil/Solid
			Date Sampled	20/07/2010
			Date Received	22/07/2010
			SDG Ref	100722-28
			Lab Sample No.(s)	1854767
Phenol	<0.1 mg/kg	TM157		2.49
Pentachlorophenol	<0.1 mg/kg	TM157		<0.1
n-Nitroso-n-dipropylamine	<0.1 mg/kg	TM157		<0.1
Nitrobenzene	<0.1 mg/kg	TM157		<0.1
Isophorone	<0.1 mg/kg	TM157		<0.1
Hexachloroethane	<0.1 mg/kg	TM157		<0.1
Hexachlorocyclopentadiene	<0.1 mg/kg	TM157		<0.1
Hexachlorobutadiene	<0.1 mg/kg	TM157		<0.1
Hexachlorobenzene	<0.1 mg/kg	TM157		<0.1
n-Dioctyl phthalate	<0.1 mg/kg	TM157		<0.1
Dimethyl phthalate	<0.1 mg/kg	TM157		<0.1
Diethyl phthalate	<0.1 mg/kg	TM157		<0.1
n-Dibutyl phthalate	<0.1 mg/kg	TM157		<0.1
Dibenzofuran	<0.1 mg/kg	TM157		<0.1
Carbazole	<0.1 mg/kg	TM157		0.203
Butylbenzyl phthalate	<0.1 mg/kg	TM157		<0.1
bis(2-Ethylhexyl) phthalate	<0.1 mg/kg	TM157		<0.1
bis(2-Chloroethoxy)methane	<0.1 mg/kg	TM157		<0.1
bis(2-Chloroethyl)ether	<0.1 mg/kg	TM157		<0.1
Azobenzene	<0.1 mg/kg	TM157		<0.1
4-Nitrophenol	<0.1 mg/kg	TM157		<0.1
4-Nitroaniline	<0.1 mg/kg	TM157		<0.1
4-Methylphenol	<0.1 mg/kg	TM157		<0.1
4-Chlorophenylphenylether	<0.1 mg/kg	TM157		<0.1
4-Chloroaniline	<0.1 mg/kg	TM157		<0.1
4-Chloro-3-methylphenol	<0.1 mg/kg	TM157		<0.1
4-Bromophenylphenylether	<0.1 mg/kg	TM157		<0.1
3-Nitroaniline	<0.1 mg/kg	TM157		<0.1
2-Nitrophenol	<0.1 mg/kg	TM157		<0.1
2-Nitroaniline	<0.1 mg/kg	TM157		<0.1
2-Methylphenol	<0.1 mg/kg	TM157		<0.1
1,2,4-Trichlorobenzene	<0.1 mg/kg	TM157		<0.1
2-Chlorophenol	<0.1 mg/kg	TM157		<0.1
2,6-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1
2,4-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1
2,4-Dimethylphenol	<0.1 mg/kg	TM157		<0.1
2,4-Dichlorophenol	<0.1 mg/kg	TM157		<0.1
2,4,6-Trichlorophenol	<0.1 mg/kg	TM157		<0.1
2,4,5-Trichlorophenol	<0.1 mg/kg	TM157		<0.1

SDG:	100722-28	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91905

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSE9
Depth (m)	0.40 - 0.50
Sample Type	Soil/Solid
Date Sampled	20/07/2010
Date Received	22/07/2010
SDG Ref	100722-28
Lab Sample No.(s)	1854767

Component	LOD/Units	Method	
1,4-Dichlorobenzene	<0.1 mg/kg	TM157	<0.1
1,3-Dichlorobenzene	<0.1 mg/kg	TM157	<0.1
1,2-Dichlorobenzene	<0.1 mg/kg	TM157	<0.1
2-Chloronaphthalene	<0.1 mg/kg	TM157	<0.1
2-Methylnaphthalene	<0.1 mg/kg	TM157	<0.1
Acenaphthylene	<0.1 mg/kg	TM157	<0.1
Acenaphthene	<0.1 mg/kg	TM157	0.235
Anthracene	<0.1 mg/kg	TM157	0.674
Benzo(a)anthracene	<0.1 mg/kg	TM157	3.9
Benzo(b)fluoranthene	<0.1 mg/kg	TM157	4.12
Benzo(k)fluoranthene	<0.1 mg/kg	TM157	3.73
Benzo(a)pyrene	<0.1 mg/kg	TM157	5.88
Benzo(g,h,i)perylene	<0.1 mg/kg	TM157	2.87
Chrysene	<0.1 mg/kg	TM157	4.47
Fluoranthene	<0.1 mg/kg	TM157	8.97
Fluorene	<0.1 mg/kg	TM157	0.152
Indeno(1,2,3-cd)pyrene	<0.1 mg/kg	TM157	2.74
Phenanthrene	<0.1 mg/kg	TM157	3.16
Pyrene	<0.1 mg/kg	TM157	8.07
Naphthalene	<0.1 mg/kg	TM157	<0.1
Dibenzo(a,h)anthracene	<0.1 mg/kg	TM157	0.549

SDG:	100722-28	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91905

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSE9
			Depth (m)	0.40 - 0.50
			Sample Type	Soil/Solid
			Date Sampled	20/07/2010
			Date Received	22/07/2010
			SDG Ref	100722-28
			Lab Sample No.(s)	1854767
GRO Surrogate % recovery**	%	TM089		23
GRO >C5-C12	<0.044 mg/kg	TM089		<0.044
Benzene	<0.01 mg/kg	TM089		<0.01 M
Ethylbenzene	<0.003 mg/kg	TM089		<0.003 M
Toluene	<0.002 mg/kg	TM089		<0.002 M
m,p-Xylene	<0.006 mg/kg	TM089		<0.006 M
o-Xylene	<0.003 mg/kg	TM089		<0.003 M
m,p,o-Xylene	<0.01 mg/kg	TM089		<0.01 M
BTEX, Total	<0.01 mg/kg	TM089		<0.01 M
Methyl tertiary butyl ether (MTBE)	<0.005 mg/kg	TM089		<0.005 #
Aliphatics >C5-C6	<0.01 mg/kg	TM089		<0.01
Aliphatics >C6-C8	<0.01 mg/kg	TM089		<0.01
Aliphatics >C8-C10	<0.01 mg/kg	TM089		<0.01
Aliphatics >C10-C12	<0.01 mg/kg	TM089		<0.01
Aromatics >C6-C7	<0.01 mg/kg	TM089		<0.01
Aromatics >C7-C8	<0.01 mg/kg	TM089		<0.01
Aromatics >EC8-EC10	<0.01 mg/kg	TM089		<0.01
Aromatics >EC10-EC12	<0.01 mg/kg	TM089		<0.01
Total Aliphatics >C5-C12	<0.01 mg/kg	TM089		<0.01
Total Aromatics >C6-C12	<0.01 mg/kg	TM089		<0.01
Aliphatics >C12-C16	<0.1 mg/kg	TM173		8.31
Aliphatics >C16-C21	<0.1 mg/kg	TM173		10.9
Aliphatics >C16-C35	<0.1 mg/kg	TM173		39.2
Aliphatics >C21-C35	<0.1 mg/kg	TM173		28.3
Aliphatics >C35-C44	<0.1 mg/kg	TM173		<0.1
Aromatics >EC12-EC16	<0.1 mg/kg	TM173		7.32
Aromatics >EC16-EC21	<0.1 mg/kg	TM173		33.8
Aromatics >EC21-EC35	<0.1 mg/kg	TM173		106
Aromatics >EC35-EC44	<0.1 mg/kg	TM173		25.1
Aromatics >EC40-EC44	<0.1 mg/kg	TM173		8.21
Total Aliphatics >C12-C44	<0.1 mg/kg	TM173		47.5
Total Aromatics >EC12-EC44	<0.1 mg/kg	TM173		172
Total Aliphatics >C5-35	<0.1 mg/kg	TM173		47.5
Total Aliphatics >C5-C44	<0.1 mg/kg	TM173		47.5
Total Aromatics >C5-35	<0.1 mg/kg	TM173		147
Total Aromatics >C6-C44	<0.1 mg/kg	TM173		172
Total Aliphatics & Aromatics >C5-35	<0.1 mg/kg	TM173		194
Total Aliphatics & Aromatics >C5-C44	<0.1 mg/kg	TM173		219

SDG:	100722-28	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91905

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSE9
Depth (m)	0.40 - 0.50
Sample Type	Soil/Solid
Date Sampled	20/07/2010
Date Received	22/07/2010
SDG Ref	100722-28
Lab Sample No.(s)	1854767

Component	LOD/Units	Method	
Dibromofluoromethane**	%	TM116	104
Toluene-d8**	%	TM116	103
4-Bromofluorobenzene**	%	TM116	135
Dichlorodifluoromethane	<0.004 mg/kg	TM116	<0.004 M
Chloromethane	<0.007 mg/kg	TM116	<0.007 #
Vinyl Chloride	<0.01 mg/kg	TM116	<0.01 #
Bromomethane	<0.013 mg/kg	TM116	<0.013 M
Chloroethane	<0.014 mg/kg	TM116	<0.014 M
Trichlorofluorormethane	<0.006 mg/kg	TM116	<0.006 M
1.1-Dichloroethene	<0.01 mg/kg	TM116	<0.01 #
Carbon Disulphide	<0.007 mg/kg	TM116	<0.007 M
Dichloromethane	<0.01 mg/kg	TM116	<0.01 #
Methyl Tertiary Butyl Ether	<0.011 mg/kg	TM116	<0.011 M
trans-1-2-Dichloroethene	<0.011 mg/kg	TM116	<0.011 M
1.1-Dichloroethane	<0.008 mg/kg	TM116	<0.008 M
cis-1-2-Dichloroethene	<0.005 mg/kg	TM116	<0.005 M
2.2-Dichloropropane	<0.012 mg/kg	TM116	<0.012 M
Bromochloromethane	<0.014 mg/kg	TM116	<0.014 M
Chloroform	<0.008 mg/kg	TM116	<0.008 M
1.1.1-Trichloroethane	<0.007 mg/kg	TM116	<0.007 M
1.1-Dichloropropene	<0.011 mg/kg	TM116	<0.011 M
Carbontetrachloride	<0.014 mg/kg	TM116	<0.014 M
1.2-Dichloroethane	<0.005 mg/kg	TM116	<0.005 M
Benzene	<0.009 mg/kg	TM116	<0.009 M
Trichloroethene	<0.009 mg/kg	TM116	<0.009 M
1.2-Dichloropropane	<0.012 mg/kg	TM116	<0.012 M
Dibromomethane	<0.009 mg/kg	TM116	<0.009 M
Bromodichloromethane	<0.007 mg/kg	TM116	<0.007 M
cis-1-3-Dichloropropene	<0.014 mg/kg	TM116	<0.014 M
Toluene	<0.005 mg/kg	TM116	<0.005 M
trans-1-3-Dichloropropene	<0.014 mg/kg	TM116	<0.014
1.1.2-Trichloroethane	<0.01 mg/kg	TM116	<0.01 M
1.3-Dichloropropane	<0.007 mg/kg	TM116	<0.007 #
Tetrachloroethene	<0.005 mg/kg	TM116	<0.005 M
Dibromochloromethane	<0.013 mg/kg	TM116	<0.013 M
1.2-Dibromoethane	<0.012 mg/kg	TM116	<0.012 M
Chorobenzene	<0.005 mg/kg	TM116	<0.005 M
1.1.1.2-Tetrachloroethane	<0.01 mg/kg	TM116	<0.01 M
Ethylbenzene	<0.004 mg/kg	TM116	<0.004 M

SDG:	100722-28	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91905

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSE9
Depth (m)	0.40 - 0.50
Sample Type	Soil/Solid
Date Sampled	20/07/2010
Date Received	22/07/2010
SDG Ref	100722-28
Lab Sample No.(s)	1854767

Component	LOD/Units	Method	
p/m-Xylene	<0.014	mg/kg	TM116	<0.014 #
o-Xylene	<0.01	mg/kg	TM116	<0.01 M
Styrene	<0.01	mg/kg	TM116	<0.01 M
Bromoform	<0.01	mg/kg	TM116	<0.01 M
Isopropylbenzene	<0.005	mg/kg	TM116	<0.005 M
1.1.2.2-Tetrachloroethane	<0.01	mg/kg	TM116	<0.01 #
1.2.3-Trichloropropane	<0.017	mg/kg	TM116	<0.017 M
Bromobenzene	<0.01	mg/kg	TM116	<0.01 M
Propylbenzene	<0.011	mg/kg	TM116	<0.011 M
2-Chlorotoluene	<0.009	mg/kg	TM116	<0.009 M
1.3.5-Trimethylbenzene	<0.008	mg/kg	TM116	<0.008 #
4-Chlorotoluene	<0.012	mg/kg	TM116	<0.012 M
tert-Butylbenzene	<0.012	mg/kg	TM116	<0.012 #
1.2.4-Trimethylbenzene	<0.009	mg/kg	TM116	<0.009 #
sec-Butylbenzene	<0.01	mg/kg	TM116	<0.01 M
4-Isopropyltoluene	<0.011	mg/kg	TM116	<0.011 M
1.3-Dichlorobenzene	<0.006	mg/kg	TM116	<0.006 M
1.4-Dichlorobenzene	<0.005	mg/kg	TM116	<0.005 M
n-Butylbenzene	<0.01	mg/kg	TM116	<0.01 M
1.2-Dichlorobenzene	<0.012	mg/kg	TM116	<0.012 M
1.2-Dibromo-3-chloropropane	<0.014	mg/kg	TM116	<0.014 M
Tert-amyl methyl ether	<0.015	mg/kg	TM116	<0.015
1.2.4-Trichlorobenzene	<0.006	mg/kg	TM116	<0.006 #
Hexachlorobutadiene	<0.012	mg/kg	TM116	<0.012 M
Naphthalene	<0.013	mg/kg	TM116	<0.013 M
1.2.3-Trichlorobenzene	<0.006	mg/kg	TM116	<0.006 M

SDG:	100722-28	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91905

ASSOCIATED AQC DATA

Ammonium Soil by Titration

Component	Method Code	QC 15	QC 17
Exchangeable Ammonium as NH4	TM024	**89.60** 80.84 : 103.27	**97.42** 80.84 : 103.27

Boron Water Soluble

Component	Method Code	QC 11	QC 15	QC 12
Water Soluble Boron	TM222	**95.25** 82.59 : 112.64	**101.55** 82.59 : 112.64	**99.45** 82.59 : 112.64

EPH CWG (Aliphatic) GC (S)

Component	Method Code	QC 10
Total Aliphatics >C12-C35	TM173	**83.99** 55.20 : 114.58

EPH CWG (Aromatic) GC (S)

Component	Method Code	QC 10
Total Aromatics >EC12-EC35	TM173	**81.32** 54.00 : 123.00

Hexavalent Chromium (s)

Component	Method Code	QC 18	QC 16
Hexavalent Chromium	TM151	**101.20** 76.40 : 131.80	**101.80** 76.40 : 131.80

Metals by iCap-OES (Soil)

Component	Method Code	QC 14	QC 17	QC 14	QC 13	QC 14
Aluminium	TM181	**114.93** 95.21 : 133.11	**105.48** 95.21 : 133.11	**112.01** 95.21 : 133.11	**120.29** 95.21 : 133.11	**109.18** 95.21 : 133.11
Antimony	TM181	**111.40** 63.92 : 138.56	**89.75** 63.92 : 138.56	**94.73** 63.92 : 138.56	**90.17** 63.92 : 138.56	**108.11** 63.92 : 138.56
Arsenic	TM181	**105.94** 77.96 : 122.04	**95.78** 77.96 : 122.04	**107.06** 77.96 : 122.04	**96.12** 77.96 : 122.04	**97.33** 77.96 : 122.04
Barium	TM181	**111.31** 90.49 : 117.24	**98.48** 90.49 : 117.24	**105.63** 90.49 : 117.24	**108.86** 90.49 : 117.24	**103.38** 90.49 : 117.24
Beryllium	TM181	**105.88** 77.50 : 122.50	**88.62** 77.50 : 122.50	**94.67** 77.50 : 122.50	**91.44** 77.50 : 122.50	**106.24** 77.50 : 122.50
Boron	TM181	**104.30** 82.46 : 141.11	**93.82** 82.46 : 141.11	**114.68** 82.46 : 141.11	**126.41** 82.46 : 141.11	**105.28** 82.46 : 141.11

SDG:	100722-28	**Customer:**	Entec UK Ltd
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		QC 14	QC 17	QC 14	QC 13	QC 14
Cadmium	TM181	**106.33** 77.50 : 122.50	**88.04** 77.50 : 122.50	**93.77** 77.50 : 122.50	**90.69** 77.50 : 122.50	**104.80** 77.50 : 122.50
Chromium	TM181	**97.90** 82.90 : 117.10	**92.18** 82.90 : 117.10	**93.13** 82.90 : 117.10	**98.86** 82.90 : 117.10	**97.04** 82.90 : 117.10
Cobalt	TM181	**103.29** 78.26 : 121.74	**90.41** 78.26 : 121.74	**94.32** 78.26 : 121.74	**93.25** 78.26 : 121.74	**101.07** 78.26 : 121.74
Copper	TM181	**102.17** 86.52 : 113.48	**96.93** 86.52 : 113.48	**97.81** 86.52 : 113.48	**97.72** 86.52 : 113.48	**100.16** 86.52 : 113.48
Iron	TM181	**104.85** 93.59 : 123.28	**99.79** 93.59 : 123.28	**101.33** 93.59 : 123.28	**106.30** 93.59 : 123.28	**104.13** 93.59 : 123.28
Lead	TM181	**92.90** 81.22 : 118.78	**91.18** 81.22 : 118.78	**90.13** 81.22 : 118.78	**91.35** 81.22 : 118.78	**100.39** 81.22 : 118.78
Manganese	TM181	**92.13** 87.42 : 112.58	**91.68** 87.42 : 112.58	**91.15** 87.42 : 112.58	**94.84** 87.42 : 112.58	**97.52** 87.42 : 112.58
Mercury	TM181	**105.18** 72.27 : 127.73	**96.84** 72.27 : 127.73	**98.59** 72.27 : 127.73	**97.72** 72.27 : 127.73	**106.50** 72.27 : 127.73
Molybdenum	TM181	**111.35** 71.12 : 128.88	**84.05** 71.12 : 128.88	**91.92** 71.12 : 128.88	**87.38** 71.12 : 128.88	**106.25** 71.12 : 128.88
Nickel	TM181	**96.72** 81.27 : 118.73	**92.14** 81.27 : 118.73	**92.37** 81.27 : 118.73	**94.43** 81.27 : 118.73	**95.80** 81.27 : 118.73
Phosphorus	TM181	**96.86** 84.04 : 115.96	**96.06** 84.04 : 115.96	**99.45** 84.04 : 115.96	**98.11** 84.04 : 115.96	**98.06** 84.04 : 115.96
Selenium	TM181	**106.25** 72.61 : 127.39	**88.21** 72.61 : 127.39	**98.01** 72.61 : 127.39	**92.82** 72.61 : 127.39	**106.65** 72.61 : 127.39
Strontium	TM181	**95.22** 80.21 : 119.79	**99.37** 80.21 : 119.79	**98.41** 80.21 : 119.79	**101.64** 80.21 : 119.79	**97.15** 80.21 : 119.79
Thallium	TM181	**100.95** 73.04 : 126.96	**77.87** 73.04 : 126.96	**85.12** 73.04 : 126.96	**81.68** 73.04 : 126.96	**95.91** 73.04 : 126.96
Tin	TM181	**103.65** 71.55 : 128.45	**87.11** 71.55 : 128.45	**91.98** 71.55 : 128.45	**88.35** 71.55 : 128.45	**104.61** 71.55 : 128.45
Titanium	TM181	**105.44** 78.26 : 121.74	**86.98** 78.26 : 121.74	**112.29** 78.26 : 121.74	**125.73** 78.26 : 121.74	**100.48** 78.26 : 121.74
Vanadium	TM181	**100.78** 82.03 : 117.97	**99.57** 82.03 : 117.97	**99.80** 82.03 : 117.97	**104.13** 82.03 : 117.97	**99.10** 82.03 : 117.97
Zinc	TM181	**92.82** 77.50 : 122.50	**89.81** 77.50 : 122.50	**90.92** 77.50 : 122.50	**90.24** 77.50 : 122.50	**91.07** 77.50 : 122.50

PAH by GCMS

Component	Method Code	QC 10
Acenaphthene	TM218	**96.98** 71.41 : 116.50
Acenaphthylene	TM218	**86.55** 74.28 : 102.70
Anthracene	TM218	**93.34** 67.40 : 117.21
Benz(a)anthracene	TM218	**102.85** 66.80 : 125.05
Benzo(a)pyrene	TM218	**105.50** 69.15 : 119.77
Benzo(b)fluoranthene	TM218	**103.70** 70.01 : 124.88
Benzo(ghi)perylene	TM218	**98.48** 81.23 : 116.67
Benzo(k)fluoranthene	TM218	**100.27** 71.46 : 117.67

SDG:	100722-28	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
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Location:	KL056 DSDC Bicester	**Report No:**	91905

		QC 10
Chrysene	TM218	**99.48** 71.32 : 130.95
Dibenzo(ah)anthracene	TM218	**97.11** 81.17 : 118.65
Fluoranthene	TM218	**102.47** 69.52 : 118.84
Fluorene	TM218	**95.54** 71.38 : 111.04
Indeno(123cd)pyrene	TM218	**100.03** 80.81 : 118.96
Naphthalene	TM218	**93.61** 81.16 : 104.84
Phenanthrene	TM218	**100.11** 69.56 : 121.45
Pyrene	TM218	**101.02** 70.34 : 117.79

PCBs (vs Aroclor 1254)

Component	Method Code	QC 12
PCBs (vs Aroclor 1254)	TM070	**99.04** 75.18 : 122.16

pH

Component	Method Code	QC 19	QC 17	QC 15
pH	TM133	**101.25** 97.90 : 102.35	**100.25** 97.90 : 102.35	**100.38** 97.90 : 102.35

Semi Volatile Organic Compounds

Component	Method Code	QC 12
4-Bromophenylphenylether (Soil)	TM157	**104.59** 12.25 : 162.08
Benzo(a)anthracene (Soil)	TM157	**109.99** 38.70 : 146.05
Hexachlorobutadiene (Soil)	TM157	**105.03** 17.33 : 157.33
Naphthalene (Soil)	TM157	**106.70** 17.33 : 157.33
Nitrobenzene (Soil)	TM157	**104.47** 19.50 : 154.53
Phenol (Soil)	TM157	**105.58** 23.40 : 144.15

Total Organic Carbon

Component	Method Code	QC 17	QC 10	QC 10
Total Organic Carbon	TM132	**101.29** 88.75 : 104.70	**103.01** 88.75 : 104.70	**94.59** 88.75 : 104.70

Validated

ALcontrol Laboratories Analytical Services

SDG:	100722-28	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91905

TPH c6-40 Value of soil

Component	Method Code	QC 16	QC 16
Diesel QC	TM154	**104.41** 87.23 : 113.71	**93.69** 87.23 : 113.71
Lube Oil QC	TM154	**97.45** 88.71 : 110.56	**96.08** 88.71 : 110.56
TPH C6-40 Corrected	TM154	**100.93** 86.39 : 109.99	**94.89** 86.39 : 109.99

Water Soluble Sulphate 2:1

Component	Method Code	QC 15	QC 12
Soluble SO4	TM098	**85.83** 76.87 : 120.45	**101.46** 76.87 : 120.45

The above information details the reference name of the analytical quality control sample (AQC) that has been run with the samples contained in this report for the different methods of analysis.
The figure detailed is the percentage recovery result for the AQC.
The subscript numbers below are the percentage recovery lower control limit (LCL) and the upper control limit (UCL). The percentage recovery result for the AQC should be between these limits to be statistically in control.

Table of Results - Appendix

SDG Number : 100722-28 **Client :** Entec UK Ltd **Client Ref :** 26999

REPORT KEY

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03x10-7

NDP	No Determination Possible	#	ISO 17025 Accredited	*	Subcontracted Test	M	MCERTS Accredited
NFD	No Fibres Detected	PFD	Possible Fibres Detected	»	Result previously reported (Incremental reports only)	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control

Method No	Reference	Description	Wet/Dry Sample [1]
PM001		Preparation of Samples for Metals Analysis	Dry
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material	Wet
TM001	In - house Method	Determination of asbestos containing material by screening on solids	
TM024	Method 4500A & B, AWWA/APHA, 20th Ed., 1999	Determination of Exchangeable Ammonium and Ammoniacal Nitrogen as N by titration on solids	Wet
TM070	Modified: US EPA Method 8250 & 625	Determination of Total Polychlorinated Biphenyls (PCBÆs) as Aroclor 1254 by GC-MS in Soils	Dry
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	
TM098	Method 4500E, AWWA/APHA, 20th Ed., 1999	Determination of Sulphate using the Kone Analyser	Dry
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS	
TM132	In - house Method	ELTRA CS800 Operators Guide	Dry
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter	Wet
TM151	Method 3500D, AWWA/APHA, 20th Ed., 1999	Determination of Hexavalent Chromium using Kone analyser	Wet
TM154	In - house Method	Determination of Petroleum Hydrocarbons by EZ Flash GC-FID in the Carbon range C6- C40	Wet
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone	Wet
TM173	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID	Dry
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES	Dry
TM184	EPA Methods 325.1 & 325.2,	The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	Dry
TM218	Microwave extraction – EPA method 3546	Microwave extraction - EPA method 3546	Wet
TM222	In-House Method	Determination of Hot Water Soluble Boron in Soils (10:1 Water:soil) by IRIS Emission Spectrometer	Dry

[1] Applies to Solid samples only. DRY indicates samples have been dried at 35°C. NA = not applicable.

APPENDIX

APPENDIX

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA Leach tests, flash point, ammonium as NH_4 by the BRE method, VOC TICS, SVOC TICS, TOF-MS SCAN/SEARCH and TOF-MS TICS.
2. Samples will be run in duplicate upon request, but an additional charge may be incurred.
3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for both soil jars, tubs and volatile jars. All waters and vials will be discarded 10 days after the analysis is completed (e-mailed). All material removed during an asbestos containing material screen and analysed for the presence of asbestos will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.
4. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.
5. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.
6. When requested, the individual sub sample scheduled will be screened in house for the presence of large asbestos containing material fragments/pieces. If no asbestos containing material is found this will be reported as 'no asbestos containing material detected'. If asbestos containing material is detected it will be removed and analysed by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If asbestos containing material is present no further analysis will be undertaken. At no point is the fibre content of the soil sample determined.
7. If no separate volatile sample is supplied by the client, the integrity of the data may be compromised if the laboratory is required to create a sub-sample from the bulk sample – similarly, if a headspace or sediment is present in the volatile sample. This will be flagged up as an invalid VOC on the test schedule or recorded on the log sheet.
8. If appropriate preserved bottles are not received preservation will take place on receipt. However, the integrity of the data may be compromised.
9. NDP – No determination possible due to insufficient/unsuitable sample.
10. Metals in water are performed on a filtered sample, and therefore represent dissolved metals – total metals must be requested separately.
11. A table containing the date of analysis for each parameter is not routinely included with the report, but is available upon request.
12. Results relate only to the items tested
13. **Surrogate recoveries** – Most of our organic methods include surrogates, the recovery of which is monitored and reported. For EPH, MO, PAH, GRO and VOCs on soils the result is not surrogate corrected, but a percentage recovery is quoted. Acceptable limits for most organic methods are 70 – 130 %.
14. **Product analyses** – Organic analyses on products can only be semi-quantitative due to the matrix effects and high dilution factors employed.
15. Phenols monohydric by HPLC include phenol, cresols (2-Methylphenol, 3-Methylphenol and 4-Methylphenol) and Xylenols (2,3 Dimethylphenol, 2,4 Dimethylphenol, 2,5 Dimethylphenol, 2,6 Dimethylphenol, 3,4 Dimethyphenol, 3,5 Dimethylphenol).
16. Total of 5 speciated phenols by HPLC includes Phenol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 14).
17. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.
18. Our MCERTS accreditation for PAHs by GCMS applies to all product types apart from Kerosene, where naphthalene only is not accredited.
19. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.
19. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.
20. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.
21. For all leachate preparations (NRA, DIN, TCLP, BSEN 12457-1, 2, 3) volatile loss may occur, as we do not employ zero headspace extraction.
22. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials – whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.
23. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C4 – C10 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

LIQUID MATRICES EXTRACTION SUMMARY

ANALYSIS	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
PAH MS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
EPH	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
EPH CWG	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
MINERAL OIL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
PCB 7 CONGENERS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
PCB TOTAL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GS MS
SVOC	DCM	LIQUID/LIQUID SHAKE	GC MS
FREE SULPHUR	DCM	SOLID PHASE EXTRACTION	HPLC
PEST OCP/OPP	DCM	LIQUID/LIQUID SHAKE	GC MS
TRIAZINE HERBS	DCM	LIQUID/LIQUID SHAKE	GC MS
PHENOLS MS	DCM	SOLID PHASE EXTRACTION	GC MS
TPH by INFRA RED (IR)	TCE	LIQUID/LIQUID EXTRACTION	HPLC
MINERAL OIL by IR	TCE	LIQUID/LIQUID EXTRACTION	HPLC
GLYCOLS	NONE	DIRECT INJECTION	GC FID

SOLID MATRICES EXTRACTION SUMMARY

ANALYSIS	D/C OR WET	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
Solvent Extractable Matter	D&C	DCM	SOXTHERM	GRAVIMETRIC
Cyclohexane Ext. Matter	D&C	CYCLOHEXANE	SOXTHERM	GRAVIMETRIC
Thin Layer Chromatography	D&C	DCM	SOXTHERM	IATROSCAN
Elemental Sulphur	D&C	DCM	SOXTHERM	HPLC
Phenols by GCMS	WET	DCM	SOXTHERM	GC-MS
Herbicides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
Pesticides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
EPH (DRO)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Min oil)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Cleaned up)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH CWG by GC	D&C	HEXANE:ACETONE	END OVER END	GC-FID
PCB tot / PCB con	D&C	HEXANE:ACETONE	END OVER END	GC-MS
Polyaromatic Hydrocarbons (MS)	WET	HEXANE:ACETONE	Microwave TM218.	GC-MS
C8-C40 (C6-C40)EZ Flash	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Polyaromatic Hydrocarbons Rapid GC	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Semi Volatile Organic Compounds	WET	DCM:ACETONE	SONICATE	GC-MS

Identification of Asbestos in Bulk Materials

The results for asbestos identification for soil samples are obtained from possible Asbestos Containing Material, removed during the 'Screening of soils for Asbestos Containing Materials', which have been examined to determine the presence of asbestos fibres using Alcontrol Laboratories (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Visual Estimation Of Fibre Content.

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: -

Trace – Where only one or two asbestos fibres were identified.

Further guidance on typical asbestos fibre content of manufactured products can be found in MDHS 100.

The identification of asbestos containing materials falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

ALcontrol Laboratories

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Abbey Foregate
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Shropshire
SY2 5DE

Attention: Steve Dooley

CERTIFICATE OF ANALYSIS

Date:	02 August 2010		
Customer:	H_ENTEC_SHW-24		
Sample Delivery Group (SDG):	100723-15	**Report No.:**	91932
Your Reference:	26999		
Location:	KL056 DSDC Bicester		

We received 14 samples on Friday July 23, 2010 and 10 of these samples were scheduled for analysis which was completed on Thursday July 29, 2010. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

All chemical testing (unless subcontracted) is performed at ALcontrol Hawarden Laboratories.

Asbestos testing - we are not accredited for screening soil samples for asbestos fibres. We are only accredited to identify asbestos fibres in bulk material (ACM).

Approved By:

Iain Swinton

Operations Director - Land UK & Ireland

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Validated

ALcontrol Laboratories Analytical Services

SDG:	100723-15	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91932

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Sampled Date
1857891	WSA1	0.50 - 0.70	21/07/2010
1858022	WSA1	1.00 - 1.30	21/07/2010
1858062	WSA2	0.10 - 0.30	21/07/2010
1858288	WSA2	1.25 - 1.35	21/07/2010
1858312	WSA3	0.10 - 0.30	21/07/2010
1858332	WSA3	2.50 - 2.70	21/07/2010
1858380	WSE11	0.10 - 0.30	21/07/2010
1858410	WSE11	0.80 - 1.00	21/07/2010
1858445	WSE12	0.10 - 0.30	21/07/2010
1858493	WSE12	2.00 - 2.30	21/07/2010
1858520	WSE13	0.20 - 0.40	21/07/2010
1858543	WSE13	0.80 - 1.20	21/07/2010
1858555	WSE14	0.40 - 0.70	21/07/2010
1858572	WSE14	2.40 - 2.60	21/07/2010

Only received samples which have had analysis scheduled will be shown on the following pages.

Validated

ALcontrol Laboratories Analytical Services

SDG:	100723-15	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91932

SOLID

Results Legend

X Test

N No Determination Possible

		Lab Sample No(s)	1858022	1858022	1858288	1858288	1858312	1858312	1858332	1858332	1858380	1858380	1858410	1858410	1858445	1858445	1858445	1858493	1858493	1858520	1858520	1858555	1858555	1858555	Total
		Customer Sample Ref.	WSA1	WSA1	WSA2	WSA2	WSA3	WSA3	WSA3	WSA3	WSE11	WSE11	WSE11	WSE11	WSE12	WSE12	WSE12	WSE12	WSE12	WSE13	WSE13	WSE14	WSE14	WSE14	
		Depth (m)	1.00 - 1.30	1.00 - 1.30	1.25 - 1.35	1.25 - 1.35	0.10 - 0.30	0.10 - 0.30	2.50 - 2.70	2.50 - 2.70	0.10 - 0.30	0.10 - 0.30	0.80 - 1.00	0.80 - 1.00	0.10 - 0.30	0.10 - 0.30	0.10 - 0.30	2.00 - 2.30	2.00 - 2.30	0.20 - 0.40	0.20 - 0.40	0.40 - 0.70	0.40 - 0.70	0.40 - 0.70	
		Container	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	60g VOC	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	60g VOC		
Ammonium Soil by Titration		All	X		X		X		X				X		X			X		X		X			09
Asbestos Containing Material Screen		All									X				X							X			03
Asbestos Identification		All									X														01
Boron Water Soluble		All		X		X		X		X			X		X			X		X		X			09
EPH CWG (Aliphatic) GC (S)		All													X							X			02
EPH CWG (Aromatic) GC (S)		All													X							X			02
GRO BTEX MTBE GC (S)		All														X								X	02
Hexavalent Chromium (s)		All	X		X		X		X				X		X			X		X		X			09
Metals by iCap-OES (Soil)	Arsenic			X		X		X		X			X		X			X		X		X			09
	Cadmium			X		X		X		X			X		X			X		X		X			09
	Chromium			X		X		X		X			X		X			X		X		X			09
	Copper			X		X		X		X			X		X			X		X		X			09
	Lead			X		X		X		X			X		X			X		X		X			09
	Mercury			X		X		X		X			X		X			X		X		X			09
	Nickel			X		X		X		X			X		X			X		X		X			09
	Selenium			X		X		X		X			X		X			X		X		X			09
	Zinc			X		X		X		X			X		X			X		X		X			09
PAH by GCMS		All		X											X							X			03
PCBs (vs Aroclor 1254)		All													X							X			02
pH		All	X		X		X		X				X		X			X		X		X			09
Sample description		All		X		X		X		X			X		X			X		X		X			09
Semi Volatile Organic Compounds		All													X							X			02
Total Organic Carbon		All		X				X		X															03

Validated

ALcontrol Laboratories Analytical Services

SDG:	100723-15	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91932

		1858022		1858288		1858312		1858332		1858380		1858410		1858445			1858493		1858520		1858555			Total
		WSA1		WSA2		WSA3		WSA3		WSE11		WSE11		WSE12			WSE12		WSE13		WSE14			
		1.00 - 1.30		1.25 - 1.35		0.10 - 0.30		2.50 - 2.70		0.10 - 0.30		0.80 - 1.00		0.10 - 0.30			2.00 - 2.30		0.20 - 0.40		0.40 - 0.70			
		1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	60g VOC	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	60g VOC	
TPH c6-40 Value of soil	All				X				X									X						03
TPH CWG GC (S)	All														X							X		02
VOC MS (S)	All															X							X	02
Water Soluble Sulphate 2:1	All		X		X		X		X				X		X			X		X		X		09

Validated

ALcontrol Laboratories Analytical Services

SDG:	100723-15	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91932

Sample Descriptions

Grain Sizes:
<0.063mm very fine,
0.063mm - 0.1mm fine,
0.1mm - 2mm medium,
2mm - 10mm coarse,
>10mm very coarse

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Grain size	Inclusions
1858022	WSA1	1.00 - 1.30	Light Brown	Sandy Clay Loam	0.1 - 2 mm	Stones
1858288	WSA2	1.25 - 1.35	Light Brown	Sandy Clay	0.1 - 2 mm	Stones
1858312	WSA3	0.10 - 0.30	Dark Brown	Clay Loam	<0.063 mm	Stones
1858332	WSA3	2.50 - 2.70	Dark Brown	Silty Clay Loam	<0.063 mm	N/A
1858410	WSE11	0.80 - 1.00	Light Brown	Sandy Loam	0.063 - 0.1 mm	N/A
1858445	WSE12	0.10 - 0.30	Light Brown	Sandy Clay	0.1 - 2 mm	Stones
1858493	WSE12	2.00 - 2.30	Dark Brown	Clay	<0.063 mm	None
1858520	WSE13	0.20 - 0.40	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones
1858555	WSE14	0.40 - 0.70	Dark Brown	Loamy Sand	0.1 - 2 mm	Stones

These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally ocurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Validated

ALcontrol Laboratories Analytical Services

SDG:	100723-15	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91932

Test Completion dates

SDG reference: 100723-15

Lab Sample No(s)	1858022	1858288	1858312	1858332	1858380	1858410	1858445	1858493	1858520	1858555
Customer Sample Ref.	WSA1	WSA2	WSA3	WSA3	WSE11	WSE11	WSE12	WSE12	WSE13	WSE14
Depth	1.00 - 1.30	1.25 - 1.35	0.10 - 0.30	2.50 - 2.70	0.10 - 0.30	0.80 - 1.00	0.10 - 0.30	2.00 - 2.30	0.20 - 0.40	0.40 - 0.70
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Ammonium Soil by Titration	27/07/2010	27/07/2010	27/07/2010	27/07/2010		27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010
Asbestos Containing Material Screen					23/07/2010		23/07/2010			23/07/2010
Asbestos Identification					26/07/2010					
Boron Water Soluble	27/07/2010	27/07/2010	27/07/2010	27/07/2010		27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010
EPH CWG (Aliphatic) GC (S)							27/07/2010			27/07/2010
EPH CWG (Aromatic) GC (S)							27/07/2010			27/07/2010
GRO by GC-FID (S)							29/07/2010			29/07/2010
Hexavalent Chromium (s)	27/07/2010	27/07/2010	27/07/2010	27/07/2010		27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010
Metals by iCap-OES (Soil)	27/07/2010	27/07/2010	27/07/2010	27/07/2010		27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010
PAH by GCMS	27/07/2010						27/07/2010			28/07/2010
PCBs (vs Aroclor 1254)							29/07/2010			29/07/2010
pH	27/07/2010	27/07/2010	27/07/2010	27/07/2010		27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010
Sample description	26/07/2010	23/07/2010	23/07/2010	23/07/2010		23/07/2010	26/07/2010	26/07/2010	26/07/2010	23/07/2010
Semi Volatile Organic Compounds							27/07/2010			27/07/2010
Total Organic Carbon	27/07/2010		27/07/2010	27/07/2010						
TPH c6-40 Value of soil		29/07/2010		29/07/2010				28/07/2010		
TPH CWG GC (S)							29/07/2010			29/07/2010
VOC MS (S)							27/07/2010			27/07/2010
Water Soluble Sulphate 2:1	27/07/2010	27/07/2010	28/07/2010	28/07/2010		28/07/2010	27/07/2010	27/07/2010	27/07/2010	28/07/2010

Validated

ALcontrol Laboratories Analytical Services

SDG	100723-15	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91932

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSA1	WSA2	WSA3	WSA3	WSE11	WSE11
			Depth (m)	1.00 - 1.30	1.25 - 1.35	0.10 - 0.30	2.50 - 2.70	0.10 - 0.30	0.80 - 1.00
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010	21/07/2010
			Date Received	23/07/2010	23/07/2010	23/07/2010	23/07/2010	23/07/2010	23/07/2010
			SDG Ref	100723-15	100723-15	100723-15	100723-15	100723-15	100723-15
			Lab Sample No.(s)	1858022	1858288	1858312	1858332	1858380	1858410
Asbestos Containing Material Screen	-	TM001						Possible ACM	
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024		<15 M	<15 M	<15 M	<15 M		<15 M
Sulphate, 2:1 water soluble	<0.003 g/l	TM098		0.0404 M	0.0473 M	1.13 M	1.63 M		0.0166 M
Soil Organic Matter (SOM)	<0.35 %	TM132		0.381 #		1.65 #	2.02 #		
pH	1 pH Units	TM133		8.4 M	8.57 M	6.85 M	7.51 M		7.66 M
Chromium, Hexavalent	<0.6 mg/kg	TM151		<0.6 #	<0.6 #	<0.6 #	<0.6 #		<0.6 #
TPH >C6-C8	<10 mg/kg	TM154			<10		<10		
TPH >C8-C10	<10 mg/kg	TM154			<10		<10		
TPH >C10-C12	<10 mg/kg	TM154			<10		<10		
TPH >C12-C16	<10 mg/kg	TM154			<10		<10		
TPH >C16-C21	<10 mg/kg	TM154			<10		<10		
TPH >C21-C40	<10 mg/kg	TM154			<10		19.7		
TPH >C6-C40	<10 mg/kg	TM154			<10 #		19.7 #		
Arsenic	<0.6 mg/kg	TM181		13.9 M	21 M	15.6 M	4.85 M		8.96 M
Cadmium	<0.02 mg/kg	TM181		0.257 M	0.235 M	0.464 M	0.194 M		0.298 M
Chromium	<0.9 mg/kg	TM181		18.4 M	15.7 M	51.2 M	34.4 M		20 M
Copper	<1.4 mg/kg	TM181		11.4 M	15.9 M	16.6 M	12.6 M		10.8 M
Lead	<0.7 mg/kg	TM181		9.42 M	11.3 M	19.2 M	9.58 M		21.6 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M		<0.14 M
Nickel	<0.2 mg/kg	TM181		25.7 M	31 M	36 M	19.4 M		15.8 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	1.39 #	1.31 #		<1 #
Zinc	<1.9 mg/kg	TM181		51.2 M	56.9 M	108 M	41.9 M		47.5 M
Boron, water soluble	<1 mg/kg	TM222		<1 M	<1 M	2.37 M	5.16 M		<1 M

ALcontrol Laboratories Analytical Services

SDG	100723-15	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91932

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSA1
Depth (m)	1.00 - 1.30
Sample Type	Soil/Solid
Date Sampled	21/07/2010
Date Received	23/07/2010
SDG Ref	100723-15
Lab Sample No.(s)	1858022

Component	LOD/Units	Method	
Naphthalene-d8 % recovery**	%	TM218	93.7
Acenaphthene-d10 % recovery**	%	TM218	94
Phenanthrene-d10 % recovery**	%	TM218	94.3
Chrysene-d12 % recovery**	%	TM218	91.8
Perylene-d12 % recovery**	%	TM218	92.7
Naphthalene	<0.009 mg/kg	TM218	<0.009 M
Acenaphthylene	<0.012 mg/kg	TM218	<0.012 M
Acenaphthene	<0.008 mg/kg	TM218	<0.008 M
Fluorene	<0.01 mg/kg	TM218	<0.01 M
Phenanthrene	<0.015 mg/kg	TM218	<0.015 M
Anthracene	<0.016 mg/kg	TM218	<0.016 M
Fluoranthene	<0.017 mg/kg	TM218	<0.017 M
Pyrene	<0.015 mg/kg	TM218	<0.015 M
Benz(a)anthracene	<0.014 mg/kg	TM218	<0.014 M
Chrysene	<0.01 mg/kg	TM218	<0.01 M
Benzo(b)fluoranthene	<0.015 mg/kg	TM218	<0.015 M
Benzo(k)fluoranthene	<0.014 mg/kg	TM218	<0.014 M
Benzo(a)pyrene	<0.015 mg/kg	TM218	<0.015 M
Indeno(1,2,3-cd)pyrene	<0.018 mg/kg	TM218	<0.018 M
Dibenzo(a,h)anthracene	<0.023 mg/kg	TM218	<0.023 M
Benzo(g,h,i)perylene	<0.024 mg/kg	TM218	<0.024 M
Polyaromatic hydrocarbons, Total USEPA 16	<0.118 mg/kg	TM218	<0.118 M

Validated

ALcontrol Laboratories Analytical Services

SDG	100723-15	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91932

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSE12	WSE12	WSE13	WSE14
			Depth (m)	0.10 - 0.30	2.00 - 2.30	0.20 - 0.40	0.40 - 0.70
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	21/07/2010	21/07/2010	21/07/2010	21/07/2010
			Date Received	23/07/2010	23/07/2010	23/07/2010	23/07/2010
			SDG Ref	100723-15	100723-15	100723-15	100723-15
			Lab Sample No.(s)	1858445	1858493	1858520	1858555
Asbestos Containing Material Screen	-	TM001		No ACM Detected			No ACM Detected
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024		<15 M	<15 M	<15 M	<15 M
Sulphate, 2:1 water soluble	<0.003 g/l	TM098		0.103 M	1.73 M	0.0209 M	0.274 M
pH	1 pH Units	TM133		8.44 M	4.09 M	7.76 M	4.89 M
Chromium, Hexavalent	<0.6 mg/kg	TM151		<0.6 #	<0.6 #	<0.6 #	<1.2 #
TPH >C6-C8	<10 mg/kg	TM154			<10		
TPH >C8-C10	<10 mg/kg	TM154			<10		
TPH >C10-C12	<10 mg/kg	TM154			<10		
TPH >C12-C16	<10 mg/kg	TM154			<10		
TPH >C16-C21	<10 mg/kg	TM154			<10		
TPH >C21-C40	<10 mg/kg	TM154			209		
TPH >C6-C40	<10 mg/kg	TM154			227 #		
Arsenic	<0.6 mg/kg	TM181		15.4 M	3.53 M	357 M	9.18 M
Cadmium	<0.02 mg/kg	TM181		0.265 M	0.0799 M	3.58 M	0.631 M
Chromium	<0.9 mg/kg	TM181		32.2 M	33.8 M	83.8 M	37.2 M
Copper	<1.4 mg/kg	TM181		21.5 M	29 M	351 M	281 M
Lead	<0.7 mg/kg	TM181		30.6 M	12.6 M	423 M	34.6 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		23.6 M	10.2 M	115 M	73.2 M
Selenium	<1 mg/kg	TM181		1.77 #	1.46 #	24.5 #	1.29 #
Zinc	<1.9 mg/kg	TM181		74.1 M	22.2 M	279 M	169 M
Boron, water soluble	<1 mg/kg	TM222		1.55 M	1.64 M	6.91 M	<1 M

Validated

ALcontrol Laboratories Analytical Services

SDG	100723-15	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91932

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSE12	WSE14
			Depth (m)	0.10 - 0.30	0.40 - 0.70
			Sample Type	Soil/Solid	Soil/Solid
			Date Sampled	21/07/2010	21/07/2010
			Date Received	23/07/2010	23/07/2010
			SDG Ref	100723-15	100723-15
			Lab Sample No.(s)	1858445	1858555
Naphthalene-d8 % recovery**	%	TM218		94	98.2
Acenaphthene-d10 % recovery**	%	TM218		93.9	105
Phenanthrene-d10 % recovery**	%	TM218		95	99.9
Chrysene-d12 % recovery**	%	TM218		92	70.7
Perylene-d12 % recovery**	%	TM218		94	61.6
Naphthalene	<0.009 mg/kg	TM218		0.0408 M	0.104 M
Acenaphthylene	<0.012 mg/kg	TM218		<0.012 M	0.0124 M
Acenaphthene	<0.008 mg/kg	TM218		0.0129 M	<0.008 M
Fluorene	<0.01 mg/kg	TM218		<0.01 M	<0.01 M
Phenanthrene	<0.015 mg/kg	TM218		0.294 M	0.159 M
Anthracene	<0.016 mg/kg	TM218		0.0364 M	0.0188 M
Fluoranthene	<0.017 mg/kg	TM218		0.434 M	0.0813 M
Pyrene	<0.015 mg/kg	TM218		0.343 M	0.069 M
Benz(a)anthracene	<0.014 mg/kg	TM218		0.246 M	0.0361 M
Chrysene	<0.01 mg/kg	TM218		0.252 M	0.0443 M
Benzo(b)fluoranthene	<0.015 mg/kg	TM218		0.319 M	0.0452 M
Benzo(k)fluoranthene	<0.014 mg/kg	TM218		0.128 M	<0.014 M
Benzo(a)pyrene	<0.015 mg/kg	TM218		0.221 M	0.024 M
Indeno(1,2,3-cd)pyrene	<0.018 mg/kg	TM218		0.121 M	<0.018 M
Dibenzo(a,h)anthracene	<0.023 mg/kg	TM218		0.0393 M	<0.023 M
Benzo(g,h,i)perylene	<0.024 mg/kg	TM218		0.159 M	<0.024 M
Polyaromatic hydrocarbons, Total USEPA 16	<0.118 mg/kg	TM218		2.65 M	0.593 M

Validated

ALcontrol Laboratories Analytical Services

SDG	100723-15	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91932

PCBs (vs Aroclor 1254)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSE12	WSE14
Depth (m)	0.10 - 0.30	0.40 - 0.70
Sample Type	Soil/Solid	Soil/Solid
Date Sampled	21/07/2010	21/07/2010
Date Received	23/07/2010	23/07/2010
SDG Ref	100723-15	100723-15
Lab Sample No.(s)	1858445	1858555

Component	LOD/Units	Method		
PCBs (vs Aroclor 1254)	<0.035 mg/kg	TM070	<0.035 #	<0.035 #

SDG	100723-15	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91932

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSE12	WSE14
			Depth (m)	0.10 - 0.30	0.40 - 0.70
			Sample Type	Soil/Solid	Soil/Solid
			Date Sampled	21/07/2010	21/07/2010
			Date Received	23/07/2010	23/07/2010
			SDG Ref	100723-15	100723-15
			Lab Sample No.(s)	1858445	1858555
Phenol	<0.1 mg/kg	TM157		<0.1	<0.1
Pentachlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1
n-Nitroso-n-dipropylamine	<0.1 mg/kg	TM157		<0.1	<0.1
Nitrobenzene	<0.1 mg/kg	TM157		<0.1	<0.1
Isophorone	<0.1 mg/kg	TM157		<0.1	<0.1
Hexachloroethane	<0.1 mg/kg	TM157		<0.1	<0.1
Hexachlorocyclopentadiene	<0.1 mg/kg	TM157		<0.1	<0.1
Hexachlorobutadiene	<0.1 mg/kg	TM157		<0.1	<0.1
Hexachlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1
n-Dioctyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1
Dimethyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1
Diethyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1
n-Dibutyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1
Dibenzofuran	<0.1 mg/kg	TM157		<0.1	<0.1
Carbazole	<0.1 mg/kg	TM157		<0.1	<0.1
Butylbenzyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1
bis(2-Ethylhexyl) phthalate	<0.1 mg/kg	TM157		<0.1	<0.1
bis(2-Chloroethoxy)methane	<0.1 mg/kg	TM157		<0.1	<0.1
bis(2-Chloroethyl)ether	<0.1 mg/kg	TM157		<0.1	<0.1
Azobenzene	<0.1 mg/kg	TM157		<0.1	<0.1
4-Nitrophenol	<0.1 mg/kg	TM157		<0.1	<0.1
4-Nitroaniline	<0.1 mg/kg	TM157		<0.1	<0.1
4-Methylphenol	<0.1 mg/kg	TM157		<0.1	<0.1
4-Chlorophenylphenylether	<0.1 mg/kg	TM157		<0.1	<0.1
4-Chloroaniline	<0.1 mg/kg	TM157		<0.1	<0.1
4-Chloro-3-methylphenol	<0.1 mg/kg	TM157		<0.1	<0.1
4-Bromophenylphenylether	<0.1 mg/kg	TM157		<0.1	<0.1
3-Nitroaniline	<0.1 mg/kg	TM157		<0.1	<0.1
2-Nitrophenol	<0.1 mg/kg	TM157		<0.1	<0.1
2-Nitroaniline	<0.1 mg/kg	TM157		<0.1	<0.1
2-Methylphenol	<0.1 mg/kg	TM157		<0.1	<0.1
1,2,4-Trichlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1
2-Chlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1
2,6-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1	<0.1
2,4-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1	<0.1
2,4-Dimethylphenol	<0.1 mg/kg	TM157		<0.1	<0.1
2,4-Dichlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1
2,4,6-Trichlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1
2,4,5-Trichlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1

ALcontrol Laboratories Analytical Services

SDG	100723-15	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91932

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSE12	WSE14
			Depth (m)	0.10 - 0.30	0.40 - 0.70
			Sample Type	Soil/Solid	Soil/Solid
			Date Sampled	21/07/2010	21/07/2010
			Date Received	23/07/2010	23/07/2010
			SDG Ref	100723-15	100723-15
			Lab Sample No.(s)	1858445	1858555
1,4-Dichlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1
1,3-Dichlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1
1,2-Dichlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1
2-Chloronaphthalene	<0.1 mg/kg	TM157		<0.1	<0.1
2-Methylnaphthalene	<0.1 mg/kg	TM157		0.18	0.114
Acenaphthylene	<0.1 mg/kg	TM157		<0.1	<0.1
Acenaphthene	<0.1 mg/kg	TM157		<0.1	<0.1
Anthracene	<0.1 mg/kg	TM157		<0.1	<0.1
Benzo(a)anthracene	<0.1 mg/kg	TM157		0.402	<0.1
Benzo(b)fluoranthene	<0.1 mg/kg	TM157		0.313	<0.1
Benzo(k)fluoranthene	<0.1 mg/kg	TM157		0.403	<0.1
Benzo(a)pyrene	<0.1 mg/kg	TM157		0.513	<0.1
Benzo(g,h,i)perylene	<0.1 mg/kg	TM157		0.25	<0.1
Chrysene	<0.1 mg/kg	TM157		0.545	<0.1
Fluoranthene	<0.1 mg/kg	TM157		0.863	<0.1
Fluorene	<0.1 mg/kg	TM157		<0.1	<0.1
Indeno(1,2,3-cd)pyrene	<0.1 mg/kg	TM157		0.238	<0.1
Phenanthrene	<0.1 mg/kg	TM157		0.701	0.147
Pyrene	<0.1 mg/kg	TM157		0.756	<0.1
Naphthalene	<0.1 mg/kg	TM157		<0.1	<0.1
Dibenzo(a,h)anthracene	<0.1 mg/kg	TM157		<0.1	<0.1

Validated

ALcontrol Laboratories Analytical Services

SDG	100723-15	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91932

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSE12	WSE14
Depth (m)	0.10 - 0.30	0.40 - 0.70
Sample Type	Soil/Solid	Soil/Solid
Date Sampled	21/07/2010	21/07/2010
Date Received	23/07/2010	23/07/2010
SDG Ref	100723-15	100723-15
Lab Sample No.(s)	1858445	1858555

Component	LOD/Units	Method		
GRO Surrogate % recovery**	%	TM089	47	34
GRO >C5-C12	<0.044 mg/kg	TM089	<0.044	<0.044
Benzene	<0.01 mg/kg	TM089	<0.01 M	<0.01 M
Ethylbenzene	<0.003 mg/kg	TM089	<0.003 M	<0.003 M
Toluene	<0.002 mg/kg	TM089	<0.002 M	<0.002 M
m,p-Xylene	<0.006 mg/kg	TM089	<0.006 M	<0.006 M
o-Xylene	<0.003 mg/kg	TM089	<0.003 M	<0.003 M
m,p,o-Xylene	<0.01 mg/kg	TM089	<0.01 M	<0.01 M
BTEX, Total	<0.01 mg/kg	TM089	<0.01 M	<0.01 M
Methyl tertiary butyl ether (MTBE)	<0.005 mg/kg	TM089	<0.005 #	<0.005 #
Aliphatics >C5-C6	<0.01 mg/kg	TM089	<0.01	<0.01
Aliphatics >C6-C8	<0.01 mg/kg	TM089	<0.01	<0.01
Aliphatics >C8-C10	<0.01 mg/kg	TM089	<0.01	<0.01
Aliphatics >C10-C12	<0.01 mg/kg	TM089	<0.01	<0.01
Aromatics >C6-C7	<0.01 mg/kg	TM089	<0.01	<0.01
Aromatics >C7-C8	<0.01 mg/kg	TM089	<0.01	<0.01
Aromatics >EC8-EC10	<0.01 mg/kg	TM089	<0.01	<0.01
Aromatics >EC10-EC12	<0.01 mg/kg	TM089	<0.01	<0.01
Total Aliphatics >C5-C12	<0.01 mg/kg	TM089	<0.01	<0.01
Total Aromatics >C6-C12	<0.01 mg/kg	TM089	<0.01	<0.01
Aliphatics >C12-C16	<0.1 mg/kg	TM173	12.5	18.1
Aliphatics >C16-C21	<0.1 mg/kg	TM173	8.54	5.96
Aliphatics >C16-C35	<0.1 mg/kg	TM173	44.6	19.5
Aliphatics >C21-C35	<0.1 mg/kg	TM173	36.1	13.6
Aliphatics >C35-C44	<0.1 mg/kg	TM173	10.4	<0.1
Aromatics >EC12-EC16	<0.1 mg/kg	TM173	24.4	6.1
Aromatics >EC16-EC21	<0.1 mg/kg	TM173	40.7	6.32
Aromatics >EC21-EC35	<0.1 mg/kg	TM173	97	11.4
Aromatics >EC35-EC44	<0.1 mg/kg	TM173	31.7	5.96
Aromatics >EC40-EC44	<0.1 mg/kg	TM173	11.9	1.94
Total Aliphatics >C12-C44	<0.1 mg/kg	TM173	67.5	37.6
Total Aromatics >EC12-EC44	<0.1 mg/kg	TM173	194	29.8
Total Aliphatics >C5-35	<0.1 mg/kg	TM173	57.2	37.6
Total Aliphatics >C5-C44	<0.1 mg/kg	TM173	67.5	37.6
Total Aromatics >C5-35	<0.1 mg/kg	TM173	162	23.8
Total Aromatics >C6-C44	<0.1 mg/kg	TM173	194	29.8
Total Aliphatics & Aromatics >C5-35	<0.1 mg/kg	TM173	219	61.4
Total Aliphatics & Aromatics >C5-C44	<0.1 mg/kg	TM173	261	67.4

ALcontrol Laboratories Analytical Services

SDG	100723-15	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91932

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSE12	WSE14
			Depth (m)	0.10 - 0.30	0.40 - 0.70
			Sample Type	Soil/Solid	Soil/Solid
			Date Sampled	21/07/2010	21/07/2010
			Date Received	23/07/2010	23/07/2010
			SDG Ref	100723-15	100723-15
			Lab Sample No.(s)	1858445	1858555
Dibromofluoromethane**	%	TM116		86.2	104
Toluene-d8**	%	TM116		99.6	98.6
4-Bromofluorobenzene**	%	TM116		119	114
Dichlorodifluoromethane	<0.004 mg/kg	TM116		<0.004 M	<0.004 M
Chloromethane	<0.007 mg/kg	TM116		<0.007 #	<0.007 #
Vinyl Chloride	<0.01 mg/kg	TM116		<0.01 #	<0.01 #
Bromomethane	<0.013 mg/kg	TM116		<0.013 M	<0.013 M
Chloroethane	<0.014 mg/kg	TM116		<0.014 M	<0.014 M
Trichlorofluorormethane	<0.006 mg/kg	TM116		<0.006 M	<0.006 M
1.1-Dichloroethene	<0.01 mg/kg	TM116		<0.01 #	<0.01 #
Carbon Disulphide	<0.007 mg/kg	TM116		<0.007 M	<0.007 M
Dichloromethane	<0.01 mg/kg	TM116		<0.01 #	<0.01 #
Methyl Tertiary Butyl Ether	<0.011 mg/kg	TM116		<0.011 M	<0.011 M
trans-1-2-Dichloroethene	<0.011 mg/kg	TM116		<0.011 M	<0.011 M
1.1-Dichloroethane	<0.008 mg/kg	TM116		<0.008 M	<0.008 M
cis-1-2-Dichloroethene	<0.005 mg/kg	TM116		<0.005 M	<0.005 M
2.2-Dichloropropane	<0.012 mg/kg	TM116		<0.012 M	<0.012 M
Bromochloromethane	<0.014 mg/kg	TM116		<0.014 M	<0.014 M
Chloroform	<0.008 mg/kg	TM116		<0.008 M	<0.008 M
1.1.1-Trichloroethane	<0.007 mg/kg	TM116		<0.007 M	<0.007 M
1.1-Dichloropropene	<0.011 mg/kg	TM116		<0.011 M	<0.011 M
Carbontetrachloride	<0.014 mg/kg	TM116		<0.014 M	<0.014 M
1.2-Dichloroethane	<0.005 mg/kg	TM116		<0.005 M	<0.005 M
Benzene	<0.009 mg/kg	TM116		<0.009 M	<0.009 M
Trichloroethene	<0.009 mg/kg	TM116		<0.009 M	<0.009 M
1.2-Dichloropropane	<0.012 mg/kg	TM116		<0.012 M	<0.012 M
Dibromomethane	<0.009 mg/kg	TM116		<0.009 M	<0.009 M
Bromodichloromethane	<0.007 mg/kg	TM116		<0.007 M	<0.007 M
cis-1-3-Dichloropropene	<0.014 mg/kg	TM116		<0.014 M	<0.014 M
Toluene	<0.005 mg/kg	TM116		<0.005 M	<0.005 M
trans-1-3-Dichloropropene	<0.014 mg/kg	TM116		<0.014	<0.014
1.1.2-Trichloroethane	<0.01 mg/kg	TM116		<0.01 M	<0.01 M
1.3-Dichloropropane	<0.007 mg/kg	TM116		<0.007 #	<0.007 #
Tetrachloroethene	<0.005 mg/kg	TM116		<0.005 M	<0.005 M
Dibromochloromethane	<0.013 mg/kg	TM116		<0.013 M	<0.013 M
1.2-Dibromoethane	<0.012 mg/kg	TM116		<0.012 M	<0.012 M
Chorobenzene	<0.005 mg/kg	TM116		<0.005 M	<0.005 M
1.1.1.2-Tetrachloroethane	<0.01 mg/kg	TM116		<0.01 M	<0.01 M
Ethylbenzene	<0.004 mg/kg	TM116		<0.004 M	<0.004 M

ALcontrol Laboratories Analytical Services

SDG	100723-15	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	91932

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSE12	WSE14
			Depth (m)	0.10 - 0.30	0.40 - 0.70
			Sample Type	Soil/Solid	Soil/Solid
			Date Sampled	21/07/2010	21/07/2010
			Date Received	23/07/2010	23/07/2010
			SDG Ref	100723-15	100723-15
			Lab Sample No.(s)	1858445	1858555
p/m-Xylene	<0.014 mg/kg	TM116		<0.014 #	<0.014 #
o-Xylene	<0.01 mg/kg	TM116		<0.01 M	<0.01 M
Styrene	<0.01 mg/kg	TM116		<0.01 M	<0.01 M
Bromoform	<0.01 mg/kg	TM116		<0.01 M	<0.01 M
Isopropylbenzene	<0.005 mg/kg	TM116		<0.005 M	<0.005 M
1.1.2.2-Tetrachloroethane	<0.01 mg/kg	TM116		<0.01 #	<0.01 #
1.2.3-Trichloropropane	<0.017 mg/kg	TM116		<0.017 M	<0.017 M
Bromobenzene	<0.01 mg/kg	TM116		<0.01 M	<0.01 M
Propylbenzene	<0.011 mg/kg	TM116		<0.011 M	<0.011 M
2-Chlorotoluene	<0.009 mg/kg	TM116		<0.009 M	<0.009 M
1.3.5-Trimethylbenzene	<0.008 mg/kg	TM116		<0.008 #	<0.008 #
4-Chlorotoluene	<0.012 mg/kg	TM116		<0.012 M	<0.012 M
tert-Butylbenzene	<0.012 mg/kg	TM116		<0.012 #	<0.012 #
1.2.4-Trimethylbenzene	<0.009 mg/kg	TM116		<0.009 #	<0.009 #
sec-Butylbenzene	<0.01 mg/kg	TM116		<0.01 M	<0.01 M
4-Isopropyltoluene	<0.011 mg/kg	TM116		<0.011 M	<0.011 M
1.3-Dichlorobenzene	<0.006 mg/kg	TM116		<0.006 M	<0.006 M
1.4-Dichlorobenzene	<0.005 mg/kg	TM116		<0.005 M	<0.005 M
n-Butylbenzene	<0.01 mg/kg	TM116		<0.01 M	<0.01 M
1.2-Dichlorobenzene	<0.012 mg/kg	TM116		<0.012 M	<0.012 M
1.2-Dibromo-3-chloropropane	<0.014 mg/kg	TM116		<0.014 M	<0.014 M
Tert-amyl methyl ether	<0.015 mg/kg	TM116		<0.015	<0.015
1.2.4-Trichlorobenzene	<0.006 mg/kg	TM116		<0.006 #	<0.006 #
Hexachlorobutadiene	<0.012 mg/kg	TM116		<0.012 M	<0.012 M
Naphthalene	<0.013 mg/kg	TM116		<0.013 M	<0.013 M
1.2.3-Trichlorobenzene	<0.006 mg/kg	TM116		<0.006 M	<0.006 M

SDG	100723-15	**Customer:**	Entec UK Ltd
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ASSOCIATED AQC DATA

Ammonium Soil by Titration

Component	Method Code	QC 17
Exchangeable Ammonium as NH4	TM024	**97.42** 80.84 : 103.27

Boron Water Soluble

Component	Method Code	QC 12	QC 16	QC 12
Water Soluble Boron	TM222	**99.45** 82.59 : 112.64	**97.70** 82.59 : 112.64	**95.75** 82.59 : 112.64

EPH CWG (Aliphatic) GC (S)

Component	Method Code	QC 11	QC 19
Total Aliphatics >C12-C35	TM173	**78.74** 66.13 : 101.56	**68.23** 60.00 : 116.88

EPH CWG (Aromatic) GC (S)

Component	Method Code	QC 11	QC 19
Total Aromatics >EC12-EC35	TM173	**83.11** 64.00 : 112.00	**104.50** 64.98 : 117.66

Hexavalent Chromium (s)

Component	Method Code	QC 10
Hexavalent Chromium	TM151	**109.00** 76.40 : 131.80

Metals by iCap-OES (Soil)

Component	Method Code	QC 19	QC 14	QC 10
Aluminium	TM181	**107.24** 95.21 : 133.11	**109.18** 95.21 : 133.11	**115.51** 95.21 : 133.11
Antimony	TM181	**108.62** 63.92 : 138.56	**108.11** 63.92 : 138.56	**91.90** 63.92 : 138.56
Arsenic	TM181	**109.04** 77.96 : 122.04	**97.33** 77.96 : 122.04	**95.52** 77.96 : 122.04
Barium	TM181	**101.71** 90.49 : 117.24	**103.38** 90.49 : 117.24	**111.11** 90.49 : 117.24
Beryllium	TM181	**107.07** 77.50 : 122.50	**106.24** 77.50 : 122.50	**93.48** 77.50 : 122.50
Boron	TM181	**105.37** 82.46 : 141.11	**105.28** 82.46 : 141.11	**114.95** 82.46 : 141.11

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		QC 19	QC 14	QC 10
Cadmium	TM181	**106.22** 77.50 : 122.50	**104.80** 77.50 : 122.50	**90.62** 77.50 : 122.50
Chromium	TM181	**93.80** 82.90 : 117.10	**97.04** 82.90 : 117.10	**97.28** 82.90 : 117.10
Cobalt	TM181	**103.11** 78.26 : 121.74	**101.07** 78.26 : 121.74	**93.69** 78.26 : 121.74
Copper	TM181	**96.99** 86.52 : 113.48	**100.16** 86.52 : 113.48	**101.08** 86.52 : 113.48
Iron	TM181	**101.33** 93.59 : 123.28	**104.13** 93.59 : 123.28	**104.49** 93.59 : 123.28
Lead	TM181	**91.96** 81.22 : 118.78	**100.39** 81.22 : 118.78	**92.46** 81.22 : 118.78
Manganese	TM181	**91.22** 87.42 : 112.58	**97.52** 87.42 : 112.58	**95.89** 87.42 : 112.58
Mercury	TM181	**101.93** 72.27 : 127.73	**106.50** 72.27 : 127.73	**97.98** 72.27 : 127.73
Molybdenum	TM181	**105.31** 71.12 : 128.88	**106.25** 71.12 : 128.88	**91.26** 71.12 : 128.88
Nickel	TM181	**90.53** 81.27 : 118.73	**95.80** 81.27 : 118.73	**96.11** 81.27 : 118.73
Phosphorus	TM181	**97.05** 84.04 : 115.96	**98.06** 84.04 : 115.96	**98.28** 84.04 : 115.96
Selenium	TM181	**104.74** 72.61 : 127.39	**106.65** 72.61 : 127.39	**101.61** 72.61 : 127.39
Strontium	TM181	**95.99** 80.21 : 119.79	**97.15** 80.21 : 119.79	**99.03** 80.21 : 119.79
Thallium	TM181	**99.88** 73.04 : 126.96	**95.91** 73.04 : 126.96	**85.02** 73.04 : 126.96
Tin	TM181	**103.65** 71.55 : 128.45	**104.61** 71.55 : 128.45	**89.70** 71.55 : 128.45
Titanium	TM181	**100.75** 78.26 : 121.74	**100.48** 78.26 : 121.74	**109.68** 78.26 : 121.74
Vanadium	TM181	**98.21** 82.03 : 117.97	**99.10** 82.03 : 117.97	**99.10** 82.03 : 117.97
Zinc	TM181	**88.38** 77.50 : 122.50	**91.07** 77.50 : 122.50	**91.91** 77.50 : 122.50

PAH by GCMS

Component	Method Code	QC 16	QC 19
Acenaphthene	TM218	**98.41** 72.57 : 113.17	**100.84** 72.57 : 113.17
Acenaphthylene	TM218	**88.37** 71.02 : 96.03	**93.67** 71.02 : 96.03
Anthracene	TM218	**92.49** 76.12 : 108.98	**96.94** 76.12 : 108.98
Benz(a)anthracene	TM218	**110.38** 78.66 : 118.62	**104.40** 78.66 : 118.62
Benzo(a)pyrene	TM218	**112.38** 80.21 : 117.00	**105.16** 80.21 : 117.00
Benzo(b)fluoranthene	TM218	**112.70** 81.65 : 115.86	**103.50** 81.65 : 115.86
Benzo(ghi)perylene	TM218	**107.93** 76.98 : 113.58	**98.49** 76.98 : 113.58
Benzo(k)fluoranthene	TM218	**108.07** 79.33 : 114.91	**95.24** 79.33 : 114.91

SDG	100723-15	**Customer:**	Entec UK Ltd
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		QC 16	QC 19
Chrysene	TM218	**111.82** 79.48 : 114.86	**94.65** 79.48 : 114.86
Dibenzo(ah)anthracene	TM218	**109.02** 78.93 : 113.23	**97.86** 78.93 : 113.23
Fluoranthene	TM218	**98.80** 77.73 : 113.38	**97.21** 77.73 : 113.38
Fluorene	TM218	**97.99** 71.81 : 113.08	**101.36** 71.81 : 113.08
Indeno(123cd)pyrene	TM218	**112.42** 79.11 : 114.44	**99.02** 79.11 : 114.44
Naphthalene	TM218	**96.75** 74.81 : 102.18	**88.05** 74.81 : 102.18
Phenanthrene	TM218	**97.38** 78.74 : 112.18	**99.27** 78.74 : 112.18
Pyrene	TM218	**96.97** 77.72 : 113.01	**95.77** 77.72 : 113.01

PCBs (vs Aroclor 1254)

Component	Method Code	QC 19
PCBs (vs Aroclor 1254)	TM070	**105.20** 75.18 : 122.16

pH

Component	Method Code	QC 13
pH	TM133	**100.00** 97.90 : 102.35

Semi Volatile Organic Compounds

Component	Method Code	QC 11	QC 14
4-Bromophenylphenylether (Soil)	TM157	**89.39** 12.25 : 162.08	**89.80** 30.30 : 139.75
Benzo(a)anthracene (Soil)	TM157	**94.89** 38.70 : 146.05	**94.88** 27.20 : 137.40
Hexachlorobutadiene (Soil)	TM157	**90.24** 17.33 : 157.33	**91.91** 28.70 : 141.30
Naphthalene (Soil)	TM157	**92.01** 17.33 : 157.33	**93.80** 39.23 : 145.41
Nitrobenzene (Soil)	TM157	**89.65** 19.50 : 154.53	**91.73** 41.78 : 147.15
Phenol (Soil)	TM157	**92.68** 23.40 : 144.15	**93.40** 51.88 : 150.83

Total Organic Carbon

Component	Method Code	QC 16	QC 10
Total Organic Carbon	TM132	**96.01** 88.75 : 104.70	**94.59** 88.75 : 104.70

Validated

ALcontrol Laboratories Analytical Services

SDG	100723-15	**Customer:**	Entec UK Ltd
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Client Reference:	26999	**Order No.:**	228113
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TPH c6-40 Value of soil

Component	Method Code	QC 16	QC 16
Diesel QC	TM154	**92.68** 87.23 : 113.71	**93.69** 87.23 : 113.71
Lube Oil QC	TM154	**94.93** 88.71 : 110.56	**96.08** 88.71 : 110.56
TPH C6-40 Corrected	TM154	**93.80** 86.39 : 109.99	**94.89** 86.39 : 109.99

Water Soluble Sulphate 2:1

Component	Method Code	QC 12	QC 15
Soluble SO4	TM098	**101.46** 76.87 : 120.45	**85.91** 76.87 : 120.45

The above information details the reference name of the analytical quality control sample (AQC) that has been run with the samples contained in this report for the different methods of analysis.
The figure detailed is the percentage recovery result for the AQC.
The subscript numbers below are the percentage recovery lower control limit (LCL) and the upper control limit (UCL). The percentage recovery result for the AQC should be between these limits to be statistically in control.

Validated

ALcontrol Laboratories Analytical Services

SDG:	100723-15	**Customer:**	Entec UK Ltd
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Asbestos Identification

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Customer Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	WSE11 NS Z 0.10 - 0.30 SOLID 21/07/2010 00:00:00 23/07/2010 08:21:28 100723-15 1,858,380 TM048	26/7/10	Rhodri Williams	Typical of asbestos cement	Not Detected	Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected

Table of Results - Appendix

SDG Number : 100723-15 **Client :** Entec UK Ltd **Client Ref :** 26999

REPORT KEY

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03x10-7

NDP	No Determination Possible	#	ISO 17025 Accredited	*	Subcontracted Test	M	MCERTS Accredited
NFD	No Fibres Detected	PFD	Possible Fibres Detected	»	Result previously reported (Incremental reports only)	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control

Method No	Reference	Description	Wet/Dry Sample [1]
PM001		Preparation of Samples for Metals Analysis	Dry
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material	Wet
TM001	In - house Method	Determination of asbestos containing material by screening on solids	
TM024	Method 4500A & B, AWWA/APHA, 20th Ed., 1999	Determination of Exchangeable Ammonium and Ammoniacal Nitrogen as N by titration on solids	Wet
TM048	HSG 248, Asbestos: The analysts' guide for sampling, analysis and clearance procedures	Identification of Asbestos in Bulk Material	
TM070	Modified: US EPA Method 8250 & 625	Determination of Total Polychlorinated Biphenyls (PCBÆs) as Aroclor 1254 by GC-MS in Soils	Dry
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	
TM098	Method 4500E, AWWA/APHA, 20th Ed., 1999	Determination of Sulphate using the Kone Analyser	Dry
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS	
TM132	In - house Method	ELTRA CS800 Operators Guide	Dry
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter	Wet
TM151	Method 3500D, AWWA/APHA, 20th Ed., 1999	Determination of Hexavalent Chromium using Kone analyser	Wet
TM154	In - house Method	Determination of Petroleum Hydrocarbons by EZ Flash GC-FID in the Carbon range C6- C40	Wet
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone	Wet
TM173	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID	Dry
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES	Dry
TM184	EPA Methods 325.1 & 325.2,	The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	Dry
TM218	Microwave extraction – EPA method 3546	Microwave extraction - EPA method 3546	Wet
TM222	In-House Method	Determination of Hot Water Soluble Boron in Soils (10:1 Water:soil) by IRIS Emission Spectrometer	Dry

[1] Applies to Solid samples only. DRY indicates samples have been dried at 35°C. NA = not applicable.

APPENDIX

APPENDIX

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA Leach tests, flash point, ammonium as NH_4 by the BRE method, VOC TICS, SVOC TICS, TOF-MS SCAN/SEARCH and TOF-MS TICS.
2. Samples will be run in duplicate upon request, but an additional charge may be incurred.
3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for both soil jars, tubs and volatile jars. All waters and vials will be discarded 10 days after the analysis is completed (e-mailed). All material removed during an asbestos containing material screen and analysed for the presence of asbestos will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.
4. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.
5. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.
6. When requested, the individual sub sample scheduled will be screened in house for the presence of large asbestos containing material fragments/pieces. If no asbestos containing material is found this will be reported as 'no asbestos containing material detected'. If asbestos containing material is detected it will be removed and analysed by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If asbestos containing material is present no further analysis will be undertaken. At no point is the fibre content of the soil sample determined.
7. If no separate volatile sample is supplied by the client, the integrity of the data may be compromised if the laboratory is required to create a sub-sample from the bulk sample – similarly, if a headspace or sediment is present in the volatile sample. This will be flagged up as an invalid VOC on the test schedule or recorded on the log sheet.
8. If appropriate preserved bottles are not received preservation will take place on receipt. However, the integrity of the data may be compromised.
9. NDP – No determination possible due to insufficient/unsuitable sample.
10. Metals in water are performed on a filtered sample, and therefore represent dissolved metals – total metals must be requested separately.
11. A table containing the date of analysis for each parameter is not routinely included with the report, but is available upon request.
12. Results relate only to the items tested
13. **Surrogate recoveries** – Most of our organic methods include surrogates, the recovery of which is monitored and reported. For EPH, MO, PAH, GRO and VOCs on soils the result is not surrogate corrected, but a percentage recovery is quoted. Acceptable limits for most organic methods are 70 – 130 %.
14. **Product analyses** – Organic analyses on products can only be semi-quantitative due to the matrix effects and high dilution factors employed.
15. Phenols monohydric by HPLC include phenol, cresols (2-Methylphenol, 3-Methylphenol and 4-Methylphenol) and Xylenols (2,3 Dimethylphenol, 2,4 Dimethylphenol, 2,5 Dimethylphenol, 2,6 Dimethylphenol, 3,4 Dimethyphenol, 3,5 Dimethylphenol).
16. Total of 5 speciated phenols by HPLC includes Phenol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 14).
17. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.
18. Our MCERTS accreditation for PAHs by GCMS applies to all product types apart from Kerosene, where naphthalene only is not accredited.
19. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.
19. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.
20. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.
21. For all leachate preparations (NRA, DIN, TCLP, BSEN 12457-1, 2, 3) volatile loss may occur, as we do not employ zero headspace extraction.
22. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials – whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.
23. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C4 – C10 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

LIQUID MATRICES EXTRACTION SUMMARY

ANALYSIS	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
PAH MS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
EPH	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
EPH CWG	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
MINERAL OIL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
PCB 7 CONGENERS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
PCB TOTAL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GS MS
SVOC	DCM	LIQUID/LIQUID SHAKE	GC MS
FREE SULPHUR	DCM	SOLID PHASE EXTRACTION	HPLC
PEST OCP/OPP	DCM	LIQUID/LIQUID SHAKE	GC MS
TRIAZINE HERBS	DCM	LIQUID/LIQUID SHAKE	GC MS
PHENOLS MS	DCM	SOLID PHASE EXTRACTION	GC MS
TPH by INFRA RED (IR)	TCE	LIQUID/LIQUID EXTRACTION	HPLC
MINERAL OIL by IR	TCE	LIQUID/LIQUID EXTRACTION	HPLC
GLYCOLS	NONE	DIRECT INJECTION	GC FID

SOLID MATRICES EXTRACTION SUMMARY

ANALYSIS	D/C OR WET	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
Solvent Extractable Matter	D&C	DCM	SOXTHERM	GRAVIMETRIC
Cyclohexane Ext. Matter	D&C	CYCLOHEXANE	SOXTHERM	GRAVIMETRIC
Thin Layer Chromatography	D&C	DCM	SOXTHERM	IATROSCAN
Elemental Sulphur	D&C	DCM	SOXTHERM	HPLC
Phenols by GCMS	WET	DCM	SOXTHERM	GC-MS
Herbicides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
Pesticides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
EPH (DRO)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Min oil)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Cleaned up)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH CWG by GC	D&C	HEXANE:ACETONE	END OVER END	GC-FID
PCB tot / PCB con	D&C	HEXANE:ACETONE	END OVER END	GC-MS
Polyaromatic Hydrocarbons (MS)	WET	HEXANE:ACETONE	Microwave TM218.	GC-MS
C8-C40 (C6-C40)EZ Flash	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Polyaromatic Hydrocarbons Rapid GC	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Semi Volatile Organic Compounds	WET	DCM:ACETONE	SONICATE	GC-MS

Identification of Asbestos in Bulk Materials

The results for asbestos identification for soil samples are obtained from possible Asbestos Containing Material, removed during the 'Screening of soils for Asbestos Containing Materials', which have been examined to determine the presence of asbestos fibres using Alcontrol Laboratories (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Visual Estimation Of Fibre Content.

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: -

Trace – Where only one or two asbestos fibres were identified.

Further guidance on typical asbestos fibre content of manufactured products can be found in MDHS 100.

The identification of asbestos containing materials falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

ALcontrol Laboratories

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Abbey Lawn
Abbey Foregate
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Shropshire
SY2 5DE

Attention: Steve Dooley

CERTIFICATE OF ANALYSIS

Date:	28 July 2010		
Customer:	H_ENTEC_SHW-24		
Sample Delivery Group (SDG):	100723-33	**Report No.:**	91741
Your Reference:	26999		
Location:	KL056 DSDC Bicester		

We received 10 samples on Friday July 23, 2010 and 10 of these samples were scheduled for analysis which was completed on Wednesday July 28, 2010. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

All chemical testing (unless subcontracted) is performed at ALcontrol Hawarden Laboratories.

Asbestos testing - we are not accredited for screening soil samples for asbestos fibres. We are only accredited to identify asbestos fibres in bulk material (ACM).

Approved By:

Iain Swinton

Operations Director - Land UK & Ireland

UKAS TESTING
1291

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Validated

ALcontrol Laboratories Analytical Services

SDG:	100723-33	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91741

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Sampled Date
1858925	SWA1		21/07/2010
1858966	SWC1		21/07/2010
1858994	SWC2		21/07/2010
1859051	SWC4		21/07/2010
1859368	SWC5		21/07/2010
1859388	SWC8		21/07/2010
1859442	SWD6		21/07/2010
1859457	SWD9		21/07/2010
1859405	SWE1		21/07/2010
1859421	SWE5		21/07/2010

Only received samples which have had analysis scheduled will be shown on the following pages.

Validated

ALcontrol Laboratories Analytical Services

SDG:	100723-33	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91741

LIQUID

Results Legend

X Test

N No Determination Possible

		Lab Sample No(s)	1858925			1858966			1858994			1859051			1859368			1859388			1859405			1859421			1859442			1859457			Total
		Customer Sample Ref.	SWA1			SWC1			SWC2			SWC4			SWC5			SWC8			SWE1			SWE5			SWD6			SWD9			
		Depth (m)																															
		Container	1l green glass bottle	500ml Plastic	H2SO4	1l green glass bottle	500ml Plastic	H2SO4	1l green glass bottle	500ml Plastic	H2SO4	1l green glass bottle	500ml Plastic	H2SO4	1l green glass bottle	500ml Plastic	H2SO4	1l green glass bottle	500ml Plastic	H2SO4	1l green glass bottle	500ml Plastic	H2SO4	1l green glass bottle	500ml Plastic	H2SO4	1l green glass bottle	500ml Plastic	H2SO4	1l green glass bottle	500ml Plastic	H2SO4	
Alkalinity as CaCO3	All			X			X			X			X			X			X			X			X			X			0 10
Ammonium	All				X			X			X			X			X			X			X			X			X		0 10
Anions by Kone (w)	All			X			X			X			X			X			X			X			X			X			0 10
Conductivity (at 20 deg.C)	All			X			X			X			X			X			X			X			X			X			0 10
Dissolved Metals by ICP-MS	All			X			X			X			X			X			X			X			X			X			0 10
EPH (DRO) (C10-C40) Aqueous (W)	All	X			X			X			X			X			X			X			X			X			X			0 10
Mercury Dissolved	All	X			X			X			X			X			X			X			X			X			X			0 10
pH Value	All		X			X			X			X			X			X			X			X			X			X		0 10

Validated

ALcontrol Laboratories Analytical Services

SDG:	100723-33	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91741

Test Completion dates

SDG reference: 100723-33

Lab Sample No(s)	1858925	1858966	1858994	1859051	1859368	1859388	1859405	1859421	1859442	1859457
Customer Sample Ref.	SWA1	SWC1	SWC2	SWC4	SWC5	SWC8	SWE1	SWE5	SWD6	SWD9
Depth										
Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Alkalinity as CaCO3	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010
Ammonium	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010
Anions by Kone (w)	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010
Conductivity (at 20 deg.C)	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010
Dissolved Metals by ICP-MS	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	28/07/2010	28/07/2010	28/07/2010	28/07/2010	28/07/2010
EPH (DRO) (C10-C40) Aqueous (W)	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010
Mercury Dissolved	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010
pH Value	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010

Validated

ALcontrol Laboratories Analytical Services

SDG:	100723-33	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91741

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)
			SWA1		Water(GW/SW)	21/07/2010	23/07/2010	100723-33	1858925
			SWC1		Water(GW/SW)	21/07/2010	23/07/2010	100723-33	1858966
			SWC2		Water(GW/SW)	21/07/2010	23/07/2010	100723-33	1858994
			SWC4		Water(GW/SW)	21/07/2010	23/07/2010	100723-33	1859051
			SWC5		Water(GW/SW)	21/07/2010	23/07/2010	100723-33	1859368
			SWC8		Water(GW/SW)	21/07/2010	23/07/2010	100723-33	1859388
Alkalinity, Total as CaCO3	<2 mg/l	TM043	170 #		210 #		285 #		235 #		210 #		180 #
Ammoniacal Nitrogen as NH4	<0.3 mg/l	TM099	2.16 #		<0.3 #		0.33 #		0.388 #		<0.3 #		<0.3 #
Conductivity @ 20 deg.C	<0.014 mS/cm	TM120	0.461 #		0.862 #		0.849 #		0.859 #		0.68 #		0.762 #
Arsenic (diss.filt)	<0.00012 mg/l	TM152	0.0047 #		0.00162 #		0.00785 #		0.00154 #		0.00144 #		0.00154 #
Boron (diss.filt)	<0.0094 mg/l	TM152	0.036 #		0.0815 #		0.0839 #		0.0876 #		0.0811 #		0.0909 #
Cadmium (diss.filt)	<0.0001 mg/l	TM152	<0.0001 #		<0.0001 #		<0.0001 #		<0.0001 #		<0.0001 #		<0.0001 #
Chromium (diss.filt)	<0.00022 mg/l	TM152	0.00658 #		0.00615 #		0.00855 #		0.00683 #		0.00584 #		0.00382 #
Copper (diss.filt)	<0.00085 mg/l	TM152	0.00113 #		<0.00085 #		0.00102 #		0.00102 #		0.00113 #		0.0011 #
Lead (diss.filt)	<0.00002 mg/l	TM152	0.000125 #		0.000077 #		0.000157 #		0.000074 #		0.000089 #		0.000044 #
Nickel (diss.filt)	<0.00015 mg/l	TM152	0.00527 #		0.00366 #		0.00369 #		0.00399 #		0.00381 #		0.00251 #
Selenium (diss.filt)	<0.00039 mg/l	TM152	0.00241 #		0.000645 #		0.000899 #		0.00057 #		0.000569 #		0.000642 #
Zinc (diss.filt)	<0.00041 mg/l	TM152	0.009 #		0.0168 #		0.0032 #		0.00837 #		0.0119 #		0.0374 #
EPH Range >C10 - C40 (aq)	<0.046 mg/l	TM172	0.881 #		<0.046 #		0.0964 #		0.0558 #		<0.046 #		0.117 #
EPH Band >C10-C12 (aq)	<0.01 mg/l	TM172	0.0259		<0.01		0.0145		<0.01		<0.01		<0.01
EPH Band >C12-C16 (aq)	<0.01 mg/l	TM172	0.0497		<0.01		0.0311		<0.01		<0.01		0.0394
EPH Band >C16-C21 (aq)	<0.01 mg/l	TM172	0.307		<0.01		0.0204		0.0207		<0.01		0.0239
EPH Band >C21-C28 (aq)	<0.01 mg/l	TM172	0.345		<0.01		0.0152		0.0201		<0.01		0.0161
EPH Band >C35-C40 (aq)	<0.01 mg/l	TM172	0.0223		<0.01		<0.01		<0.01		<0.01		<0.01
EPH Band >C28-C35 (aq)	<0.01 mg/l	TM172	0.13		<0.01		0.0153		0.015		<0.01		0.0287
Mercury (diss.filt)	<0.00001 mg/l	TM183	<0.00001 #		<0.00001 #		<0.00001 #		<0.00001 #		<0.00001 #		<0.00001 #
Sulphate	<3 mg/l	TM184	92.7 #		101 #		57.8 #		90.3 #		72 #		121 #
Chloride	<2 mg/l	TM184	5.5 #		122 #		113 #		122 #		84.7 #		86.2 #
pH	<1 pH Units	TM256	7.87 #		8.3 #		8.07 #		8.17 #		8.16 #		7.88 #

Validated

ALcontrol Laboratories Analytical Services

SDG:	100723-33	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91741

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SWD6	SWD9	SWE1	SWE5
			Depth (m)				
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	21/07/2010	21/07/2010	21/07/2010	21/07/2010
			Date Received	23/07/2010	23/07/2010	23/07/2010	23/07/2010
			SDG Ref	100723-33	100723-33	100723-33	100723-33
			Lab Sample No.(s)	1859442	1859457	1859405	1859421
Alkalinity, Total as CaCO3	<2 mg/l	TM043		285 #	170 #	245 #	140 #
Ammoniacal Nitrogen as NH4	<0.3 mg/l	TM099		4.42 #	2.69 #	0.405 #	0.459 #
Conductivity @ 20 deg.C	<0.014 mS/cm	TM120		1.09 #	1.07 #	0.855 #	0.944 #
Arsenic (diss.filt)	<0.00012 mg/l	TM152		0.00712 #	0.0037 #	0.0059 #	0.000744 #
Boron (diss.filt)	<0.0094 mg/l	TM152		0.0814 #	0.187 #	0.116 #	0.0819 #
Cadmium (diss.filt)	<0.0001 mg/l	TM152		<0.0001 #	<0.0001 #	<0.0001 #	<0.0001 #
Chromium (diss.filt)	<0.00022 mg/l	TM152		0.00592 #	0.00449 #	0.00484 #	0.00324 #
Copper (diss.filt)	<0.00085 mg/l	TM152		<0.00085 #	<0.00085 #	<0.00085 #	0.00173 #
Lead (diss.filt)	<0.00002 mg/l	TM152		0.000057 #	<0.00002 #	0.000049 #	0.000132 #
Nickel (diss.filt)	<0.00015 mg/l	TM152		0.00374 #	0.00753 #	0.00456 #	0.00394 #
Selenium (diss.filt)	<0.00039 mg/l	TM152		0.00112 #	0.0013 #	0.000993 #	0.000676 #
Zinc (diss.filt)	<0.00041 mg/l	TM152		0.00348 #	0.00169 #	0.000895 #	0.0204 #
EPH Range >C10 - C40 (aq)	<0.046 mg/l	TM172		0.173 #	0.476 #	<0.046 #	0.0978 #
EPH Band >C10-C12 (aq)	<0.01 mg/l	TM172		<0.01	0.0203	<0.01	<0.01
EPH Band >C12-C16 (aq)	<0.01 mg/l	TM172		0.0322	0.0712	<0.01	0.0348
EPH Band >C16-C21 (aq)	<0.01 mg/l	TM172		0.0318	0.174	<0.01	0.0187
EPH Band >C21-C28 (aq)	<0.01 mg/l	TM172		0.0267	0.097	<0.01	0.0186
EPH Band >C35-C40 (aq)	<0.01 mg/l	TM172		<0.01	<0.01	<0.01	<0.01
EPH Band >C28-C35 (aq)	<0.01 mg/l	TM172		0.0751	0.113	<0.01	0.0203
Mercury (diss.filt)	<0.00001 mg/l	TM183		<0.00001 #	<0.00001 #	<0.00001 #	<0.00001 #
Sulphate	<3 mg/l	TM184		43.5 #	416 #	176 #	168 #
Chloride	<2 mg/l	TM184		188 #	51.9 #	63.9 #	138 #
pH	<1 pH Units	TM256		7.82 #	7.09 #	7.89 #	7.77 #

SDG:	100723-33	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91741

ASSOCIATED AQC DATA

Alkalinity as CaCO3

Component	Method Code	QC 10
Total Alkalinity as CaCO3	TM043	**100.00** 95.50 : 104.50

Ammonium

Component	Method Code	QC 15	QC 11
Ammoniacal Nitrogen as N	TM099	**101.42** 98.81 : 106.69	**101.28** 98.81 : 106.69

Anions by Kone (w)

Component	Method Code	QC 18	QC 14
Chloride	TM184	**98.40** 92.01 : 104.18	**98.70** 92.01 : 104.18
Nitrite as NO2	TM184	**98.40** 92.92 : 105.47	**98.60** 92.92 : 105.47
Phosphate (Ortho as PO4)	TM184	**99.32** 94.22 : 106.12	**99.80** 94.22 : 106.12
Sulphate (soluble)	TM184	**102.64** 95.09 : 105.03	**101.08** 95.09 : 105.03
TON as NO3	TM184	**102.35** 94.35 : 105.63	**102.51** 94.35 : 105.63

Conductivity (at 20 deg.C)

Component	Method Code	QC 16
Conductivity (at 20 deg.C)	TM120	**98.98** 97.19 : 102.36

Dissolved Metals by ICP-MS

Component	Method Code	QC 10	QC 18
Aluminium	TM152	**103.09** 85.00 : 115.00	**107.12** 85.00 : 115.00
Antimony	TM152	**105.95** 85.00 : 115.00	**104.67** 85.00 : 115.00
Arsenic	TM152	**106.11** 85.00 : 115.00	**99.44** 85.00 : 115.00
Barium	TM152	**102.76** 85.00 : 115.00	**102.61** 85.00 : 115.00
Beryllium	TM152	**109.48** 85.00 : 115.00	**100.05** 85.00 : 115.00
Bismuth	TM152	**105.55** 85.00 : 115.00	**105.29** 85.00 : 115.00
Boron	TM152	**96.16** 77.43 : 112.32	**106.57** 77.43 : 112.32

SDG:	100723-33	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91741

		QC 10	QC 18
Cadmium	TM152	**104.45** 85.00 : 115.00	**103.20** 85.00 : 115.00
Chromium	TM152	**107.41** 85.00 : 115.00	**103.71** 85.00 : 115.00
Cobalt	TM152	**104.28** 85.00 : 115.00	**100.35** 85.00 : 115.00
Copper	TM152	**109.44** 85.00 : 115.00	**100.25** 85.00 : 115.00
Lead	TM152	**104.48** 85.00 : 115.00	**104.80** 85.00 : 115.00
Lithium	TM152	**104.76** 85.00 : 115.00	**105.73** 85.00 : 115.00
Manganese	TM152	**104.33** 85.00 : 115.00	**104.45** 85.00 : 115.00
Molybdenum	TM152	**102.37** 85.00 : 115.00	**97.16** 85.00 : 115.00
Nickel	TM152	**106.53** 85.00 : 115.00	**107.44** 85.00 : 115.00
Niobium	TM152	**98.99** 85.00 : 115.00	**132.52** 85.00 : 115.00
Phosphorus	TM152	**100.75** 85.00 : 115.00	**107.23** 85.00 : 115.00
Selenium	TM152	**105.96** 85.00 : 115.00	**102.24** 85.00 : 115.00
Silver	TM152	**102.91** 85.00 : 115.00	**101.83** 85.00 : 115.00
Strontium	TM152	**103.44** 85.00 : 115.00	**105.93** 85.00 : 115.00
Tellurium	TM152	**104.48** 85.00 : 115.00	**99.56** 85.00 : 115.00
Thallium	TM152	**101.25** 85.00 : 115.00	**101.43** 85.00 : 115.00
Tin	TM152	**118.37** 85.00 : 115.00	**110.88** 85.00 : 115.00
Titanium	TM152	**104.87** 85.00 : 115.00	**104.53** 85.00 : 115.00
Tungsten	TM152	**98.72** 85.00 : 115.00	**95.37** 85.00 : 115.00
Uranium	TM152	**104.04** 85.00 : 115.00	**106.12** 85.00 : 115.00
Vanadium	TM152	**105.11** 85.00 : 115.00	**103.60** 85.00 : 115.00
Zinc	TM152	**107.41** 85.00 : 115.00	**102.32** 85.00 : 115.00
Zirconium	TM152	**105.44** 85.00 : 115.00	**103.41** 85.00 : 115.00

EPH (DRO) (C10-C40) Aqueous (W)

Component	Method Code	QC 16	QC 13
EPH (DRO) (C10-C40)	TM172	**88.37** 38.00 : 127.50	**61.40** 38.50 : 139.00

Mercury Dissolved

Validated

ALcontrol Laboratories Analytical Services

SDG:	100723-33	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	
Location:	KL056 DSDC Bicester	**Report No:**	91741

Component	Method Code	QC 11	QC 12
Mercury Dissolved (CVAF)	TM183	**87.80** 79.41 : 116.68	**87.80** 79.41 : 116.68

pH Value

Component	Method Code	QC 13	QC 18
pH	TM256	**99.86** 95.71 : 104.28	**99.71** 95.71 : 104.28

The above information details the reference name of the analytical quality control sample (AQC) that has been run with the samples contained in this report for the different methods of analysis.
The figure detailed is the percentage recovery result for the AQC.
The subscript numbers below are the percentage recovery lower control limit (LCL) and the upper control limit (UCL). The percentage recovery result for the AQC should be between these limits to be statistically in control.

Table of Results - Appendix

SDG Number : 100723-33 **Client :** Entec UK Ltd **Client Ref :** 26999

REPORT KEY

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03x10-7

NDP	No Determination Possible	#	ISO 17025 Accredited	*	Subcontracted Test	M	MCERTS Accredited
NFD	No Fibres Detected	PFD	Possible Fibres Detected	»	Result previously reported (Incremental reports only)	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control

Method No	Reference	Description	Wet/Dry Sample [1]
TM043	Method 2320B, AWWA/APHA, 20th Ed., 1999 / BS 2690: Part109 1984	Determination of alkalinity in aqueous samples	
TM061	Method for the Determination of EPH,Massachusetts Dept.of EP, 1998	Determination of Extractable Petroleum Hydrocarbons by GC-FID (C10-C40)	
TM099	BS 2690: Part 7:1968 / BS 6068: Part2.11:1984	Determination of Ammonium in Water Samples using the Kone Analyser	
TM120	Method 2510B, AWWA/APHA, 20th Ed., 1999 / BS 2690: Part 9:1970	Determination of Electrical Conductivity using a Conductivity Meter	
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS	
TM172	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	EPH in Waters	
TM183	BS EN 23506:2002, (BS 6068-2.74:2002) ISBN 0 580 38924 3	Determination of Trace Level Mercury in Waters and Leachates by PSA Cold Vapour Atomic Fluorescence Spectrometry	
TM184	EPA Methods 325.1 & 325.2,	The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	
TM256	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4.	Determination of pH in Water and Leachate using the GLpH pH Meter	

[1] Applies to Solid samples only. DRY indicates samples have been dried at 35°C. NA = not applicable.

APPENDIX

APPENDIX

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA Leach tests, flash point, ammonium as NH_4 by the BRE method, VOC TICS, SVOC TICS, TOF-MS SCAN/SEARCH and TOF-MS TICS.
2. Samples will be run in duplicate upon request, but an additional charge may be incurred.
3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for both soil jars, tubs and volatile jars. All waters and vials will be discarded 10 days after the analysis is completed (e-mailed). All material removed during an asbestos containing material screen and analysed for the presence of asbestos will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.
4. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.
5. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.
6. When requested, the individual sub sample scheduled will be screened in house for the presence of large asbestos containing material fragments/pieces. If no asbestos containing material is found this will be reported as 'no asbestos containing material detected'. If asbestos containing material is detected it will be removed and analysed by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If asbestos containing material is present no further analysis will be undertaken. At no point is the fibre content of the soil sample determined.
7. If no separate volatile sample is supplied by the client, the integrity of the data may be compromised if the laboratory is required to create a sub-sample from the bulk sample – similarly, if a headspace or sediment is present in the volatile sample. This will be flagged up as an invalid VOC on the test schedule or recorded on the log sheet.
8. If appropriate preserved bottles are not received preservation will take place on receipt. However, the integrity of the data may be compromised.
9. NDP – No determination possible due to insufficient/unsuitable sample.
10. Metals in water are performed on a filtered sample, and therefore represent dissolved metals – total metals must be requested separately.
11. A table containing the date of analysis for each parameter is not routinely included with the report, but is available upon request.
12. Results relate only to the items tested
13. **Surrogate recoveries** – Most of our organic methods include surrogates, the recovery of which is monitored and reported. For EPH, MO, PAH, GRO and VOCs on soils the result is not surrogate corrected, but a percentage recovery is quoted. Acceptable limits for most organic methods are 70 – 130 %.
14. **Product analyses** – Organic analyses on products can only be semi-quantitative due to the matrix effects and high dilution factors employed.
15. Phenols monohydric by HPLC include phenol, cresols (2-Methylphenol, 3-Methylphenol and 4-Methylphenol) and Xylenols (2,3 Dimethylphenol, 2,4 Dimethylphenol, 2,5 Dimethylphenol, 2,6 Dimethylphenol, 3,4 Dimethyphenol, 3,5 Dimethylphenol).
16. Total of 5 speciated phenols by HPLC includes Phenol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 14).
17. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.
18. Our MCERTS accreditation for PAHs by GCMS applies to all product types apart from Kerosene, where naphthalene only is not accredited.
19. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.
19. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.
20. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.
21. For all leachate preparations (NRA, DIN, TCLP, BSEN 12457-1, 2, 3) volatile loss may occur, as we do not employ zero headspace extraction.
22. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials – whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.
23. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C4 – C10 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

LIQUID MATRICES EXTRACTION SUMMARY

ANALYSIS	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
PAH MS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
EPH	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
EPH CWG	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
MINERAL OIL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
PCB 7 CONGENERS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
PCB TOTAL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GS MS
SVOC	DCM	LIQUID/LIQUID SHAKE	GC MS
FREE SULPHUR	DCM	SOLID PHASE EXTRACTION	HPLC
PEST OCP/OPP	DCM	LIQUID/LIQUID SHAKE	GC MS
TRIAZINE HERBS	DCM	LIQUID/LIQUID SHAKE	GC MS
PHENOLS MS	DCM	SOLID PHASE EXTRACTION	GC MS
TPH by INFRA RED (IR)	TCE	LIQUID/LIQUID EXTRACTION	HPLC
MINERAL OIL by IR	TCE	LIQUID/LIQUID EXTRACTION	HPLC
GLYCOLS	NONE	DIRECT INJECTION	GC FID

SOLID MATRICES EXTRACTION SUMMARY

ANALYSIS	D/C OR WET	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
Solvent Extractable Matter	D&C	DCM	SOXTHERM	GRAVIMETRIC
Cyclohexane Ext. Matter	D&C	CYCLOHEXANE	SOXTHERM	GRAVIMETRIC
Thin Layer Chromatography	D&C	DCM	SOXTHERM	IATROSCAN
Elemental Sulphur	D&C	DCM	SOXTHERM	HPLC
Phenols by GCMS	WET	DCM	SOXTHERM	GC-MS
Herbicides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
Pesticides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
EPH (DRO)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Min oil)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Cleaned up)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH CWG by GC	D&C	HEXANE:ACETONE	END OVER END	GC-FID
PCB tot / PCB con	D&C	HEXANE:ACETONE	END OVER END	GC-MS
Polyaromatic Hydrocarbons (MS)	WET	HEXANE:ACETONE	Microwave TM218.	GC-MS
C8-C40 (C6-C40)EZ Flash	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Polyaromatic Hydrocarbons Rapid GC	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Semi Volatile Organic Compounds	WET	DCM:ACETONE	SONICATE	GC-MS

Identification of Asbestos in Bulk Materials

The results for asbestos identification for soil samples are obtained from possible Asbestos Containing Material, removed during the 'Screening of soils for Asbestos Containing Materials', which have been examined to determine the presence of asbestos fibres using Alcontrol Laboratories (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Visual Estimation Of Fibre Content.

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: -

Trace – Where only one or two asbestos fibres were identified.

Further guidance on typical asbestos fibre content of manufactured products can be found in MDHS 100.

The identification of asbestos containing materials falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

ALcontrol Laboratories

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Abbey Foregate
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Shropshire
SY2 5DE

Attention: Steve Dooley

CERTIFICATE OF ANALYSIS

Date:	03 August 2010		
Customer:	H_ENTEC_SHW-24		
Sample Delivery Group (SDG):	100726-8	**Report No.:**	92286
Your Reference:	26999		
Location:	KL056 DSDC Bicester		

We received 30 samples on Saturday July 24, 2010 and 23 of these samples were scheduled for analysis which was completed on Tuesday August 03, 2010. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

All chemical testing (unless subcontracted) is performed at ALcontrol Hawarden Laboratories.

Asbestos testing - we are not accredited for screening soil samples for asbestos fibres. We are only accredited to identify asbestos fibres in bulk material (ACM).

Approved By:

Iain Swinton

Operations Director - Land UK & Ireland

ALcontrol Laboratories is a trading division of ALcontrol UK Limited
Registered Office: Units 7 & 8 Hawarden Business Park, Manor Road, Hawarden, Deeside, CH5 3US. Registered in England and Wales No. 4057291.

Validated

ALcontrol Laboratories Analytical Services

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Sampled Date
1864569	WSE 1	0.40 - 0.60	22/07/2010
1864515	WSE 1	2.80 - 3.00	22/07/2010
1864750	WSE 16	0.20 - 0.40	22/07/2010
1865961	WSE 16	0.50 - 0.70	22/07/2010
1865960	WSE 16	1.40 - 1.60	22/07/2010
1865962	WSE 17	0.10 - 0.30	22/07/2010
1865964	WSE 17	2.80 - 3.00	22/07/2010
1864709	WSE 19	0.30 - 0.50	22/07/2010
1864700	WSE 19	0.60 - 0.70	22/07/2010
1864848	WSE 19	3.30 - 3.50	22/07/2010
1864588	WSE 2	0.50 - 0.70	22/07/2010
1864517	WSE 2	2.10 - 2.30	22/07/2010
1864714	WSE 20	0.20 - 0.40	22/07/2010
1864829	WSE 20	3.40 - 3.60	22/07/2010
1864863	WSE 21	0.85 - 0.95	22/07/2010
1864857	WSE 21	1.60 - 1.90	22/07/2010
1864989	WSE 22	0.40 - 0.60	23/07/2010
1864953	WSE 22	2.40 - 2.60	23/07/2010
1864982	WSE 23	0.70 - 1.00	23/07/2010
1864968	WSE 23	1.20 - 1.40	23/07/2010
1864945	WSE 24	0.30 - 0.50	23/07/2010
1864958	WSE 24	4.40 - 4.60	23/07/2010
1865056	WSE 25	0.20 - 0.50	23/07/2010
1864974	WSE 25	1.30 - 1.60	23/07/2010
1865078	WSE 26	0.10 - 0.30	23/07/2010
1864965	WSE 26	2.00 - 2.30	23/07/2010
1864601	WSE 3	0.30 - 0.40	21/07/2010
1864503	WSE 3	2.30 - 2.50	22/07/2010
1864528	WSE 4	0.20 - 0.40	21/07/2010
1864626	WSE 4	1.60 - 1.80	22/07/2010

Only received samples which have had analysis scheduled will be shown on the following pages.

Validated

ALcontrol Laboratories Analytical Services

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

SOLID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)	1864503	1864517	1864528	1864569	1864588	1864626	1864700	1864709	1864714	1864750	1864829	1864863	1864945	1864958	1864965	1864968	1864982	1864989	1865056	1865078
Customer Sample Ref.	WSE 3	WSE 2	WSE 4	WSE 1	WSE 2	WSE 4	WSE 19	WSE 19	WSE 20	WSE 16	WSE 20	WSE 21	WSE 24	WSE 24	WSE 26	WSE 23	WSE 23	WSE 22	WSE 25	WSE 26
Depth (m)	2.30 - 2.50	2.10 - 2.30	0.20 - 0.40	0.40 - 0.60	0.50 - 0.70	1.60 - 1.80	0.60 - 0.70	0.30 - 0.50	0.20 - 0.40	0.20 - 0.40	3.40 - 3.60	0.85 - 0.95	0.30 - 0.50	4.40 - 4.60	2.00 - 2.30	1.20 - 1.40	0.70 - 1.00	0.40 - 0.60	0.20 - 0.50	0.10 - 0.30
Container	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	60g VOC	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	60g VOC	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	60g VOC	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	60g VOC	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar	1kg TUB	250g Amber Jar

Ammonium Soil by Titration	All	X		X		X		X		X		X			X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
Asbestos Containing Material Screen	All														X		X												X				X														
Boron Water Soluble	All		X		X		X		X		X		X			X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
EPH CWG (Aliphatic) GC (S)	All												X												X																						
EPH CWG (Aromatic) GC (S)	All												X												X																						
GRO BTEX MTBE GC (S)	All													X												X																					
Hexavalent Chromium (s)	All	X		X		X		X		X		X			X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
Metals by iCap-OES (Soil)	Arsenic		X		X		X		X		X		X			X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
	Cadmium		X		X		X		X		X		X			X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
	Chromium		X		X		X		X		X		X			X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
	Copper		X		X		X		X		X		X			X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
	Lead		X		X		X		X		X		X			X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
	Mercury		X		X		X		X		X		X			X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
	Nickel		X		X		X		X		X		X			X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
	Selenium		X		X		X		X		X		X			X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
	Zinc		X		X		X		X		X		X			X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
PAH by GCMS	All												X												X																						
PCBs (vs Aroclor 1254)	All												X												X																						
pH	All	X		X		X		X		X		X			X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
Sample description	All		X		X		X		X		X		X			X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	
Semi Volatile Organic Compounds	All												X												X																						
Total Organic Carbon	All																																X		X										
TPH c6-40 Value of soil	All		X		X				X						X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	

1865960	WSE 16	1.40 - 1.60	1kg TUB		
			250g Amber Jar	X	
1865961	WSE 16	0.50 - 0.70	1kg TUB		X
			60g VOC		
			250g Amber Jar		
			1kg TUB	X	
			250g Amber Jar		
1865964	WSE 17	2.80 - 3.00	1kg TUB		X
			250g Amber Jar		

Total
0 23
0 4
0 23
0 4
0 4
0 4
0 23
0 23
0 23
0 23
0 23
0 23
0 23
0 23
0 23
0 4
0 4
0 23
0 23
0 4
0 5
0 12

Validated

ALcontrol Laboratories Analytical Services

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

		1864503	1864517	1864528	1864569	1864588	1864626	1864700	1864709	1864714	1864750	1864829	1864863	1864945	1864958	1864965	1864968	1864982	1864989	1865056	1865078
		WSE 3	WSE 2	WSE 4	WSE 1	WSE 2	WSE 4	WSE 19	WSE 19	WSE 20	WSE 16	WSE 20	WSE 21	WSE 24	WSE 24	WSE 26	WSE 23	WSE 23	WSE 22	WSE 25	WSE 26
		2.30 - 2.50	2.10 - 2.30	0.20 - 0.40	0.40 - 0.60	0.50 - 0.70	1.60 - 1.80	0.60 - 0.70	0.30 - 0.50	0.20 - 0.40	0.20 - 0.40	3.40 - 3.60	0.85 - 0.95	0.30 - 0.50	4.40 - 4.60	2.00 - 2.30	1.20 - 1.40	0.70 - 1.00	0.40 - 0.60	0.20 - 0.50	0.10 - 0.30
	1kg TUB																				
	250g Amber Jar	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	1kg TUB																				
	250g Amber Jar																				
	1kg TUB																				
	250g Amber Jar																				
	1kg TUB																				
	250g Amber Jar																				
	1kg TUB																				
	250g Amber Jar							X					X					X			
TPH CWG GC (S)	All																				
	60g VOC							X					X					X			
	1kg TUB																				
	250g Amber Jar								X					X							
	1kg TUB																				
	250g Amber Jar									X											
	1kg TUB																				
	250g Amber Jar										X										
	1kg TUB																				
	250g Amber Jar											X									
	1kg TUB																				
	250g Amber Jar												X								
	60g VOC												X								
	1kg TUB																				
	250g Amber Jar													X							
	1kg TUB																				
	250g Amber Jar														X						
	1kg TUB																				
	250g Amber Jar															X					
	1kg TUB																				
	250g Amber Jar																X				
	1kg TUB																				
	250g Amber Jar																	X			
	60g VOC																	X			
	1kg TUB																				
	250g Amber Jar																		X		
	1kg TUB																				
	250g Amber Jar																			X	
	1kg TUB																				
	250g Amber Jar																				X
VOC MS (S)	All																				
Water Soluble Sulphate 2:1	All																				

Total				0 4	0 4	0 23
1865964	WSE 17	2.80 - 3.00	250g Amber Jar			X
			1kg TUB			
1865961	WSE 16	0.50 - 0.70	60g VOC		X	
			250g Amber Jar	X		X
			1kg TUB			
1865960	WSE 16	1.40 - 1.60	250g Amber Jar			X
			1kg TUB			

Validated

ALcontrol Laboratories Analytical Services

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

Sample Descriptions

Grain Sizes:
<0.063mm very fine,
0.063mm - 0.1mm fine,
0.1mm - 2mm medium,
2mm - 10mm coarse,
>10mm very coarse

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Grain size	Inclusions
1864503	WSE 3	2.30 - 2.50	Light Brown	Silty Clay Loam	0.063 - 0.1 mm	Stones
1864517	WSE 2	2.10 - 2.30	Light Brown	Clay	<0.063 mm	Stones
1864528	WSE 4	0.20 - 0.40	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation
1864569	WSE 1	0.40 - 0.60	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones
1864588	WSE 2	0.50 - 0.70	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation
1864626	WSE 4	1.60 - 1.80	Light Brown	Clay	<0.063 mm	None
1864700	WSE 19	0.60 - 0.70	Dark Brown	Clay Loam	0.063 - 0.1 mm	Metal
1864709	WSE 19	0.30 - 0.50	Light Brown	Silt Loam	0.063 - 0.1 mm	Stones
1864714	WSE 20	0.20 - 0.40	Dark Brown	Clay	<0.063 mm	N/A
1864750	WSE 16	0.20 - 0.40	Dark Brown	Clay Loam	0.063 - 0.1 mm	Stones
1864829	WSE 20	3.40 - 3.60	Light Brown	Sand	0.1 - 2 mm	Stones
1864863	WSE 21	0.85 - 0.95	Dark Brown	Sand	0.1 - 2 mm	Vegetation
1864945	WSE 24	0.30 - 0.50	Light Brown	Sandy Loam	0.1 - 2 mm	Stones
1864958	WSE 24	4.40 - 4.60	Grey	Sand	0.1 - 2 mm	N/A
1864965	WSE 26	2.00 - 2.30	Dark Brown	Clay	<0.063 mm	N/A
1864968	WSE 23	1.20 - 1.40	Dark Brown	Clay	<0.063 mm	N/A
1864982	WSE 23	0.70 - 1.00	Dark Brown	Clay Loam	0.063 - 0.1 mm	N/A
1864989	WSE 22	0.40 - 0.60	Dark Brown	Sandy Loam	0.1 - 2 mm	Stones
1865056	WSE 25	0.20 - 0.50	Light Brown	Silty Clay	0.063 - 0.1 mm	None
1865078	WSE 26	0.10 - 0.30	Dark Brown	Silt Loam	0.063 - 0.1 mm	Vegetation
1865960	WSE 16	1.40 - 1.60	Light Brown	Silty Clay	0.063 - 0.1 mm	Stones
1865961	WSE 16	0.50 - 0.70	Dark Brown	Sandy Clay	0.1 - 2 mm	Stones
1865964	WSE 17	2.80 - 3.00	Dark Brown	Silty Clay	0.063 - 0.1 mm	Stones

These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally ocurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Validated

ALcontrol Laboratories Analytical Services

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

Test Completion dates

SDG reference: 100726-8

Lab Sample No(s)	1864503	1864517	1864528	1864569	1864588	1864626	1864700	1864709	1864714	1864750	1864829	1864863
Customer Sample Ref.	WSE 3	WSE 2	WSE 4	WSE 1	WSE 2	WSE 4	WSE 19	WSE 19	WSE 20	WSE 16	WSE 20	WSE 21
Depth	2.30 - 2.50	2.10 - 2.30	0.20 - 0.40	0.40 - 0.60	0.50 - 0.70	1.60 - 1.80	0.60 - 0.70	0.30 - 0.50	0.20 - 0.40	0.20 - 0.40	3.40 - 3.60	0.85 - 0.95
Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Ammonium Soil by Titration	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	28/07/2010	27/07/2010	28/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010
Asbestos Containing Material								26/07/2010	26/07/2010			
Boron Water Soluble	28/07/2010	28/07/2010	27/07/2010	27/07/2010	27/07/2010	28/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010
EPH CWG (Aliphatic) GC (S)							29/07/2010					28/07/2010
EPH CWG (Aromatic) GC (S)							29/07/2010					28/07/2010
GRO by GC-FID (S)							30/07/2010					30/07/2010
Hexavalent Chromium (s)	28/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	28/07/2010	28/07/2010	28/07/2010	28/07/2010
Metals by iCap-OES (Soil)	28/07/2010	28/07/2010	28/07/2010	28/07/2010	28/07/2010	28/07/2010	28/07/2010	28/07/2010	28/07/2010	28/07/2010	28/07/2010	28/07/2010
PAH by GCMS							30/07/2010					30/07/2010
PCBs (vs Aroclor 1254)							29/07/2010					29/07/2010
pH	26/07/2010	27/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	28/07/2010	26/07/2010	26/07/2010	26/07/2010
Sample description	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010
Semi Volatile Organic Compounds							27/07/2010					27/07/2010
Total Organic Carbon												
TPH c6-40 Value of soil	28/07/2010	28/07/2010			28/07/2010	28/07/2010			28/07/2010			
TPH CWG GC (S)							30/07/2010					30/07/2010
VOC MS (S)							03/08/2010					03/08/2010
Water Soluble Sulphate 2:1	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	28/07/2010	28/07/2010	28/07/2010	28/07/2010	27/07/2010	27/07/2010

1864945	1864958	1864965	1864968	1864982	1864989	1865056	1865078	1865960	1865961	1865964
WSE 24	WSE 24	WSE 26	WSE 23	WSE 23	WSE 22	WSE 25	WSE 26	WSE 16	WSE 16	WSE 17
0.30 - 0.50	4.40 - 4.60	2.00 - 2.30	1.20 - 1.40	0.70 - 1.00	0.40 - 0.60	0.20 - 0.50	0.10 - 0.30	1.40 - 1.60	0.50 - 0.70	2.80 - 3.00
SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	28/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010
				26/07/2010	26/07/2010					
27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010	27/07/2010
				28/07/2010					28/07/2010	
				28/07/2010					28/07/2010	
				30/07/2010					30/07/2010	
28/07/2010	28/07/2010	28/07/2010	28/07/2010	28/07/2010	28/07/2010	28/07/2010	28/07/2010	28/07/2010	28/07/2010	28/07/2010
27/07/2010	28/07/2010	28/07/2010	28/07/2010	28/07/2010	28/07/2010	27/07/2010	28/07/2010	28/07/2010	28/07/2010	28/07/2010
				30/07/2010					27/07/2010	
				29/07/2010					29/07/2010	
26/07/2010	28/07/2010	28/07/2010	28/07/2010	28/07/2010	28/07/2010	28/07/2010	28/07/2010	28/07/2010	26/07/2010	28/07/2010
26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010	26/07/2010
				27/07/2010					28/07/2010	
		28/07/2010	28/07/2010			28/07/2010			28/07/2010	28/07/2010
28/07/2010	28/07/2010	28/07/2010	28/07/2010		28/07/2010		28/07/2010	28/07/2010		
				30/07/2010					30/07/2010	
				30/07/2010					30/07/2010	
27/07/2010	27/07/2010	28/07/2010	28/07/2010	28/07/2010	27/07/2010	27/07/2010	28/07/2010	27/07/2010	27/07/2010	27/07/2010

Validated

ALcontrol Laboratories Analytical Services

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSE 1	WSE 16	WSE 16	WSE 16	WSE 17	WSE 19
			Depth (m)	0.40 - 0.60	0.20 - 0.40	0.50 - 0.70	1.40 - 1.60	2.80 - 3.00	0.30 - 0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010
			Date Received	24/07/2010	24/07/2010	24/07/2010	24/07/2010	24/07/2010	24/07/2010
			SDG Ref	100726-8	100726-8	100726-8	100726-8	100726-8	100726-8
			Lab Sample No.(s)	1864569	1864750	1865961	1865960	1865964	1864709
Asbestos Containing Material Screen	-	TM001							No ACM Detected
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024		<15 M	<15 M	114 M	<15 M	35.5 M	<15 M
Sulphate, 2:1 water soluble	<0.003 g/l	TM098		0.0329 M	0.109 M	0.308 M	0.308 M	1.76 M	0.113 M
Soil Organic Matter (SOM)	<0.35 %	TM132				1.91 #		3.9 #	
pH	1 pH Units	TM133		8 M	8.23 M	7.47 M	7.91 M	5.98 M	8.64 M
Chromium, Hexavalent	<0.6 mg/kg	TM151		<0.6 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #	9.06 #
TPH >C6-C8	<10 mg/kg	TM154					<10		
TPH >C8-C10	<10 mg/kg	TM154					<10		
TPH >C10-C12	<10 mg/kg	TM154					<10		
TPH >C12-C16	<10 mg/kg	TM154					<10		
TPH >C16-C21	<10 mg/kg	TM154					<10		
TPH >C21-C40	<10 mg/kg	TM154					<10		
TPH >C6-C40	<10 mg/kg	TM154					<10 #		
Arsenic	<0.6 mg/kg	TM181		13 M	10.7 M	10.4 M	6.75 M	6.11 M	18.7 M
Cadmium	<0.02 mg/kg	TM181		0.458 M	0.524 M	0.645 M	2.2 M	0.114 M	0.621 M
Chromium	<0.9 mg/kg	TM181		33.8 M	15.6 M	47.5 M	37 M	45.2 M	32.8 M
Copper	<1.4 mg/kg	TM181		14.8 M	22.6 M	18.2 M	28.1 M	37.2 M	69.8 M
Lead	<0.7 mg/kg	TM181		25.2 M	40.3 M	19.3 M	12 M	12.4 M	108 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		26.1 M	19.6 M	25.7 M	113 M	18.5 M	21 M
Selenium	<1 mg/kg	TM181		<1 #	<1 #	1.2 #	3.27 #	1.6 #	<1 #
Zinc	<1.9 mg/kg	TM181		83.8 M	133 M	97 M	392 M	49.8 M	319 M
Boron, water soluble	<1 mg/kg	TM222		1.09 M	<1 M	1.53 M	<1 M	3.26 M	1.27 M

Validated

ALcontrol Laboratories Analytical Services

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSE 16
Depth (m)	0.50 - 0.70
Sample Type	Soil/Solid
Date Sampled	22/07/2010
Date Received	24/07/2010
SDG Ref	100726-8
Lab Sample No.(s)	1865961

Component	LOD/Units	Method		
Naphthalene-d8 % recovery**	%	TM218	108	
Acenaphthene-d10 % recovery**	%	TM218	105	
Phenanthrene-d10 % recovery**	%	TM218	105	
Chrysene-d12 % recovery**	%	TM218	88.9	
Perylene-d12 % recovery**	%	TM218	97.2	
Naphthalene	<0.009 mg/kg	TM218	0.0164	M
Acenaphthylene	<0.012 mg/kg	TM218	<0.012	M
Acenaphthene	<0.008 mg/kg	TM218	<0.008	M
Fluorene	<0.01 mg/kg	TM218	<0.01	M
Phenanthrene	<0.015 mg/kg	TM218	0.0437	M
Anthracene	<0.016 mg/kg	TM218	<0.016	M
Fluoranthene	<0.017 mg/kg	TM218	0.121	M
Pyrene	<0.015 mg/kg	TM218	0.111	M
Benz(a)anthracene	<0.014 mg/kg	TM218	0.09	M
Chrysene	<0.01 mg/kg	TM218	0.0711	M
Benzo(b)fluoranthene	<0.015 mg/kg	TM218	0.128	M
Benzo(k)fluoranthene	<0.014 mg/kg	TM218	0.0418	M
Benzo(a)pyrene	<0.015 mg/kg	TM218	0.0646	M
Indeno(1,2,3-cd)pyrene	<0.018 mg/kg	TM218	0.0428	M
Dibenzo(a,h)anthracene	<0.023 mg/kg	TM218	<0.023	M
Benzo(g,h,i)perylene	<0.024 mg/kg	TM218	0.0589	M
Polyaromatic hydrocarbons, Total USEPA 16	<0.118 mg/kg	TM218	0.79	M

ALcontrol Laboratories Analytical Services

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

PCBs (vs Aroclor 1254)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSE 16
Depth (m)	0.50 - 0.70
Sample Type	Soil/Solid
Date Sampled	22/07/2010
Date Received	24/07/2010
SDG Ref	100726-8
Lab Sample No.(s)	1865961

Component	LOD/Units	Method	
PCBs (vs Aroclor 1254)	<0.035 mg/kg	TM070	<0.035 #

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSE 16
			Depth (m)	0.50 - 0.70
			Sample Type	Soil/Solid
			Date Sampled	22/07/2010
			Date Received	24/07/2010
			SDG Ref	100726-8
			Lab Sample No.(s)	1865961
Phenol	<0.1 mg/kg	TM157		<0.1
Pentachlorophenol	<0.1 mg/kg	TM157		<0.1
n-Nitroso-n-dipropylamine	<0.1 mg/kg	TM157		<0.1
Nitrobenzene	<0.1 mg/kg	TM157		<0.1
Isophorone	<0.1 mg/kg	TM157		<0.1
Hexachloroethane	<0.1 mg/kg	TM157		<0.1
Hexachlorocyclopentadiene	<0.1 mg/kg	TM157		<0.1
Hexachlorobutadiene	<0.1 mg/kg	TM157		<0.1
Hexachlorobenzene	<0.1 mg/kg	TM157		<0.1
n-Dioctyl phthalate	<0.1 mg/kg	TM157		<0.1
Dimethyl phthalate	<0.1 mg/kg	TM157		<0.1
Diethyl phthalate	<0.1 mg/kg	TM157		<0.1
n-Dibutyl phthalate	<0.1 mg/kg	TM157		<0.1
Dibenzofuran	<0.1 mg/kg	TM157		<0.1
Carbazole	<0.1 mg/kg	TM157		<0.1
Butylbenzyl phthalate	<0.1 mg/kg	TM157		<0.1
bis(2-Ethylhexyl) phthalate	<0.1 mg/kg	TM157		<0.1
bis(2-Chloroethoxy)methane	<0.1 mg/kg	TM157		<0.1
bis(2-Chloroethyl)ether	<0.1 mg/kg	TM157		<0.1
Azobenzene	<0.1 mg/kg	TM157		<0.1
4-Nitrophenol	<0.1 mg/kg	TM157		<0.1
4-Nitroaniline	<0.1 mg/kg	TM157		<0.1
4-Methylphenol	<0.1 mg/kg	TM157		<0.1
4-Chlorophenylphenylether	<0.1 mg/kg	TM157		<0.1
4-Chloroaniline	<0.1 mg/kg	TM157		<0.1
4-Chloro-3-methylphenol	<0.1 mg/kg	TM157		<0.1
4-Bromophenylphenylether	<0.1 mg/kg	TM157		<0.1
3-Nitroaniline	<0.1 mg/kg	TM157		<0.1
2-Nitrophenol	<0.1 mg/kg	TM157		<0.1
2-Nitroaniline	<0.1 mg/kg	TM157		<0.1
2-Methylphenol	<0.1 mg/kg	TM157		<0.1
1,2,4-Trichlorobenzene	<0.1 mg/kg	TM157		<0.1
2-Chlorophenol	<0.1 mg/kg	TM157		<0.1
2,6-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1
2,4-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1
2,4-Dimethylphenol	<0.1 mg/kg	TM157		<0.1
2,4-Dichlorophenol	<0.1 mg/kg	TM157		<0.1
2,4,6-Trichlorophenol	<0.1 mg/kg	TM157		<0.1
2,4,5-Trichlorophenol	<0.1 mg/kg	TM157		<0.1

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSE 16
Depth (m)	0.50 - 0.70
Sample Type	Soil/Solid
Date Sampled	22/07/2010
Date Received	24/07/2010
SDG Ref	100726-8
Lab Sample No.(s)	1865961

Component	LOD/Units	Method	
1,4-Dichlorobenzene	<0.1	mg/kg	TM157	<0.1
1,3-Dichlorobenzene	<0.1	mg/kg	TM157	<0.1
1,2-Dichlorobenzene	<0.1	mg/kg	TM157	<0.1
2-Chloronaphthalene	<0.1	mg/kg	TM157	<0.1
2-Methylnaphthalene	<0.1	mg/kg	TM157	<0.1
Acenaphthylene	<0.1	mg/kg	TM157	<0.1
Acenaphthene	<0.1	mg/kg	TM157	<0.1
Anthracene	<0.1	mg/kg	TM157	<0.1
Benzo(a)anthracene	<0.1	mg/kg	TM157	0.137
Benzo(b)fluoranthene	<0.1	mg/kg	TM157	0.13
Benzo(k)fluoranthene	<0.1	mg/kg	TM157	0.131
Benzo(a)pyrene	<0.1	mg/kg	TM157	0.171
Benzo(g,h,i)perylene	<0.1	mg/kg	TM157	<0.1
Chrysene	<0.1	mg/kg	TM157	0.168
Fluoranthene	<0.1	mg/kg	TM157	0.245
Fluorene	<0.1	mg/kg	TM157	<0.1
Indeno(1,2,3-cd)pyrene	<0.1	mg/kg	TM157	<0.1
Phenanthrene	<0.1	mg/kg	TM157	<0.1
Pyrene	<0.1	mg/kg	TM157	0.248
Naphthalene	<0.1	mg/kg	TM157	<0.1
Dibenzo(a,h)anthracene	<0.1	mg/kg	TM157	<0.1

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSE 16
Depth (m)	0.50 - 0.70
Sample Type	Soil/Solid
Date Sampled	22/07/2010
Date Received	24/07/2010
SDG Ref	100726-8
Lab Sample No.(s)	1865961

Component	LOD/Units	Method		
GRO Surrogate % recovery**	%	TM089	101	
GRO >C5-C12	<0.044 mg/kg	TM089	<0.044	
Benzene	<0.01 mg/kg	TM089	<0.01	M
Ethylbenzene	<0.003 mg/kg	TM089	<0.003	M
Toluene	<0.002 mg/kg	TM089	<0.002	M
m,p-Xylene	<0.006 mg/kg	TM089	<0.006	M
o-Xylene	<0.003 mg/kg	TM089	<0.003	M
m,p,o-Xylene	<0.01 mg/kg	TM089	<0.01	M
BTEX, Total	<0.01 mg/kg	TM089	<0.01	M
Methyl tertiary butyl ether (MTBE)	<0.005 mg/kg	TM089	<0.005	#
Aliphatics >C5-C6	<0.01 mg/kg	TM089	<0.01	
Aliphatics >C6-C8	<0.01 mg/kg	TM089	<0.01	
Aliphatics >C8-C10	<0.01 mg/kg	TM089	<0.01	
Aliphatics >C10-C12	<0.01 mg/kg	TM089	<0.01	
Aromatics >C6-C7	<0.01 mg/kg	TM089	<0.01	
Aromatics >C7-C8	<0.01 mg/kg	TM089	<0.01	
Aromatics >EC8-EC10	<0.01 mg/kg	TM089	<0.01	
Aromatics >EC10-EC12	<0.01 mg/kg	TM089	<0.01	
Total Aliphatics >C5-C12	<0.01 mg/kg	TM089	<0.01	
Total Aromatics >C6-C12	<0.01 mg/kg	TM089	<0.01	
Aliphatics >C12-C16	<0.1 mg/kg	TM173	<0.1	
Aliphatics >C16-C21	<0.1 mg/kg	TM173	<0.1	
Aliphatics >C16-C35	<0.1 mg/kg	TM173	2.08	
Aliphatics >C21-C35	<0.1 mg/kg	TM173	2.08	
Aliphatics >C35-C44	<0.1 mg/kg	TM173	<0.1	
Aromatics >EC12-EC16	<0.1 mg/kg	TM173	<0.1	
Aromatics >EC16-EC21	<0.1 mg/kg	TM173	0.406	
Aromatics >EC21-EC35	<0.1 mg/kg	TM173	20	
Aromatics >EC35-EC44	<0.1 mg/kg	TM173	4.4	
Aromatics >EC40-EC44	<0.1 mg/kg	TM173	<0.1	
Total Aliphatics >C12-C44	<0.1 mg/kg	TM173	2.08	
Total Aromatics >EC12-EC44	<0.1 mg/kg	TM173	24.8	
Total Aliphatics >C5-35	<0.1 mg/kg	TM173	2.08	
Total Aliphatics >C5-C44	<0.1 mg/kg	TM173	2.08	
Total Aromatics >C5-35	<0.1 mg/kg	TM173	20.4	
Total Aromatics >C6-C44	<0.1 mg/kg	TM173	24.8	
Total Aliphatics & Aromatics >C5-35	<0.1 mg/kg	TM173	22.5	
Total Aliphatics & Aromatics >C5-C44	<0.1 mg/kg	TM173	26.9	

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSE 16
Depth (m)	0.50 - 0.70
Sample Type	Soil/Solid
Date Sampled	22/07/2010
Date Received	24/07/2010
SDG Ref	100726-8
Lab Sample No.(s)	1865961

Component	LOD/Units	Method		
Dibromofluoromethane**	%	TM116	102	
Toluene-d8**	%	TM116	98.7	
4-Bromofluorobenzene**	%	TM116	126	
Dichlorodifluoromethane	<0.004 mg/kg	TM116	<0.004	M
Chloromethane	<0.007 mg/kg	TM116	<0.007	#
Vinyl Chloride	<0.01 mg/kg	TM116	<0.01	#
Bromomethane	<0.013 mg/kg	TM116	<0.013	M
Chloroethane	<0.014 mg/kg	TM116	<0.014	M
Trichlorofluorormethane	<0.006 mg/kg	TM116	<0.006	M
1.1-Dichloroethene	<0.01 mg/kg	TM116	<0.01	#
Carbon Disulphide	<0.007 mg/kg	TM116	0.0312	M
Dichloromethane	<0.01 mg/kg	TM116	<0.01	#
Methyl Tertiary Butyl Ether	<0.011 mg/kg	TM116	<0.011	M
trans-1-2-Dichloroethene	<0.011 mg/kg	TM116	<0.011	M
1.1-Dichloroethane	<0.008 mg/kg	TM116	<0.008	M
cis-1-2-Dichloroethene	<0.005 mg/kg	TM116	<0.005	M
2.2-Dichloropropane	<0.012 mg/kg	TM116	<0.012	M
Bromochloromethane	<0.014 mg/kg	TM116	<0.014	M
Chloroform	<0.008 mg/kg	TM116	<0.008	M
1.1.1-Trichloroethane	<0.007 mg/kg	TM116	<0.007	M
1.1-Dichloropropene	<0.011 mg/kg	TM116	<0.011	M
Carbontetrachloride	<0.014 mg/kg	TM116	<0.014	M
1.2-Dichloroethane	<0.005 mg/kg	TM116	<0.005	M
Benzene	<0.009 mg/kg	TM116	<0.009	M
Trichloroethene	<0.009 mg/kg	TM116	<0.009	M
1.2-Dichloropropane	<0.012 mg/kg	TM116	<0.012	M
Dibromomethane	<0.009 mg/kg	TM116	<0.009	M
Bromodichloromethane	<0.007 mg/kg	TM116	<0.007	M
cis-1-3-Dichloropropene	<0.014 mg/kg	TM116	<0.014	M
Toluene	<0.005 mg/kg	TM116	<0.005	M
trans-1-3-Dichloropropene	<0.014 mg/kg	TM116	<0.014	
1.1.2-Trichloroethane	<0.01 mg/kg	TM116	<0.01	M
1.3-Dichloropropane	<0.007 mg/kg	TM116	<0.007	#
Tetrachloroethene	<0.005 mg/kg	TM116	<0.005	M
Dibromochloromethane	<0.013 mg/kg	TM116	<0.013	M
1.2-Dibromoethane	<0.012 mg/kg	TM116	<0.012	M
Chorobenzene	<0.005 mg/kg	TM116	<0.005	M
1.1.1.2-Tetrachloroethane	<0.01 mg/kg	TM116	<0.01	M
Ethylbenzene	<0.004 mg/kg	TM116	<0.004	M

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSE 16
Depth (m)	0.50 - 0.70
Sample Type	Soil/Solid
Date Sampled	22/07/2010
Date Received	24/07/2010
SDG Ref	100726-8
Lab Sample No.(s)	1865961

Component	LOD/Units	Method	
p/m-Xylene	<0.014	mg/kg	TM116	<0.014 #
o-Xylene	<0.01	mg/kg	TM116	<0.01 M
Styrene	<0.01	mg/kg	TM116	<0.01 M
Bromoform	<0.01	mg/kg	TM116	<0.01 M
Isopropylbenzene	<0.005	mg/kg	TM116	<0.005 M
1.1.2.2-Tetrachloroethane	<0.01	mg/kg	TM116	<0.01 #
1.2.3-Trichloropropane	<0.017	mg/kg	TM116	<0.017 M
Bromobenzene	<0.01	mg/kg	TM116	<0.01 M
Propylbenzene	<0.011	mg/kg	TM116	<0.011 M
2-Chlorotoluene	<0.009	mg/kg	TM116	<0.009 M
1.3.5-Trimethylbenzene	<0.008	mg/kg	TM116	<0.008 #
4-Chlorotoluene	<0.012	mg/kg	TM116	<0.012 M
tert-Butylbenzene	<0.012	mg/kg	TM116	<0.012 #
1.2.4-Trimethylbenzene	<0.009	mg/kg	TM116	<0.009 #
sec-Butylbenzene	<0.01	mg/kg	TM116	<0.01 M
4-Isopropyltoluene	<0.011	mg/kg	TM116	<0.011 M
1.3-Dichlorobenzene	<0.006	mg/kg	TM116	<0.006 M
1.4-Dichlorobenzene	<0.005	mg/kg	TM116	<0.005 M
n-Butylbenzene	<0.01	mg/kg	TM116	<0.01 M
1.2-Dichlorobenzene	<0.012	mg/kg	TM116	<0.012 M
1.2-Dibromo-3-chloropropane	<0.014	mg/kg	TM116	<0.014 M
Tert-amyl methyl ether	<0.015	mg/kg	TM116	<0.015
1.2.4-Trichlorobenzene	<0.006	mg/kg	TM116	<0.006 #
Hexachlorobutadiene	<0.012	mg/kg	TM116	<0.012 M
Naphthalene	<0.013	mg/kg	TM116	<0.013 M
1.2.3-Trichlorobenzene	<0.006	mg/kg	TM116	<0.006 M

Validated

ALcontrol Laboratories Analytical Services

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSE 19	WSE 2	WSE 2	WSE 20	WSE 20	WSE 21
			Depth (m)	0.60 - 0.70	0.50 - 0.70	2.10 - 2.30	0.20 - 0.40	3.40 - 3.60	0.85 - 0.95
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010	22/07/2010
			Date Received	24/07/2010	24/07/2010	24/07/2010	24/07/2010	24/07/2010	24/07/2010
			SDG Ref	100726-8	100726-8	100726-8	100726-8	100726-8	100726-8
			Lab Sample No.(s)	1864700	1864588	1864517	1864714	1864829	1864863
Asbestos Containing Material Screen	-	TM001					No ACM Detected		
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024		<15 M	<15 M	<15 M	<15 M	<15 M	<15 M
Sulphate, 2:1 water soluble	<0.003 g/l	TM098		0.654 M	0.036 M	1.67 M	0.0785 M	0.0331 M	1.13 M
pH	1 pH Units	TM133		7.51 M	7.83 M	6.06 M	8.13 M	8.66 M	7.81 M
Chromium, Hexavalent	<0.6 mg/kg	TM151		2.55 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #
TPH >C6-C8	<10 mg/kg	TM154			<10	<10	<10		
TPH >C8-C10	<10 mg/kg	TM154			<10	<10	<10		
TPH >C10-C12	<10 mg/kg	TM154			<10	<10	<10		
TPH >C12-C16	<10 mg/kg	TM154			<10	<10	<10		
TPH >C16-C21	<10 mg/kg	TM154			<10	<10	<10		
TPH >C21-C40	<10 mg/kg	TM154			92.3	13.3	101		
TPH >C6-C40	<10 mg/kg	TM154			105 #	13.3 #	112 #		
Arsenic	<0.6 mg/kg	TM181		50.3 M	10.3 M	5.81 M	9.48 M	3.38 M	14.3 M
Cadmium	<0.02 mg/kg	TM181		5.99 M	0.458 M	0.508 M	0.697 M	0.103 M	0.253 M
Chromium	<0.9 mg/kg	TM181		92 M	29.2 M	35.4 M	53.2 M	2.81 M	20.6 M
Copper	<1.4 mg/kg	TM181		36200 M	12.5 M	16.2 M	313 M	2.35 M	56.3 M
Lead	<0.7 mg/kg	TM181		589 M	12.9 M	9.08 M	19.1 M	1.76 M	34.1 M
Mercury	<0.14 mg/kg	TM181		<1.4 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		913 M	24.4 M	32 M	47.6 M	4.08 M	37.1 M
Selenium	<1 mg/kg	TM181		<10 #	<1 #	1.54 #	1.27 #	<1 #	<1 #
Zinc	<1.9 mg/kg	TM181		24200 M	59.8 M	122 M	330 M	10.4 M	54.8 M
Boron, water soluble	<1 mg/kg	TM222		3.09 M	1.02 M	3.38 M	1.32 M	<1 M	<1 M

ALcontrol Laboratories Analytical Services

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSE 19	WSE 21
Depth (m)	0.60 - 0.70	0.85 - 0.95
Sample Type	Soil/Solid	Soil/Solid
Date Sampled	22/07/2010	22/07/2010
Date Received	24/07/2010	24/07/2010
SDG Ref	100726-8	100726-8
Lab Sample No.(s)	1864700	1864863

Component	LOD/Units	Method		
Naphthalene-d8 % recovery**	%	TM218	96.9	96.9
Acenaphthene-d10 % recovery**	%	TM218	97.3	98.4
Phenanthrene-d10 % recovery**	%	TM218	95.9	84.8
Chrysene-d12 % recovery**	%	TM218	93	51.9
Perylene-d12 % recovery**	%	TM218	93.5	44.6
Naphthalene	<0.009 mg/kg	TM218	0.139 M	0.204 M
Acenaphthylene	<0.012 mg/kg	TM218	0.0169 M	0.125 M
Acenaphthene	<0.008 mg/kg	TM218	0.143 M	0.115 M
Fluorene	<0.01 mg/kg	TM218	0.115 M	0.0735 M
Phenanthrene	<0.015 mg/kg	TM218	1.76 M	0.593 M
Anthracene	<0.016 mg/kg	TM218	0.344 M	0.124 M
Fluoranthene	<0.017 mg/kg	TM218	2.47 M	1.06 M
Pyrene	<0.015 mg/kg	TM218	2.07 M	0.865 M
Benz(a)anthracene	<0.014 mg/kg	TM218	1.07 M	0.421 M
Chrysene	<0.01 mg/kg	TM218	0.942 M	0.432 M
Benzo(b)fluoranthene	<0.015 mg/kg	TM218	1.33 M	0.765 M
Benzo(k)fluoranthene	<0.014 mg/kg	TM218	0.458 M	0.236 M
Benzo(a)pyrene	<0.015 mg/kg	TM218	1.03 M	0.406 M
Indeno(1,2,3-cd)pyrene	<0.018 mg/kg	TM218	0.552 M	0.199 M
Dibenzo(a,h)anthracene	<0.023 mg/kg	TM218	0.149 M	0.0695 M
Benzo(g,h,i)perylene	<0.024 mg/kg	TM218	0.649 M	0.27 M
Polyaromatic hydrocarbons, Total USEPA 16	<0.118 mg/kg	TM218	13.2 M	5.96 M

Validated

ALcontrol Laboratories Analytical Services

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

PCBs (vs Aroclor 1254)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.		WSE 19	WSE 21
	Depth (m)	0.60 - 0.70	0.85 - 0.95
	Sample Type	Soil/Solid	Soil/Solid
	Date Sampled	22/07/2010	22/07/2010
	Date Received	24/07/2010	24/07/2010
	SDG Ref	100726-8	100726-8
	Lab Sample No.(s)	1864700	1864863

Component	LOD/Units	Method		
PCBs (vs Aroclor 1254)	<0.035 mg/kg	TM070	<0.035 #	<0.035 #

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSE 19	WSE 21
			Depth (m)	0.60 - 0.70	0.85 - 0.95
			Sample Type	Soil/Solid	Soil/Solid
			Date Sampled	22/07/2010	22/07/2010
			Date Received	24/07/2010	24/07/2010
			SDG Ref	100726-8	100726-8
			Lab Sample No.(s)	1864700	1864863
Phenol	<0.1 mg/kg	TM157		<0.1	<0.1
Pentachlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1
n-Nitroso-n-dipropylamine	<0.1 mg/kg	TM157		<0.1	<0.1
Nitrobenzene	<0.1 mg/kg	TM157		<0.1	<0.1
Isophorone	<0.1 mg/kg	TM157		<0.1	<0.1
Hexachloroethane	<0.1 mg/kg	TM157		<0.1	<0.1
Hexachlorocyclopentadiene	<0.1 mg/kg	TM157		<0.1	<0.1
Hexachlorobutadiene	<0.1 mg/kg	TM157		<0.1	<0.1
Hexachlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1
n-Dioctyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1
Dimethyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1
Diethyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1
n-Dibutyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1
Dibenzofuran	<0.1 mg/kg	TM157		<0.1	<0.1
Carbazole	<0.1 mg/kg	TM157		0.218	<0.1
Butylbenzyl phthalate	<0.1 mg/kg	TM157		<0.1	<0.1
bis(2-Ethylhexyl) phthalate	<0.1 mg/kg	TM157		<0.1	<0.1
bis(2-Chloroethoxy)methane	<0.1 mg/kg	TM157		<0.1	<0.1
bis(2-Chloroethyl)ether	<0.1 mg/kg	TM157		<0.1	<0.1
Azobenzene	<0.1 mg/kg	TM157		<0.1	<0.1
4-Nitrophenol	<0.1 mg/kg	TM157		<0.1	<0.1
4-Nitroaniline	<0.1 mg/kg	TM157		<0.1	<0.1
4-Methylphenol	<0.1 mg/kg	TM157		<0.1	<0.1
4-Chlorophenylphenylether	<0.1 mg/kg	TM157		<0.1	<0.1
4-Chloroaniline	<0.1 mg/kg	TM157		<0.1	<0.1
4-Chloro-3-methylphenol	<0.1 mg/kg	TM157		<0.1	<0.1
4-Bromophenylphenylether	<0.1 mg/kg	TM157		<0.1	<0.1
3-Nitroaniline	<0.1 mg/kg	TM157		<0.1	<0.1
2-Nitrophenol	<0.1 mg/kg	TM157		<0.1	<0.1
2-Nitroaniline	<0.1 mg/kg	TM157		<0.1	<0.1
2-Methylphenol	<0.1 mg/kg	TM157		<0.1	<0.1
1,2,4-Trichlorobenzene	<0.1 mg/kg	TM157		<0.1	<0.1
2-Chlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1
2,6-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1	<0.1
2,4-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1	<0.1
2,4-Dimethylphenol	<0.1 mg/kg	TM157		<0.1	<0.1
2,4-Dichlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1
2,4,6-Trichlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1
2,4,5-Trichlorophenol	<0.1 mg/kg	TM157		<0.1	<0.1

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSE 19	WSE 21
Depth (m)	0.60 - 0.70	0.85 - 0.95
Sample Type	Soil/Solid	Soil/Solid
Date Sampled	22/07/2010	22/07/2010
Date Received	24/07/2010	24/07/2010
SDG Ref	100726-8	100726-8
Lab Sample No.(s)	1864700	1864863

Component	LOD/Units	Method		
1,4-Dichlorobenzene	<0.1 mg/kg	TM157	<0.1	<0.1
1,3-Dichlorobenzene	<0.1 mg/kg	TM157	<0.1	<0.1
1,2-Dichlorobenzene	<0.1 mg/kg	TM157	<0.1	<0.1
2-Chloronaphthalene	<0.1 mg/kg	TM157	<0.1	<0.1
2-Methylnaphthalene	<0.1 mg/kg	TM157	<0.1	<0.1
Acenaphthylene	<0.1 mg/kg	TM157	<0.1	<0.1
Acenaphthene	<0.1 mg/kg	TM157	0.156	<0.1
Anthracene	<0.1 mg/kg	TM157	0.356	<0.1
Benzo(a)anthracene	<0.1 mg/kg	TM157	0.862	0.253
Benzo(b)fluoranthene	<0.1 mg/kg	TM157	0.829	0.521
Benzo(k)fluoranthene	<0.1 mg/kg	TM157	0.615	0.345
Benzo(a)pyrene	<0.1 mg/kg	TM157	1.11	0.568
Benzo(g,h,i)perylene	<0.1 mg/kg	TM157	0.588	0.542
Chrysene	<0.1 mg/kg	TM157	0.973	0.328
Fluoranthene	<0.1 mg/kg	TM157	2.12	0.441
Fluorene	<0.1 mg/kg	TM157	0.122	<0.1
Indeno(1,2,3-cd)pyrene	<0.1 mg/kg	TM157	0.582	0.52
Phenanthrene	<0.1 mg/kg	TM157	1.74	0.179
Pyrene	<0.1 mg/kg	TM157	1.9	0.432
Naphthalene	<0.1 mg/kg	TM157	0.148	<0.1
Dibenzo(a,h)anthracene	<0.1 mg/kg	TM157	0.121	<0.1

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSE 19	WSE 21
Depth (m)	0.60 - 0.70	0.85 - 0.95
Sample Type	Soil/Solid	Soil/Solid
Date Sampled	22/07/2010	22/07/2010
Date Received	24/07/2010	24/07/2010
SDG Ref	100726-8	100726-8
Lab Sample No.(s)	1864700	1864863

Component	LOD/Units	Method		
GRO Surrogate % recovery**	%	TM089	24	6
GRO >C5-C12	<0.044 mg/kg	TM089	0.655	0.131
Benzene	<0.01 mg/kg	TM089	<0.01 M	<0.01 M
Ethylbenzene	<0.003 mg/kg	TM089	<0.003 M	<0.003 M
Toluene	<0.002 mg/kg	TM089	<0.002 M	<0.002 M
m,p-Xylene	<0.006 mg/kg	TM089	<0.006 M	<0.006 M
o-Xylene	<0.003 mg/kg	TM089	<0.003 M	<0.003 M
m,p,o-Xylene	<0.01 mg/kg	TM089	<0.01 M	<0.01 M
BTEX, Total	<0.01 mg/kg	TM089	<0.01 M	<0.01 M
Methyl tertiary butyl ether (MTBE)	<0.005 mg/kg	TM089	<0.005 #	<0.005 #
Aliphatics >C5-C6	<0.01 mg/kg	TM089	<0.01	<0.01
Aliphatics >C6-C8	<0.01 mg/kg	TM089	0.0524	0.0158
Aliphatics >C8-C10	<0.01 mg/kg	TM089	0.0241	<0.01
Aliphatics >C10-C12	<0.01 mg/kg	TM089	0.209	0.0332
Aromatics >C6-C7	<0.01 mg/kg	TM089	<0.01	<0.01
Aromatics >C7-C8	<0.01 mg/kg	TM089	<0.01	<0.01
Aromatics >EC8-EC10	<0.01 mg/kg	TM089	0.0362	<0.01
Aromatics >EC10-EC12	<0.01 mg/kg	TM089	0.313	0.0498
Total Aliphatics >C5-C12	<0.01 mg/kg	TM089	0.285	0.049
Total Aromatics >C6-C12	<0.01 mg/kg	TM089	0.349	0.0498
Aliphatics >C12-C16	<0.1 mg/kg	TM173	5.07	4.55
Aliphatics >C16-C21	<0.1 mg/kg	TM173	4.57	6.79
Aliphatics >C16-C35	<0.1 mg/kg	TM173	40.4	44.9
Aliphatics >C21-C35	<0.1 mg/kg	TM173	35.8	38.1
Aliphatics >C35-C44	<0.1 mg/kg	TM173	30.7	21.2
Aromatics >EC12-EC16	<0.1 mg/kg	TM173	4.23	<0.1
Aromatics >EC16-EC21	<0.1 mg/kg	TM173	8.03	7.1
Aromatics >EC21-EC35	<0.1 mg/kg	TM173	66.2	62.3
Aromatics >EC35-EC44	<0.1 mg/kg	TM173	51.3	62.8
Aromatics >EC40-EC44	<0.1 mg/kg	TM173	25.9	28.4
Total Aliphatics >C12-C44	<0.1 mg/kg	TM173	76.2	70.7
Total Aromatics >EC12-EC44	<0.1 mg/kg	TM173	130	132
Total Aliphatics >C5-35	<0.1 mg/kg	TM173	45.7	49.5
Total Aliphatics >C5-C44	<0.1 mg/kg	TM173	76.5	70.7
Total Aromatics >C5-35	<0.1 mg/kg	TM173	78.8	69.4
Total Aromatics >C6-C44	<0.1 mg/kg	TM173	130	132
Total Aliphatics & Aromatics >C5-35	<0.1 mg/kg	TM173	125	119
Total Aliphatics & Aromatics >C5-C44	<0.1 mg/kg	TM173	207	203

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSE 19	WSE 21
			Depth (m)	0.60 - 0.70	0.85 - 0.95
			Sample Type	Soil/Solid	Soil/Solid
			Date Sampled	22/07/2010	22/07/2010
			Date Received	24/07/2010	24/07/2010
			SDG Ref	100726-8	100726-8
			Lab Sample No.(s)	1864700	1864863
Dibromofluoromethane**	%	TM116		46.8	101
Toluene-d8**	%	TM116		99.8	99.9
4-Bromofluorobenzene**	%	TM116		138	137
Dichlorodifluoromethane	<0.004 mg/kg	TM116		<0.004 M	<0.04 M
Chloromethane	<0.007 mg/kg	TM116		<0.007 #	<0.07 #
Vinyl Chloride	<0.01 mg/kg	TM116		<0.01 #	<0.1 #
Bromomethane	<0.013 mg/kg	TM116		<0.013 M	<0.13 M
Chloroethane	<0.014 mg/kg	TM116		<0.014 M	<0.14 M
Trichlorofluorormethane	<0.006 mg/kg	TM116		<0.006 M	<0.06 M
1.1-Dichloroethene	<0.01 mg/kg	TM116		<0.01 #	<0.1 #
Carbon Disulphide	<0.007 mg/kg	TM116		<0.007 M	<0.07 M
Dichloromethane	<0.01 mg/kg	TM116		<0.01 #	<0.1 #
Methyl Tertiary Butyl Ether	<0.011 mg/kg	TM116		<0.011 M	<0.11 M
trans-1-2-Dichloroethene	<0.011 mg/kg	TM116		<0.011 M	<0.11 M
1.1-Dichloroethane	<0.008 mg/kg	TM116		<0.008 M	<0.08 M
cis-1-2-Dichloroethene	<0.005 mg/kg	TM116		<0.005 M	<0.05 M
2.2-Dichloropropane	<0.012 mg/kg	TM116		<0.012 M	<0.12 M
Bromochloromethane	<0.014 mg/kg	TM116		<0.014 M	<0.14 M
Chloroform	<0.008 mg/kg	TM116		<0.008 M	<0.08 M
1.1.1-Trichloroethane	<0.007 mg/kg	TM116		<0.007 M	<0.07 M
1.1-Dichloropropene	<0.011 mg/kg	TM116		<0.011 M	<0.11 M
Carbontetrachloride	<0.014 mg/kg	TM116		<0.014 M	<0.14 M
1.2-Dichloroethane	<0.005 mg/kg	TM116		<0.005 M	<0.05 M
Benzene	<0.009 mg/kg	TM116		<0.009 M	<0.09 M
Trichloroethene	<0.009 mg/kg	TM116		0.0719 M	0.248 M
1.2-Dichloropropane	<0.012 mg/kg	TM116		<0.012 M	<0.12 M
Dibromomethane	<0.009 mg/kg	TM116		<0.009 M	<0.09 M
Bromodichloromethane	<0.007 mg/kg	TM116		<0.007 M	<0.07 M
cis-1-3-Dichloropropene	<0.014 mg/kg	TM116		<0.014 M	<0.14 M
Toluene	<0.005 mg/kg	TM116		<0.005 M	<0.05 M
trans-1-3-Dichloropropene	<0.014 mg/kg	TM116		<0.014	<0.14
1.1.2-Trichloroethane	<0.01 mg/kg	TM116		<0.01 M	<0.1 M
1.3-Dichloropropane	<0.007 mg/kg	TM116		<0.007 #	<0.07 #
Tetrachloroethene	<0.005 mg/kg	TM116		<0.005 M	<0.05 M
Dibromochloromethane	<0.013 mg/kg	TM116		<0.013 M	<0.13 M
1.2-Dibromoethane	<0.012 mg/kg	TM116		<0.012 M	<0.12 M
Chorobenzene	<0.005 mg/kg	TM116		<0.005 M	<0.05 M
1.1.1.2-Tetrachloroethane	<0.01 mg/kg	TM116		<0.01 M	<0.1 M
Ethylbenzene	<0.004 mg/kg	TM116		0.00573 M	<0.04 M

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSE 19	WSE 21
Depth (m)	0.60 - 0.70	0.85 - 0.95
Sample Type	Soil/Solid	Soil/Solid
Date Sampled	22/07/2010	22/07/2010
Date Received	24/07/2010	24/07/2010
SDG Ref	100726-8	100726-8
Lab Sample No.(s)	1864700	1864863

Component	LOD/Units	Method		
p/m-Xylene	<0.014 mg/kg	TM116	<0.014 #	<0.14 #
o-Xylene	<0.01 mg/kg	TM116	<0.01 M	<0.1 M
Styrene	<0.01 mg/kg	TM116	<0.01 M	<0.1 M
Bromoform	<0.01 mg/kg	TM116	<0.01 M	<0.1 M
Isopropylbenzene	<0.005 mg/kg	TM116	<0.005 M	<0.05 M
1.1.2.2-Tetrachloroethane	<0.01 mg/kg	TM116	<0.01 #	<0.1 #
1.2.3-Trichloropropane	<0.017 mg/kg	TM116	<0.017 M	<0.17 M
Bromobenzene	<0.01 mg/kg	TM116	<0.01 M	<0.1 M
Propylbenzene	<0.011 mg/kg	TM116	<0.011 M	<0.11 M
2-Chlorotoluene	<0.009 mg/kg	TM116	<0.009 M	<0.09 M
1.3.5-Trimethylbenzene	<0.008 mg/kg	TM116	<0.008 #	<0.08 #
4-Chlorotoluene	<0.012 mg/kg	TM116	<0.012 M	<0.12 M
tert-Butylbenzene	<0.012 mg/kg	TM116	<0.012 #	<0.12 #
1.2.4-Trimethylbenzene	<0.009 mg/kg	TM116	<0.009 #	<0.09 #
sec-Butylbenzene	<0.01 mg/kg	TM116	<0.01 M	<0.1 M
4-Isopropyltoluene	<0.011 mg/kg	TM116	<0.011 M	<0.11 M
1.3-Dichlorobenzene	<0.006 mg/kg	TM116	<0.006 M	<0.06 M
1.4-Dichlorobenzene	<0.005 mg/kg	TM116	<0.005 M	<0.05 M
n-Butylbenzene	<0.01 mg/kg	TM116	<0.01 M	<0.1 M
1.2-Dichlorobenzene	<0.012 mg/kg	TM116	<0.012 M	<0.12 M
1.2-Dibromo-3-chloropropane	<0.014 mg/kg	TM116	<0.014 M	<0.14 M
Tert-amyl methyl ether	<0.015 mg/kg	TM116	<0.015	<0.15
1.2.4-Trichlorobenzene	<0.006 mg/kg	TM116	<0.006 #	<0.06 #
Hexachlorobutadiene	<0.012 mg/kg	TM116	<0.012 M	<0.12 M
Naphthalene	<0.013 mg/kg	TM116	<0.013 M	<0.13 M
1.2.3-Trichlorobenzene	<0.006 mg/kg	TM116	<0.006 M	<0.06 M

Validated

ALcontrol Laboratories Analytical Services

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSE 22	WSE 23	WSE 23	WSE 24	WSE 24	WSE 25
			Depth (m)	0.40 - 0.60	0.70 - 1.00	1.20 - 1.40	0.30 - 0.50	4.40 - 4.60	0.20 - 0.50
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	23/07/2010	23/07/2010	23/07/2010	23/07/2010	23/07/2010	23/07/2010
			Date Received	24/07/2010	24/07/2010	24/07/2010	24/07/2010	24/07/2010	24/07/2010
			SDG Ref	100726-8	100726-8	100726-8	100726-8	100726-8	100726-8
			Lab Sample No.(s)	1864989	1864982	1864968	1864945	1864958	1865056
Asbestos Containing Material Screen	-	TM001		No ACM Detected	No ACM Detected				
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024		<15 M	18.6 M	<15 M	<15 M	<15 M	18.2 M
Sulphate, 2:1 water soluble	<0.003 g/l	TM098		0.0842 M	0.0949 M	0.0774 M	0.0463 M	0.438 M	0.0161 M
Soil Organic Matter (SOM)	<0.35 %	TM132				3.02 #			1.16 #
pH	1 pH Units	TM133		8.88 M	7.83 M	7.33 M	6.92 M	8.03 M	7.31 M
Chromium, Hexavalent	<0.6 mg/kg	TM151		<0.6 #	<0.6 #	<1.2 #	<0.6 #	<0.6 #	<1.2 #
TPH >C6-C8	<10 mg/kg	TM154		<10		<10	<10	<10	
TPH >C8-C10	<10 mg/kg	TM154		<10		<10	<10	<10	
TPH >C10-C12	<10 mg/kg	TM154		<10		<10	<10	<10	
TPH >C12-C16	<10 mg/kg	TM154		<10		<10	<10	<10	
TPH >C16-C21	<10 mg/kg	TM154		26		12.6	<10	<10	
TPH >C21-C40	<10 mg/kg	TM154		218		147	187	111	
TPH >C6-C40	<10 mg/kg	TM154		249 #		165 #	199 #	119 #	
Arsenic	<0.6 mg/kg	TM181		12.7 M	12.9 M	8.47 M	9.59 M	7.63 M	9.21 M
Cadmium	<0.02 mg/kg	TM181		0.737 M	0.661 M	0.339 M	0.297 M	0.207 M	0.564 M
Chromium	<0.9 mg/kg	TM181		19.8 M	27.3 M	24.9 M	29.8 M	12.7 M	30.5 M
Copper	<1.4 mg/kg	TM181		30.4 M	88.8 M	13.9 M	19.4 M	8 M	12.2 M
Lead	<0.7 mg/kg	TM181		51.8 M	113 M	22.9 M	25.8 M	6.59 M	16.7 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		22.7 M	31.3 M	18.4 M	19 M	19.8 M	37.9 M
Selenium	<1 mg/kg	TM181		<1 #	1.05 #	<1 #	1.09 #	<1 #	1.05 #
Zinc	<1.9 mg/kg	TM181		270 M	179 M	64.2 M	104 M	24.2 M	77.1 M
Boron, water soluble	<1 mg/kg	TM222		1.41 M	1.55 M	1.32 M	<1 M	6.61 M	<1 M

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSE 23
Depth (m)	0.70 - 1.00
Sample Type	Soil/Solid
Date Sampled	23/07/2010
Date Received	24/07/2010
SDG Ref	100726-8
Lab Sample No.(s)	1864982

Component	LOD/Units	Method		
Naphthalene-d8 % recovery**	%	TM218	98	
Acenaphthene-d10 % recovery**	%	TM218	96.9	
Phenanthrene-d10 % recovery**	%	TM218	96.7	
Chrysene-d12 % recovery**	%	TM218	97.1	
Perylene-d12 % recovery**	%	TM218	102	
Naphthalene	<0.009 mg/kg	TM218	0.0621	M
Acenaphthylene	<0.012 mg/kg	TM218	0.0721	M
Acenaphthene	<0.008 mg/kg	TM218	0.0688	M
Fluorene	<0.01 mg/kg	TM218	0.049	M
Phenanthrene	<0.015 mg/kg	TM218	0.946	M
Anthracene	<0.016 mg/kg	TM218	0.317	M
Fluoranthene	<0.017 mg/kg	TM218	3.36	M
Pyrene	<0.015 mg/kg	TM218	3.04	M
Benz(a)anthracene	<0.014 mg/kg	TM218	1.9	M
Chrysene	<0.01 mg/kg	TM218	1.78	M
Benzo(b)fluoranthene	<0.015 mg/kg	TM218	3.28	M
Benzo(k)fluoranthene	<0.014 mg/kg	TM218	1.36	M
Benzo(a)pyrene	<0.015 mg/kg	TM218	2.96	M
Indeno(1,2,3-cd)pyrene	<0.018 mg/kg	TM218	2.33	M
Dibenzo(a,h)anthracene	<0.023 mg/kg	TM218	0.503	M
Benzo(g,h,i)perylene	<0.024 mg/kg	TM218	2.7	M
Polyaromatic hydrocarbons, Total USEPA 16	<0.118 mg/kg	TM218	24.7	M

Validated

ALcontrol Laboratories Analytical Services

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

PCBs (vs Aroclor 1254)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSE 23
Depth (m)	0.70 - 1.00
Sample Type	Soil/Solid
Date Sampled	23/07/2010
Date Received	24/07/2010
SDG Ref	100726-8
Lab Sample No.(s)	1864982

Component	LOD/Units	Method	
PCBs (vs Aroclor 1254)	<0.035 mg/kg	TM070	<0.035 #

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSE 23
			Depth (m)	0.70 - 1.00
			Sample Type	Soil/Solid
			Date Sampled	23/07/2010
			Date Received	24/07/2010
			SDG Ref	100726-8
			Lab Sample No.(s)	1864982
Phenol	<0.1 mg/kg	TM157		<0.1
Pentachlorophenol	<0.1 mg/kg	TM157		<0.1
n-Nitroso-n-dipropylamine	<0.1 mg/kg	TM157		<0.1
Nitrobenzene	<0.1 mg/kg	TM157		<0.1
Isophorone	<0.1 mg/kg	TM157		<0.1
Hexachloroethane	<0.1 mg/kg	TM157		<0.1
Hexachlorocyclopentadiene	<0.1 mg/kg	TM157		<0.1
Hexachlorobutadiene	<0.1 mg/kg	TM157		<0.1
Hexachlorobenzene	<0.1 mg/kg	TM157		<0.1
n-Dioctyl phthalate	<0.1 mg/kg	TM157		<0.1
Dimethyl phthalate	<0.1 mg/kg	TM157		<0.1
Diethyl phthalate	<0.1 mg/kg	TM157		<0.1
n-Dibutyl phthalate	<0.1 mg/kg	TM157		<0.1
Dibenzofuran	<0.1 mg/kg	TM157		<0.1
Carbazole	<0.1 mg/kg	TM157		0.19
Butylbenzyl phthalate	<0.1 mg/kg	TM157		<0.1
bis(2-Ethylhexyl) phthalate	<0.1 mg/kg	TM157		<0.1
bis(2-Chloroethoxy)methane	<0.1 mg/kg	TM157		<0.1
bis(2-Chloroethyl)ether	<0.1 mg/kg	TM157		<0.1
Azobenzene	<0.1 mg/kg	TM157		<0.1
4-Nitrophenol	<0.1 mg/kg	TM157		<0.1
4-Nitroaniline	<0.1 mg/kg	TM157		<0.1
4-Methylphenol	<0.1 mg/kg	TM157		<0.1
4-Chlorophenylphenylether	<0.1 mg/kg	TM157		<0.1
4-Chloroaniline	<0.1 mg/kg	TM157		<0.1
4-Chloro-3-methylphenol	<0.1 mg/kg	TM157		<0.1
4-Bromophenylphenylether	<0.1 mg/kg	TM157		<0.1
3-Nitroaniline	<0.1 mg/kg	TM157		<0.1
2-Nitrophenol	<0.1 mg/kg	TM157		<0.1
2-Nitroaniline	<0.1 mg/kg	TM157		<0.1
2-Methylphenol	<0.1 mg/kg	TM157		<0.1
1,2,4-Trichlorobenzene	<0.1 mg/kg	TM157		<0.1
2-Chlorophenol	<0.1 mg/kg	TM157		<0.1
2,6-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1
2,4-Dinitrotoluene	<0.1 mg/kg	TM157		<0.1
2,4-Dimethylphenol	<0.1 mg/kg	TM157		<0.1
2,4-Dichlorophenol	<0.1 mg/kg	TM157		<0.1
2,4,6-Trichlorophenol	<0.1 mg/kg	TM157		<0.1
2,4,5-Trichlorophenol	<0.1 mg/kg	TM157		<0.1

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

Semi Volatile Organic Compounds

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSE 23
Depth (m)	0.70 - 1.00
Sample Type	Soil/Solid
Date Sampled	23/07/2010
Date Received	24/07/2010
SDG Ref	100726-8
Lab Sample No.(s)	1864982

Component	LOD/Units	Method	
1,4-Dichlorobenzene	<0.1	mg/kg	TM157	<0.1
1,3-Dichlorobenzene	<0.1	mg/kg	TM157	<0.1
1,2-Dichlorobenzene	<0.1	mg/kg	TM157	<0.1
2-Chloronaphthalene	<0.1	mg/kg	TM157	<0.1
2-Methylnaphthalene	<0.1	mg/kg	TM157	<0.1
Acenaphthylene	<0.1	mg/kg	TM157	<0.1
Acenaphthene	<0.1	mg/kg	TM157	<0.1
Anthracene	<0.1	mg/kg	TM157	0.328
Benzo(a)anthracene	<0.1	mg/kg	TM157	2.24
Benzo(b)fluoranthene	<0.1	mg/kg	TM157	3.88
Benzo(k)fluoranthene	<0.1	mg/kg	TM157	2.46
Benzo(a)pyrene	<0.1	mg/kg	TM157	4.4
Benzo(g,h,i)perylene	<0.1	mg/kg	TM157	3.16
Chrysene	<0.1	mg/kg	TM157	2.77
Fluoranthene	<0.1	mg/kg	TM157	4.55
Fluorene	<0.1	mg/kg	TM157	<0.1
Indeno(1,2,3-cd)pyrene	<0.1	mg/kg	TM157	3.27
Phenanthrene	<0.1	mg/kg	TM157	1.31
Pyrene	<0.1	mg/kg	TM157	4.39
Naphthalene	<0.1	mg/kg	TM157	<0.1
Dibenzo(a,h)anthracene	<0.1	mg/kg	TM157	0.631

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSE 23
			Depth (m)	0.70 - 1.00
			Sample Type	Soil/Solid
			Date Sampled	23/07/2010
			Date Received	24/07/2010
			SDG Ref	100726-8
			Lab Sample No.(s)	1864982
GRO Surrogate % recovery**	%	TM089		34
GRO >C5-C12	<0.044 mg/kg	TM089		0.0943
Benzene	<0.01 mg/kg	TM089		<0.01 M
Ethylbenzene	<0.003 mg/kg	TM089		<0.003 M
Toluene	<0.002 mg/kg	TM089		<0.002 M
m,p-Xylene	<0.006 mg/kg	TM089		<0.006 M
o-Xylene	<0.003 mg/kg	TM089		<0.003 M
m,p,o-Xylene	<0.01 mg/kg	TM089		<0.01 M
BTEX, Total	<0.01 mg/kg	TM089		<0.01 M
Methyl tertiary butyl ether (MTBE)	<0.005 mg/kg	TM089		<0.005 #
Aliphatics >C5-C6	<0.01 mg/kg	TM089		0.0117
Aliphatics >C6-C8	<0.01 mg/kg	TM089		0.0115
Aliphatics >C8-C10	<0.01 mg/kg	TM089		<0.01
Aliphatics >C10-C12	<0.01 mg/kg	TM089		0.0198
Aromatics >C6-C7	<0.01 mg/kg	TM089		<0.01
Aromatics >C7-C8	<0.01 mg/kg	TM089		<0.01
Aromatics >EC8-EC10	<0.01 mg/kg	TM089		<0.01
Aromatics >EC10-EC12	<0.01 mg/kg	TM089		0.0297
Total Aliphatics >C5-C12	<0.01 mg/kg	TM089		0.0431
Total Aromatics >C6-C12	<0.01 mg/kg	TM089		0.0297
Aliphatics >C12-C16	<0.1 mg/kg	TM173		6.36
Aliphatics >C16-C21	<0.1 mg/kg	TM173		8.16
Aliphatics >C16-C35	<0.1 mg/kg	TM173		69.9
Aliphatics >C21-C35	<0.1 mg/kg	TM173		61.8
Aliphatics >C35-C44	<0.1 mg/kg	TM173		24.3
Aromatics >EC12-EC16	<0.1 mg/kg	TM173		5.36
Aromatics >EC16-EC21	<0.1 mg/kg	TM173		31.9
Aromatics >EC21-EC35	<0.1 mg/kg	TM173		196
Aromatics >EC35-EC44	<0.1 mg/kg	TM173		92
Aromatics >EC40-EC44	<0.1 mg/kg	TM173		35.6
Total Aliphatics >C12-C44	<0.1 mg/kg	TM173		101
Total Aromatics >EC12-EC44	<0.1 mg/kg	TM173		326
Total Aliphatics >C5-35	<0.1 mg/kg	TM173		76.3
Total Aliphatics >C5-C44	<0.1 mg/kg	TM173		101
Total Aromatics >C5-35	<0.1 mg/kg	TM173		234
Total Aromatics >C6-C44	<0.1 mg/kg	TM173		326
Total Aliphatics & Aromatics >C5-35	<0.1 mg/kg	TM173		310
Total Aliphatics & Aromatics >C5-C44	<0.1 mg/kg	TM173		426

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSE 23
Depth (m)	0.70 - 1.00
Sample Type	Soil/Solid
Date Sampled	23/07/2010
Date Received	24/07/2010
SDG Ref	100726-8
Lab Sample No.(s)	1864982

Component	LOD/Units	Method		
Dibromofluoromethane**	%	TM116	109	
Toluene-d8**	%	TM116	101	
4-Bromofluorobenzene**	%	TM116	112	
Dichlorodifluoromethane	<0.004 mg/kg	TM116	<0.08	M
Chloromethane	<0.007 mg/kg	TM116	<0.14	#
Vinyl Chloride	<0.01 mg/kg	TM116	<0.2	#
Bromomethane	<0.013 mg/kg	TM116	<0.26	M
Chloroethane	<0.014 mg/kg	TM116	<0.28	M
Trichlorofluorormethane	<0.006 mg/kg	TM116	<0.12	M
1.1-Dichloroethene	<0.01 mg/kg	TM116	<0.2	#
Carbon Disulphide	<0.007 mg/kg	TM116	<0.14	M
Dichloromethane	<0.01 mg/kg	TM116	<0.2	#
Methyl Tertiary Butyl Ether	<0.011 mg/kg	TM116	<0.22	M
trans-1-2-Dichloroethene	<0.011 mg/kg	TM116	<0.22	M
1.1-Dichloroethane	<0.008 mg/kg	TM116	<0.16	M
cis-1-2-Dichloroethene	<0.005 mg/kg	TM116	<0.1	M
2.2-Dichloropropane	<0.012 mg/kg	TM116	<0.24	M
Bromochloromethane	<0.014 mg/kg	TM116	<0.28	M
Chloroform	<0.008 mg/kg	TM116	<0.16	M
1.1.1-Trichloroethane	<0.007 mg/kg	TM116	<0.14	M
1.1-Dichloropropene	<0.011 mg/kg	TM116	<0.22	M
Carbontetrachloride	<0.014 mg/kg	TM116	<0.28	M
1.2-Dichloroethane	<0.005 mg/kg	TM116	<0.1	M
Benzene	<0.009 mg/kg	TM116	<0.18	M
Trichloroethene	<0.009 mg/kg	TM116	<0.18	M
1.2-Dichloropropane	<0.012 mg/kg	TM116	<0.24	M
Dibromomethane	<0.009 mg/kg	TM116	<0.18	M
Bromodichloromethane	<0.007 mg/kg	TM116	<0.14	M
cis-1-3-Dichloropropene	<0.014 mg/kg	TM116	<0.28	M
Toluene	<0.005 mg/kg	TM116	<0.1	M
trans-1-3-Dichloropropene	<0.014 mg/kg	TM116	<0.28	
1.1.2-Trichloroethane	<0.01 mg/kg	TM116	<0.2	M
1.3-Dichloropropane	<0.007 mg/kg	TM116	<0.14	#
Tetrachloroethene	<0.005 mg/kg	TM116	<0.1	M
Dibromochloromethane	<0.013 mg/kg	TM116	<0.26	M
1.2-Dibromoethane	<0.012 mg/kg	TM116	<0.24	M
Chorobenzene	<0.005 mg/kg	TM116	<0.1	M
1.1.1.2-Tetrachloroethane	<0.01 mg/kg	TM116	<0.2	M
Ethylbenzene	<0.004 mg/kg	TM116	0.111	M

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSE 23
Depth (m)	0.70 - 1.00
Sample Type	Soil/Solid
Date Sampled	23/07/2010
Date Received	24/07/2010
SDG Ref	100726-8
Lab Sample No.(s)	1864982

Component	LOD/Units	Method		
p/m-Xylene	<0.014	mg/kg	TM116	0.552 #
o-Xylene	<0.01	mg/kg	TM116	0.396 M
Styrene	<0.01	mg/kg	TM116	<0.2 M
Bromoform	<0.01	mg/kg	TM116	<0.2 M
Isopropylbenzene	<0.005	mg/kg	TM116	<0.1 M
1.1.2.2-Tetrachloroethane	<0.01	mg/kg	TM116	<0.2 #
1.2.3-Trichloropropane	<0.017	mg/kg	TM116	<0.34 M
Bromobenzene	<0.01	mg/kg	TM116	<0.2 M
Propylbenzene	<0.011	mg/kg	TM116	<0.22 M
2-Chlorotoluene	<0.009	mg/kg	TM116	<0.18 M
1.3.5-Trimethylbenzene	<0.008	mg/kg	TM116	<0.16 #
4-Chlorotoluene	<0.012	mg/kg	TM116	<0.24 M
tert-Butylbenzene	<0.012	mg/kg	TM116	<0.24 #
1.2.4-Trimethylbenzene	<0.009	mg/kg	TM116	<0.18 #
sec-Butylbenzene	<0.01	mg/kg	TM116	<0.2 M
4-Isopropyltoluene	<0.011	mg/kg	TM116	<0.22 M
1.3-Dichlorobenzene	<0.006	mg/kg	TM116	<0.12 M
1.4-Dichlorobenzene	<0.005	mg/kg	TM116	<0.1 M
n-Butylbenzene	<0.01	mg/kg	TM116	<0.2 M
1.2-Dichlorobenzene	<0.012	mg/kg	TM116	<0.24 M
1.2-Dibromo-3-chloropropane	<0.014	mg/kg	TM116	<0.28 M
Tert-amyl methyl ether	<0.015	mg/kg	TM116	<0.3
1.2.4-Trichlorobenzene	<0.006	mg/kg	TM116	<0.12 #
Hexachlorobutadiene	<0.012	mg/kg	TM116	<0.24 M
Naphthalene	<0.013	mg/kg	TM116	<0.26 M
1.2.3-Trichlorobenzene	<0.006	mg/kg	TM116	<0.12 M

Validated

ALcontrol Laboratories Analytical Services

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSE 26	WSE 26	WSE 3	WSE 4	WSE 4
			Depth (m)	0.10 - 0.30	2.00 - 2.30	2.30 - 2.50	0.20 - 0.40	1.60 - 1.80
			Sample Type	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid	Soil/Solid
			Date Sampled	23/07/2010	23/07/2010	22/07/2010	21/07/2010	22/07/2010
			Date Received	24/07/2010	24/07/2010	24/07/2010	24/07/2010	24/07/2010
			SDG Ref	100726-8	100726-8	100726-8	100726-8	100726-8
			Lab Sample No.(s)	1865078	1864965	1864503	1864528	1864626
Ammoniacal Nitrogen, exchangeable as NH4	<15 mg/kg	TM024		<15 M	22.2 M	<15 M	<15 M	<15 M
Sulphate, 2:1 water soluble	<0.003 g/l	TM098		0.018 M	1.52 M	1.86 M	<0.003 M	1.76 M
Soil Organic Matter (SOM)	<0.35 %	TM132			2.24 #			
pH	1 pH Units	TM133		7.93 M	5.28 M	5.99 M	7.92 M	4.92 M
Chromium, Hexavalent	<0.6 mg/kg	TM151		<0.6 #	<1.2 #	<0.6 #	<0.6 #	<1.2 #
TPH >C6-C8	<10 mg/kg	TM154		<10	<10	<10		<10
TPH >C8-C10	<10 mg/kg	TM154		<10	<10	<10		<10
TPH >C10-C12	<10 mg/kg	TM154		<10	<10	<10		<10
TPH >C12-C16	<10 mg/kg	TM154		<10	<10	<10		<10
TPH >C16-C21	<10 mg/kg	TM154		<10	<10	<10		<10
TPH >C21-C40	<10 mg/kg	TM154		119	158	<10		160
TPH >C6-C40	<10 mg/kg	TM154		123 #	170 #	<10 #		183 #
Arsenic	<0.6 mg/kg	TM181		11.8 M	3.03 M	5.35 M	13.5 M	8.85 M
Cadmium	<0.02 mg/kg	TM181		1.67 M	0.154 M	0.341 M	0.824 M	0.337 M
Chromium	<0.9 mg/kg	TM181		34.4 M	28.8 M	27 M	37 M	36.8 M
Copper	<1.4 mg/kg	TM181		19.3 M	18.1 M	18.3 M	21.5 M	24.2 M
Lead	<0.7 mg/kg	TM181		16.9 M	12.9 M	13 M	25.1 M	12.9 M
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181		85.8 M	10 M	17.3 M	33.4 M	26.6 M
Selenium	<1 mg/kg	TM181		1.96 #	1.43 #	<1 #	1.24 #	1.33 #
Zinc	<1.9 mg/kg	TM181		116 M	27.3 M	68.1 M	116 M	76.4 M
Boron, water soluble	<1 mg/kg	TM222		<1 M	1.44 M	3.11 M	1.45 M	3.82 M

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

ASSOCIATED AQC DATA

Ammonium Soil by Titration

Component	Method Code	QC 17	QC 16	QC 15
Exchangeable Ammonium as NH4	TM024	**97.42** 80.84 : 103.27	**92.29** 80.84 : 103.27	**82.43** 80.84 : 103.27

Boron Water Soluble

Component	Method Code	QC 15	QC 11	QC 14	QC 15
Water Soluble Boron	TM222	**94.30** 82.59 : 112.64	**103.60** 82.59 : 112.64	**100.80** 82.59 : 112.64	**105.00** 82.59 : 112.64

EPH CWG (Aliphatic) GC (S)

Component	Method Code	QC 15	QC 14
Total Aliphatics >C12-C35	TM173	**78.41** 66.13 : 101.56	**76.43** 58.96 : 117.71

EPH CWG (Aromatic) GC (S)

Component	Method Code	QC 15	QC 14
Total Aromatics >EC12-EC35	TM173	**101.74** 64.00 : 112.00	**90.60** 58.79 : 118.66

Hexavalent Chromium (s)

Component	Method Code	QC 15	QC 19	QC 12	QC 14
Hexavalent Chromium	TM151	**104.40** 76.40 : 131.80	**101.40** 76.40 : 131.80	**108.00** 76.40 : 131.80	**102.20** 76.40 : 131.80

Metals by iCap-OES (Soil)

Component	Method Code	QC 13	QC 10	QC 18	QC 15	QC 15
Aluminium	TM181	**113.27** 95.21 : 133.11	**121.36** 95.21 : 133.11	**114.25** 95.21 : 133.11	**105.19** 95.21 : 133.11	**108.60** 95.21 : 133.11
Antimony	TM181	**102.38** 63.92 : 138.56	**101.68** 63.92 : 138.56	**103.70** 63.92 : 138.56	**100.29** 63.92 : 138.56	**100.04** 63.92 : 138.56
Arsenic	TM181	**104.48** 77.96 : 122.04	**105.00** 77.96 : 122.04	**98.62** 77.96 : 122.04	**103.70** 77.96 : 122.04	**96.47** 77.96 : 122.04
Barium	TM181	**103.28** 90.49 : 117.24	**107.78** 90.49 : 117.24	**105.63** 90.49 : 117.24	**99.07** 90.49 : 117.24	**101.52** 90.49 : 117.24
Beryllium	TM181	**100.28** 77.50 : 122.50	**97.43** 77.50 : 122.50	**100.28** 77.50 : 122.50	**94.86** 77.50 : 122.50	**94.40** 77.50 : 122.50
Boron	TM181	**118.17** 82.46 : 141.11	**121.75** 82.46 : 141.11	**108.06** 82.46 : 141.11	**102.33** 82.46 : 141.11	**99.37** 82.46 : 141.11

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

		QC 13	QC 10	QC 18	QC 15	QC 15
Cadmium	TM181	**98.81** 77.50 : 122.50	**96.33** 77.50 : 122.50	**100.88** 77.50 : 122.50	**96.53** 77.50 : 122.50	**96.73** 77.50 : 122.50
Chromium	TM181	**98.43** 82.90 : 117.10	**101.48** 82.90 : 117.10	**98.14** 82.90 : 117.10	**95.28** 82.90 : 117.10	**94.37** 82.90 : 117.10
Cobalt	TM181	**99.02** 78.26 : 121.74	**97.69** 78.26 : 121.74	**98.67** 78.26 : 121.74	**95.56** 78.26 : 121.74	**95.65** 78.26 : 121.74
Copper	TM181	**99.54** 86.52 : 113.48	**102.28** 86.52 : 113.48	**100.64** 86.52 : 113.48	**99.20** 86.52 : 113.48	**100.49** 86.52 : 113.48
Iron	TM181	**106.93** 93.59 : 123.28	**106.21** 93.59 : 123.28	**102.68** 93.59 : 123.28	**101.14** 93.59 : 123.28	**101.05** 93.59 : 123.28
Lead	TM181	**104.33** 81.22 : 118.78	**98.34** 81.22 : 118.78	**93.84** 81.22 : 118.78	**99.00** 81.22 : 118.78	**94.45** 81.22 : 118.78
Manganese	TM181	**109.75** 87.42 : 112.58	**103.52** 87.42 : 112.58	**92.25** 87.42 : 112.58	**97.35** 87.42 : 112.58	**92.43** 87.42 : 112.58
Mercury	TM181	**104.31** 72.27 : 127.73	**105.54** 72.27 : 127.73	**103.08** 72.27 : 127.73	**102.02** 72.27 : 127.73	**105.18** 72.27 : 127.73
Molybdenum	TM181	**99.73** 71.12 : 128.88	**97.48** 71.12 : 128.88	**101.32** 71.12 : 128.88	**98.05** 71.12 : 128.88	**96.47** 71.12 : 128.88
Nickel	TM181	**96.03** 81.27 : 118.73	**100.31** 81.27 : 118.73	**95.95** 81.27 : 118.73	**96.56** 81.27 : 118.73	**95.27** 81.27 : 118.73
Phosphorus	TM181	**96.92** 84.04 : 115.96	**99.68** 84.04 : 115.96	**96.98** 84.04 : 115.96	**98.78** 84.04 : 115.96	**96.12** 84.04 : 115.96
Selenium	TM181	**97.20** 72.61 : 127.39	**92.89** 72.61 : 127.39	**102.02** 72.61 : 127.39	**92.34** 72.61 : 127.39	**95.70** 72.61 : 127.39
Strontium	TM181	**102.80** 80.21 : 119.79	**105.98** 80.21 : 119.79	**99.18** 80.21 : 119.79	**97.92** 80.21 : 119.79	**94.74** 80.21 : 119.79
Thallium	TM181	**92.08** 73.04 : 126.96	**90.73** 73.04 : 126.96	**94.04** 73.04 : 126.96	**89.94** 73.04 : 126.96	**88.09** 73.04 : 126.96
Tin	TM181	**105.28** 71.55 : 128.45	**95.09** 71.55 : 128.45	**100.19** 71.55 : 128.45	**96.16** 71.55 : 128.45	**93.15** 71.55 : 128.45
Titanium	TM181	**107.15** 78.26 : 121.74	**105.35** 78.26 : 121.74	**95.25** 78.26 : 121.74	**97.95** 78.26 : 121.74	**95.43** 78.26 : 121.74
Vanadium	TM181	**110.34** 82.03 : 117.97	**106.05** 82.03 : 117.97	**98.99** 82.03 : 117.97	**99.41** 82.03 : 117.97	**97.54** 82.03 : 117.97
Zinc	TM181	**90.70** 77.50 : 122.50	**93.94** 77.50 : 122.50	**90.44** 77.50 : 122.50	**91.57** 77.50 : 122.50	**90.72** 77.50 : 122.50

PAH by GCMS

Component	Method Code	QC 11	QC 19	QC 18
Acenaphthene	TM218	**95.44** 68.10 : 128.67	**95.87** 74.10 : 124.54	**100.53** 68.10 : 128.67
Acenaphthylene	TM218	**86.91** 68.11 : 109.28	**88.33** 63.62 : 117.79	**90.77** 68.11 : 109.28
Anthracene	TM218	**87.06** 61.75 : 122.01	**92.09** 65.03 : 113.03	**93.02** 61.75 : 122.01
Benz(a)anthracene	TM218	**91.81** 79.35 : 115.30	**98.97** 54.51 : 124.77	**97.78** 79.35 : 115.30
Benzo(a)pyrene	TM218	**93.93** 79.80 : 116.48	**97.91** 63.77 : 127.33	**98.88** 79.80 : 116.48
Benzo(b)fluoranthene	TM218	**95.14** 79.51 : 116.19	**100.92** 65.41 : 130.80	**99.82** 79.51 : 116.19
Benzo(ghi)perylene	TM218	**89.83** 80.08 : 114.22	**93.73** 64.55 : 135.03	**97.62** 80.08 : 114.22
Benzo(k)fluoranthene	TM218	**92.18** 65.05 : 129.07	**95.96** 65.91 : 125.08	**93.73** 65.05 : 129.07

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

		QC 11	QC 19	QC 18
Chrysene	TM218	**91.90** 80.14 : 113.92	**94.82** 64.16 : 127.26	**95.01** 80.14 : 113.92
Dibenzo(ah)anthracene	TM218	**89.88** 59.79 : 136.56	**92.85** 67.86 : 121.75	**97.03** 59.79 : 136.56
Fluoranthene	TM218	**89.78** 74.35 : 115.70	**94.21** 66.40 : 120.99	**92.94** 74.35 : 115.70
Fluorene	TM218	**92.86** 75.68 : 111.55	**94.28** 68.44 : 116.96	**98.32** 75.68 : 111.55
Indeno(123cd)pyrene	TM218	**87.39** 74.42 : 114.62	**96.66** 67.20 : 121.68	**98.48** 74.42 : 114.62
Naphthalene	TM218	**94.10** 73.21 : 108.15	**92.28** 70.10 : 115.11	**96.40** 73.21 : 108.15
Phenanthrene	TM218	**92.76** 66.61 : 129.12	**95.07** 68.54 : 116.99	**97.30** 66.61 : 129.12
Pyrene	TM218	**88.85** 74.35 : 111.75	**93.68** 66.64 : 121.60	**92.55** 74.35 : 111.75

PCBs (vs Aroclor 1254)

Component	Method Code	QC 19
PCBs (vs Aroclor 1254)	TM070	**105.20** 75.18 : 122.16

pH

Component	Method Code	QC 13	QC 15	QC 13	QC 13	QC 11	QC 17
pH	TM133	**99.87** 97.90 : 102.35	**100.38** 97.90 : 102.35	**100.00** 97.90 : 102.35	**100.50** 97.90 : 102.35	**99.37** 97.42 : 102.50	**100.13** 97.90 : 102.35

Component	Method Code	QC 14
pH	TM133	**99.87** 97.42 : 102.50

Semi Volatile Organic Compounds

Component	Method Code	QC 14	QC 10
4-Bromophenylphenyleth er (Soil)	TM157	**89.80** 30.30 : 139.75	**88.42** 30.30 : 139.75
Benzo(a)anthracene (Soil)	TM157	**94.88** 27.20 : 137.40	**96.42** 27.20 : 137.40
Hexachlorobutadiene (Soil)	TM157	**91.91** 28.70 : 141.30	**89.64** 28.70 : 141.30
Naphthalene (Soil)	TM157	**93.80** 39.23 : 145.41	**91.97** 39.23 : 145.41
Nitrobenzene (Soil)	TM157	**91.73** 41.78 : 147.15	**88.95** 41.78 : 147.15
Phenol (Soil)	TM157	**93.40** 51.88 : 150.83	**92.20** 51.88 : 150.83

Total Organic Carbon

Validated

ALcontrol Laboratories Analytical Services

SDG:	100726-8	**Customer:**	Entec UK Ltd
Job:	H_ENTEC_SHW-24	**Attention:**	Steve Dooley
Client Reference:	26999	**Order No.:**	228113
Location:	KL056 DSDC Bicester	**Report No:**	92286

Component	Method Code	QC 16
Total Organic Carbon	TM132	**97.07** 88.75 : 104.70

TPH c6-40 Value of soil

Component	Method Code	QC 16	QC 19
Diesel QC	TM154	**92.68** 87.23 : 113.71	**92.36** 87.23 : 113.71
Lube Oil QC	TM154	**94.93** 88.71 : 110.56	**94.43** 88.71 : 110.56
TPH C6-40 Corrected	TM154	**93.80** 86.39 : 109.99	**93.40** 86.39 : 109.99

Water Soluble Sulphate 2:1

Component	Method Code	QC 17	QC 19	QC 15
Soluble SO4	TM098	**105.20** 76.87 : 120.45	**85.12** 76.87 : 120.45	**85.91** 76.87 : 120.45

The above information details the reference name of the analytical quality control sample (AQC) that has been run with the samples contained in this report for the different methods of analysis.
The figure detailed is the percentage recovery result for the AQC.
The subscript numbers below are the percentage recovery lower control limit (LCL) and the upper control limit (UCL). The percentage recovery result for the AQC should be between these limits to be statistically in control.

Table of Results - Appendix

SDG Number : 100726-8 **Client :** Entec UK Ltd **Client Ref :** 26999

REPORT KEY

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03x10-7

NDP	No Determination Possible	#	ISO 17025 Accredited	*	Subcontracted Test	M	MCERTS Accredited
NFD	No Fibres Detected	PFD	Possible Fibres Detected	»	Result previously reported (Incremental reports only)	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control

Method No	Reference	Description	Wet/Dry Sample [1]
PM001		Preparation of Samples for Metals Analysis	Dry
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material	Wet
TM001	In - house Method	Determination of asbestos containing material by screening on solids	
TM024	Method 4500A & B, AWWA/APHA, 20th Ed., 1999	Determination of Exchangeable Ammonium and Ammoniacal Nitrogen as N by titration on solids	Wet
TM070	Modified: US EPA Method 8250 & 625	Determination of Total Polychlorinated Biphenyls (PCBÆs) as Aroclor 1254 by GC-MS in Soils	Dry
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	
TM098	Method 4500E, AWWA/APHA, 20th Ed., 1999	Determination of Sulphate using the Kone Analyser	Dry
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS	
TM132	In - house Method	ELTRA CS800 Operators Guide	Dry
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter	Wet
TM151	Method 3500D, AWWA/APHA, 20th Ed., 1999	Determination of Hexavalent Chromium using Kone analyser	Wet
TM154	In - house Method	Determination of Petroleum Hydrocarbons by EZ Flash GC-FID in the Carbon range C6- C40	Wet
TM157	HP 6890 Gas Chromatograph (GC) system and HP 5973 Mass Selective Detector (MSD).	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone	Wet
TM173	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID	Dry
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES	Dry
TM184	EPA Methods 325.1 & 325.2,	The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	Dry
TM218	Microwave extraction – EPA method 3546	Microwave extraction - EPA method 3546	Wet
TM222	In-House Method	Determination of Hot Water Soluble Boron in Soils (10:1 Water:soil) by IRIS Emission Spectrometer	Dry

[1] Applies to Solid samples only. DRY indicates samples have been dried at 35°C. NA = not applicable.

APPENDIX

APPENDIX

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA Leach tests, flash point, ammonium as NH_4 by the BRE method, VOC TICS, SVOC TICS, TOF-MS SCAN/SEARCH and TOF-MS TICS.
2. Samples will be run in duplicate upon request, but an additional charge may be incurred.
3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for both soil jars, tubs and volatile jars. All waters and vials will be discarded 10 days after the analysis is completed (e-mailed). All material removed during an asbestos containing material screen and analysed for the presence of asbestos will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.
4. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.
5. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.
6. When requested, the individual sub sample scheduled will be screened in house for the presence of large asbestos containing material fragments/pieces. If no asbestos containing material is found this will be reported as 'no asbestos containing material detected'. If asbestos containing material is detected it will be removed and analysed by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If asbestos containing material is present no further analysis will be undertaken. At no point is the fibre content of the soil sample determined.
7. If no separate volatile sample is supplied by the client, the integrity of the data may be compromised if the laboratory is required to create a sub-sample from the bulk sample – similarly, if a headspace or sediment is present in the volatile sample. This will be flagged up as an invalid VOC on the test schedule or recorded on the log sheet.
8. If appropriate preserved bottles are not received preservation will take place on receipt. However, the integrity of the data may be compromised.
9. NDP – No determination possible due to insufficient/unsuitable sample.
10. Metals in water are performed on a filtered sample, and therefore represent dissolved metals – total metals must be requested separately.
11. A table containing the date of analysis for each parameter is not routinely included with the report, but is available upon request.
12. Results relate only to the items tested
13. **Surrogate recoveries** – Most of our organic methods include surrogates, the recovery of which is monitored and reported. For EPH, MO, PAH, GRO and VOCs on soils the result is not surrogate corrected, but a percentage recovery is quoted. Acceptable limits for most organic methods are 70 – 130 %.
14. **Product analyses** – Organic analyses on products can only be semi-quantitative due to the matrix effects and high dilution factors employed.
15. Phenols monohydric by HPLC include phenol, cresols (2-Methylphenol, 3-Methylphenol and 4-Methylphenol) and Xylenols (2,3 Dimethylphenol, 2,4 Dimethylphenol, 2,5 Dimethylphenol, 2,6 Dimethylphenol, 3,4 Dimethyphenol, 3,5 Dimethylphenol).
16. Total of 5 speciated phenols by HPLC includes Phenol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 14).
17. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.
18. Our MCERTS accreditation for PAHs by GCMS applies to all product types apart from Kerosene, where naphthalene only is not accredited.
19. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.
19. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.
20. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.
21. For all leachate preparations (NRA, DIN, TCLP, BSEN 12457-1, 2, 3) volatile loss may occur, as we do not employ zero headspace extraction.
22. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials – whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.
23. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C4 – C10 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

Last updated 1 April 2010

LIQUID MATRICES EXTRACTION SUMMARY

ANALYSIS	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
PAH MS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
EPH	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
EPH CWG	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
MINERAL OIL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
PCB 7 CONGENERS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
PCB TOTAL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GS MS
SVOC	DCM	LIQUID/LIQUID SHAKE	GC MS
FREE SULPHUR	DCM	SOLID PHASE EXTRACTION	HPLC
PEST OCP/OPP	DCM	LIQUID/LIQUID SHAKE	GC MS
TRIAZINE HERBS	DCM	LIQUID/LIQUID SHAKE	GC MS
PHENOLS MS	DCM	SOLID PHASE EXTRACTION	GC MS
TPH by INFRA RED (IR)	TCE	LIQUID/LIQUID EXTRACTION	HPLC
MINERAL OIL by IR	TCE	LIQUID/LIQUID EXTRACTION	HPLC
GLYCOLS	NONE	DIRECT INJECTION	GC FID

SOLID MATRICES EXTRACTION SUMMARY

ANALYSIS	D/C OR WET	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
Solvent Extractable Matter	D&C	DCM	SOXTHERM	GRAVIMETRIC
Cyclohexane Ext. Matter	D&C	CYCLOHEXANE	SOXTHERM	GRAVIMETRIC
Thin Layer Chromatography	D&C	DCM	SOXTHERM	IATROSCAN
Elemental Sulphur	D&C	DCM	SOXTHERM	HPLC
Phenols by GCMS	WET	DCM	SOXTHERM	GC-MS
Herbicides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
Pesticides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
EPH (DRO)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Min oil)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Cleaned up)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH CWG by GC	D&C	HEXANE:ACETONE	END OVER END	GC-FID
PCB tot / PCB con	D&C	HEXANE:ACETONE	END OVER END	GC-MS
Polyaromatic Hydrocarbons (MS)	WET	HEXANE:ACETONE	Microwave TM218.	GC-MS
C8-C40 (C6-C40)EZ Flash	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Polyaromatic Hydrocarbons Rapid GC	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Semi Volatile Organic Compounds	WET	DCM:ACETONE	SONICATE	GC-MS

Identification of Asbestos in Bulk Materials

The results for asbestos identification for soil samples are obtained from possible Asbestos Containing Material, removed during the 'Screening of soils for Asbestos Containing Materials', which have been examined to determine the presence of asbestos fibres using Alcontrol Laboratories (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Visual Estimation Of Fibre Content.

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: -

Trace – Where only one or two asbestos fibres were identified.

Further guidance on typical asbestos fibre content of manufactured products can be found in MDHS 100.

The identification of asbestos containing materials falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

ALcontrol Laboratories

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Website: www.alcontrol.com

Attention: Simon Howard

CERTIFICATE OF ANALYSIS

Date:	09 August 2010		
Customer:	H_ENTEC_MOD-11		
Sample Delivery Group (SDG):	100802-15	**Report No.:**	92974
Your Reference:			
Location:	KL056 BICESTER		

We received 9 samples on Saturday July 31, 2010 and 9 of these samples were scheduled for analysis which was completed on Monday August 09, 2010. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

All chemical testing (unless subcontracted) is performed at ALcontrol Hawarden Laboratories.

Asbestos testing - we are not accredited for screening soil samples for asbestos fibres. We are only accredited to identify asbestos fibres in bulk material (ACM).

Approved By:

Iain Swinton

Operations Director - Land UK & Ireland

UKAS TESTING 1291

ALcontrol Laboratories is a trading division of ALcontrol UK Limited
Registered Office: Units 7 & 8 Hawarden Business Park, Manor Road, Hawarden, Deeside, CH5 3US. Registered in England and Wales No. 4057291.

Validated

ALcontrol Laboratories Analytical Services

SDG:	100802-15	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-11	**Attention:**	Simon Howard
Client Reference:		**Order No.:**	228113
Location:	KL056 BICESTER	**Report No:**	92974

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
1896317	SWA1			29/07/2010
1896305	SWC1			29/07/2010
1896283	SWC2			29/07/2010
1896287	SWC4			29/07/2010
1896313	SWC5			29/07/2010
1896290	SWC8			29/07/2010
1896308	SWD6			29/07/2010
1896296	SWE1			29/07/2010
1896298	SWE5			29/07/2010

Only received samples which have had analysis scheduled will be shown on the following pages.

Validated

ALcontrol Laboratories Analytical Services

SDG:	100802-15	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-11	**Attention:**	Simon Howard
Client Reference:		**Order No.:**	228113
Location:	KL056 BICESTER	**Report No:**	92974

LIQUID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)		1896283			1896287			1896290				1896296				1896298			1896305				1896308				1896313				1896317				Total
Customer Sample Ref.		SWC2			SWC4			SWC8				SWE1				SWE5			SWC1				SWD6				SWC5				SWA1				
AGS Ref.																																		
Depth (m)																																		
Container		1l green glass bottle	500ml Plastic	H2SO4	1l green glass bottle	500ml Plastic	H2SO4	1l green glass bottle	500ml Plastic	H2SO4	Vial	1l green glass bottle	500ml Plastic	H2SO4	Vial	1l green glass bottle	500ml Plastic	H2SO4	1l green glass bottle	500ml Plastic	H2SO4	Vial	1l green glass bottle	500ml Plastic	H2SO4	Vial	1l green glass bottle	500ml Plastic	H2SO4	1l green glass bottle	500ml Plastic	H2SO4	Vial	
Ammonium	All			X			X			X				X				X			X				X				X				X	09
Anions by Kone (w)	All		X			X			X				X				X			X				X				X				X		09
Dissolved Metals by ICP-MS	All		X			X			X				X				X			X				X				X				X		09
EPH (DRO) (C10-C40) Aqueous (W)	All							X				X							X				X							X					05
EPH CWG (Aliphatic) Aqueous GC (W)	All											X							X																02
EPH CWG (Aromatic) Aqueous GC (W)	All											X							X																02
GRO by GC-FID (W)	All										X				X							X				X									X	05
Mercury Dissolved	All	X			X			X				X				X			X				X				X				X					09
PAH Spec MS - Aqueous (W)	All																		X								X									02
pH Value	All		X			X			X				X				X			X				X				X				X				09
SVOC MS (W) - Aqueous	All											X							X																	02
TPH CWG (W)	All											X							X																	02
VOC MS (W)	All													X							X															02

Validated

ALcontrol Laboratories Analytical Services

SDG:	100802-15	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-11	**Attention:**	Simon Howard
Client Reference:		**Order No.:**	228113
Location:	KL056 BICESTER	**Report No:**	92974

Test Completion dates

SDG reference: 100802-15

Lab Sample No(s)	1896283	1896287	1896290	1896296	1896298	1896305	1896308	1896313	1896317
Customer Sample Ref.	SWC2	SWC4	SWC8	SWE1	SWE5	SWC1	SWD6	SWC5	SWA1
Depth									
Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Ammonium	04/08/2010	04/08/2010	03/08/2010	03/08/2010	04/08/2010	04/08/2010	04/08/2010	04/08/2010	04/08/2010
Anions by Kone (w)	04/08/2010	04/08/2010	04/08/2010	04/08/2010	04/08/2010	04/08/2010	04/08/2010	04/08/2010	04/08/2010
Dissolved Metals by ICP-MS	04/08/2010	04/08/2010	04/08/2010	04/08/2010	04/08/2010	04/08/2010	04/08/2010	04/08/2010	04/08/2010
EPH (DRO) (C10-C40) Aqueous (W)			04/08/2010	04/08/2010		04/08/2010	04/08/2010		09/08/2010
EPH CWG (Aliphatic) Aqueous GC				05/08/2010		05/08/2010			
EPH CWG (Aromatic) Aqueous GC				05/08/2010		05/08/2010			
GRO by GC-FID (W)			05/08/2010	05/08/2010		05/08/2010	05/08/2010		05/08/2010
Mercury Dissolved	03/08/2010	03/08/2010	03/08/2010	03/08/2010	03/08/2010	03/08/2010	03/08/2010	03/08/2010	03/08/2010
PAH Spec MS - Aqueous (W)						04/08/2010		04/08/2010	
pH Value	03/08/2010	03/08/2010	03/08/2010	03/08/2010	03/08/2010	03/08/2010	04/08/2010	04/08/2010	03/08/2010
SVOC MS (W) - Aqueous				06/08/2010		06/08/2010			
TPH CWG (W)				06/08/2010		06/08/2010			
VOC MS (W)				04/08/2010		04/08/2010			

Validated

ALcontrol Laboratories Analytical Services

SDG: 100802-15
Job: H_ENTEC_MOD-11
Client Reference:
Location: KL056 BICESTER

Customer: Entec UK - MOD Ltd
Attention: Nick Huyg
Order No.: 228113
Report No: 92974

Results Legend	
#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			SWA1		Water(GW/SW)	29/07/2010	31/07/2010	100802-15	1896317	
			SWC1		Water(GW/SW)	29/07/2010	31/07/2010	100802-15	1896305	
			SWC2		Water(GW/SW)	29/07/2010	31/07/2010	100802-15	1896283	
			SWC4		Water(GW/SW)	29/07/2010	31/07/2010	100802-15	1896287	
			SWC5		Water(GW/SW)	29/07/2010	31/07/2010	100802-15	1896313	
			SWC8		Water(GW/SW)	29/07/2010	31/07/2010	100802-15	1896290	
Ammoniacal Nitrogen as NH4	<0.3 mg/l	TM099	0.436 #		<0.3 #		<0.3 #		<0.3 #		<0.3 #		<0.3 #		<0.3 #	
Arsenic (diss.filt)	<0.00012 mg/l	TM152	0.00206 #		0.000702 #		0.00096 #		0.00109 #		0.0019 #		0.00126 #	
Boron (diss.filt)	<0.0094 mg/l	TM152	0.032 #		0.0963 #		0.104 #		0.107 #		0.0921 #		0.105 #	
Cadmium (diss.filt)	<0.0001 mg/l	TM152	<0.0001 #		<0.0001 #		<0.0001 #		<0.0001 #		<0.0001 #		<0.0001 #	
Chromium (diss.filt)	<0.00022 mg/l	TM152	0.0068 #		0.00907 #		0.00878 #		0.00877 #		0.00655 #		0.00843 #	
Copper (diss.filt)	<0.00085 mg/l	TM152	<0.00085 #		<0.00085 #		<0.00085 #		<0.00085 #		<0.00085 #		<0.00085 #	
Lead (diss.filt)	<0.00002 mg/l	TM152	0.000183 #		0.000056 #		0.000153 #		0.000082 #		0.000169 #		0.000047 #	
Nickel (diss.filt)	<0.00015 mg/l	TM152	<0.00015 #		<0.00015 #		<0.00015 #		<0.00015 #		<0.00015 #		<0.00015 #	
Selenium (diss.filt)	<0.00039 mg/l	TM152	<0.00039 #		<0.00039 #		0.000605 #		0.0012 #		0.00502 #		<0.00039 #	
Zinc (diss.filt)	<0.00041 mg/l	TM152	0.00766 #		0.00849 #		0.0108 #		0.0096 #		0.004 #		0.0445 #	
EPH Range >C10 - C40 (aq)	<0.046 mg/l	TM172	0.39 #		0.278 #								<0.046 #	
EPH Band >C10-C12 (aq)	<0.01 mg/l	TM172	0.0331		0.0113								<0.01	
EPH Band >C12-C16 (aq)	<0.01 mg/l	TM172	0.0647		0.0371								<0.01	
EPH Band >C16-C21 (aq)	<0.01 mg/l	TM172	0.0659		0.0465								<0.01	
EPH Band >C21-C28 (aq)	<0.01 mg/l	TM172	0.0621		0.0594								<0.01	
EPH Band >C35-C40 (aq)	<0.01 mg/l	TM172	0.0393		0.0281								<0.01	
EPH Band >C28-C35 (aq)	<0.01 mg/l	TM172	0.125		0.0956								<0.01	
Mercury (diss.filt)	<0.00001 mg/l	TM183	<0.00001 #		<0.00001 #		<0.00001 #		<0.00001 #		<0.00001 #		<0.00001 #	
Sulphate	<3 mg/l	TM184	7.7 #		105 #		105 #		103 #		69.2 #		119 #	
Chloride	<2 mg/l	TM184	<2 #		179 #		147 #		145 #		98.3 #		72.8 #	
pH	<1 pH Units	TM256	7.4 #		7.97 #		8.09 #		8.2 #		8.34 #		8.01 #	

ALcontrol Laboratories Analytical Services

SDG:	100802-15	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-11	**Attention:**	Nick Huyg
Client Reference:		**Order No.:**	228113
Location:	KL056 BICESTER	**Report No:**	92974

GRO by GC-FID (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SWA1	SWC1	SWC8
			Depth (m)			
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	29/07/2010	29/07/2010	29/07/2010
			Date Received	31/07/2010	31/07/2010	31/07/2010
			SDG Ref	100802-15	100802-15	100802-15
			Lab Sample No.(s)	1896317	1896305	1896290
			AGS Reference			
GRO Surrogate % recovery**	%	TM245			88	
Benzene	<0.007 mg/l	TM245		<0.007 #	<0.007 #	<0.007 #
Toluene	<0.004 mg/l	TM245		<0.004 #	<0.004 #	<0.004 #
Ethylbenzene	<0.005 mg/l	TM245		<0.005 #	<0.005 #	<0.005 #
m,p-Xylene	<0.008 mg/l	TM245		<0.008 #	<0.008 #	<0.008 #
o-Xylene	<0.003 mg/l	TM245		<0.003 #	<0.003 #	<0.003 #
m,p,o-Xylene	<0.01 mg/l	TM245		<0.01 #	<0.01 #	<0.01 #
BTEX, Total	<0.01 mg/l	TM245		<0.01 #	<0.01 #	<0.01 #
Methyl tertiary butyl ether (MTBE)	<0.003 mg/l	TM245		<0.003 #	<0.003 #	<0.003 #
GRO >C5-C6	<0.01 mg/l	TM245		<0.01	<0.01	<0.01
GRO >C6-C7	<0.01 mg/l	TM245		<0.01	<0.01	<0.01
GRO >C7-C8	<0.01 mg/l	TM245		<0.01	<0.01	<0.01
GRO >C8-C10	<0.01 mg/l	TM245		<0.01	<0.01	<0.01
GRO >C5-C12	<0.05 mg/l	TM245		<0.05 #	<0.05 #	<0.05 #
GRO >C10-C12	<0.01 mg/l	TM245		<0.01	<0.01	<0.01
Aliphatics >C5-C6	<0.01 mg/l	TM245			<0.01	
Aliphatics >C6-C8	<0.01 mg/l	TM245			<0.01	
Aliphatics >C8-C10	<0.01 mg/l	TM245			<0.01	
Aliphatics >C10-C12	<0.01 mg/l	TM245			<0.01	
Total Aliphatics >C5-C12	<0.01 mg/l	TM245			<0.01	
Aromatics >C6-C7	<0.01 mg/l	TM245			<0.01	
Aromatics >C7-C8	<0.01 mg/l	TM245			<0.01	
Aromatics >EC8-EC10	<0.01 mg/l	TM245			<0.01	
Aromatics >EC10-EC12	<0.01 mg/l	TM245			<0.01	
Total Aromatics >C6-C12	<0.01 mg/l	TM245			<0.01	

Validated

ALcontrol Laboratories Analytical Services

SDG:	100802-15	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-11	**Attention:**	Nick Huyg
Client Reference:		**Order No.:**	228113
Location:	KL056 BICESTER	**Report No:**	92974

PAH Spec MS - Aqueous (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SWC1	SWC5
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	29/07/2010	29/07/2010
			Date Received	31/07/2010	31/07/2010
			SDG Ref	100802-15	100802-15
			Lab Sample No.(s)	1896305	1896313
			AGS Reference		
Naphthalene (aq)	<0.0001 mg/l	TM178		<0.0001 #	<0.0001 #
Acenaphthene (aq)	<0.000015 mg/l	TM178		<0.000015 #	<0.000015 #
Acenaphthylene (aq)	<0.000011 mg/l	TM178		<0.000011 #	<0.000011 #
Fluoranthene (aq)	<0.000014 mg/l	TM178		0.000311 #	0.000215 #
Anthracene (aq)	<0.000015 mg/l	TM178		0.000025 #	<0.000015 #
Phenanthrene (aq)	<0.000022 mg/l	TM178		0.000101 #	0.00007 #
Fluorene (aq)	<0.000014 mg/l	TM178		<0.000014 #	<0.000014 #
Chrysene (aq)	<0.000013 mg/l	TM178		0.00024 #	0.00012 #
Pyrene (aq)	<0.000015 mg/l	TM178		0.0003 #	0.000204 #
Benzo(a)anthracene (aq)	<0.000017 mg/l	TM178		0.000148 #	0.0001 #
Benzo(b)fluoranthene (aq)	<0.000023 mg/l	TM178		0.000166 #	0.000145 #
Benzo(k)fluoranthene (aq)	<0.000027 mg/l	TM178		0.000195 #	0.00014 #
Benzo(a)pyrene (aq)	<0.000009 mg/l	TM178		0.000215 #	0.000155 #
Dibenzo(a,h)anthracene (aq)	<0.000016 mg/l	TM178		0.000044 #	0.000037 #
Benzo(g,h,i)perylene (aq)	<0.000016 mg/l	TM178		0.000179 #	0.000141 #
Indeno(1,2,3-cd)pyrene (aq)	<0.000014 mg/l	TM178		0.000148 #	0.000112 #
Polyaromatic hydrocarbons, Total USEPA 16 (aq)	<0.0001 mg/l	TM178		0.00189 #	0.00131 #
Naphthalene-d8	%	TM178		100	100
Acenaphthene-d10	%	TM178		100	100
Phenanthrene-d10	%	TM178		100	100
Chrysene-d12	%	TM178		100	100
Perylene-d12	%	TM178		100	100

SDG:	100802-15	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-11	**Attention:**	Nick Huyg
Client Reference:		**Order No.:**	228113
Location:	KL056 BICESTER	**Report No:**	92974

SVOC MS (W) - Aqueous

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SWC1
			Depth (m)	
			Sample Type	Water(GW/SW)
			Date Sampled	29/07/2010
			Date Received	31/07/2010
			SDG Ref	100802-15
			Lab Sample No.(s)	1896305
			AGS Reference	
1,2,4-Trichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001
1,2-Dichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001
1,3-Dichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001
1,4-Dichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001
2,4,5-Trichlorophenol (aq)	<0.001 mg/l	TM176		<0.001
2,4,6-Trichlorophenol (aq)	<0.001 mg/l	TM176		<0.001
2,4-Dichlorophenol (aq)	<0.001 mg/l	TM176		<0.001
2,4-Dimethylphenol (aq)	<0.001 mg/l	TM176		<0.001
2,4-Dinitrotoluene (aq)	<0.001 mg/l	TM176		<0.001
2,6-Dinitrotoluene (aq)	<0.001 mg/l	TM176		<0.001
2-Chloronaphthalene (aq)	<0.001 mg/l	TM176		<0.001
2-Chlorophenol (aq)	<0.001 mg/l	TM176		<0.001
2-Methylnaphthalene (aq)	<0.001 mg/l	TM176		<0.001
2-Methylphenol (aq)	<0.001 mg/l	TM176		<0.001
2-Nitroaniline (aq)	<0.001 mg/l	TM176		<0.001
2-Nitrophenol (aq)	<0.001 mg/l	TM176		<0.001
3-Nitroaniline (aq)	<0.001 mg/l	TM176		<0.001
4-Bromophenylphenylether (aq)	<0.001 mg/l	TM176		<0.001
4-Chloro-3-methylphenol (aq)	<0.001 mg/l	TM176		<0.001
4-Chloroaniline (aq)	<0.001 mg/l	TM176		<0.001
4-Chlorophenylphenylether (aq)	<0.001 mg/l	TM176		<0.001
4-Methylphenol (aq)	<0.001 mg/l	TM176		<0.001
4-Nitrophenol (aq)	<0.001 mg/l	TM176		<0.001
4-Nitroaniline (aq)	<0.001 mg/l	TM176		<0.001
Azobenzene (aq)	<0.001 mg/l	TM176		<0.001
Acenaphthylene (aq)	<0.001 mg/l	TM176		<0.001
Acenaphthene (aq)	<0.001 mg/l	TM176		<0.001
Anthracene (aq)	<0.001 mg/l	TM176		<0.001
bis(2-Chloroethyl)ether (aq)	<0.001 mg/l	TM176		<0.001
bis(2-Chloroethoxy)methane (aq)	<0.001 mg/l	TM176		<0.001
bis(2-Ethylhexyl) phthalate (aq)	<0.002 mg/l	TM176		<0.002
Benzo(a)anthracene (aq)	<0.001 mg/l	TM176		<0.001
Butylbenzyl phthalate (aq)	<0.001 mg/l	TM176		<0.001
Benzo(b)fluoranthene (aq)	<0.001 mg/l	TM176		<0.001
Benzo(k)fluoranthene (aq)	<0.001 mg/l	TM176		<0.001
Benzo(a)pyrene (aq)	<0.001 mg/l	TM176		<0.001
Benzo(g,h,i)perylene (aq)	<0.001 mg/l	TM176		<0.001
Carbazole (aq)	<0.001 mg/l	TM176		<0.001
Chrysene (aq)	<0.001 mg/l	TM176		<0.001

Validated

ALcontrol Laboratories Analytical Services

SDG:	100802-15	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-11	**Attention:**	Nick Huyg
Client Reference:		**Order No.:**	228113
Location:	KL056 BICESTER	**Report No:**	92974

SVOC MS (W) - Aqueous

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	SWC1
Depth (m)	
Sample Type	Water(GW/SW)
Date Sampled	29/07/2010
Date Received	31/07/2010
SDG Ref	100802-15
Lab Sample No.(s)	1896305
AGS Reference	

Component	LOD/Units	Method	
Dibenzofuran (aq)	<0.001 mg/l	TM176	<0.001
n-Dibutyl phthalate (aq)	<0.001 mg/l	TM176	<0.001
Diethyl phthalate (aq)	<0.001 mg/l	TM176	<0.001
Dibenzo(a,h)anthracene (aq)	<0.001 mg/l	TM176	<0.001
Dimethyl phthalate (aq)	<0.001 mg/l	TM176	<0.001
n-Dioctyl phthalate (aq)	<0.005 mg/l	TM176	<0.005
Fluoranthene (aq)	<0.001 mg/l	TM176	<0.001
Fluorene (aq)	<0.001 mg/l	TM176	<0.001
Hexachlorobenzene (aq)	<0.001 mg/l	TM176	<0.001
Hexachlorobutadiene (aq)	<0.001 mg/l	TM176	<0.001
Pentachlorophenol (aq)	<0.001 mg/l	TM176	<0.001
Phenol (aq)	<0.001 mg/l	TM176	<0.001
n-Nitroso-n-dipropylamine (aq)	<0.001 mg/l	TM176	<0.001
Hexachloroethane (aq)	<0.001 mg/l	TM176	<0.001
Nitrobenzene (aq)	<0.001 mg/l	TM176	<0.001
Naphthalene (aq)	<0.001 mg/l	TM176	<0.001
Isophorone (aq)	<0.001 mg/l	TM176	<0.001
Hexachlorocyclopentadiene (aq)	<0.001 mg/l	TM176	<0.001
Phenanthrene (aq)	<0.001 mg/l	TM176	<0.001
Indeno(1,2,3-cd)pyrene (aq)	<0.001 mg/l	TM176	<0.001
Pyrene (aq)	<0.001 mg/l	TM176	<0.001

Validated

ALcontrol Laboratories Analytical Services

SDG:	100802-15	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-11	**Attention:**	Nick Huyg
Client Reference:		**Order No.:**	228113
Location:	KL056 BICESTER	**Report No:**	92974

TPH CWG (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SWC1
			Depth (m)	
			Sample Type	Water(GW/SW)
			Date Sampled	29/07/2010
			Date Received	31/07/2010
			SDG Ref	100802-15
			Lab Sample No.(s)	1896305
			AGS Reference	
Total Aliphatics >C5-C35 (aq)	<0.01 mg/l	TM174		<0.01
Total Aromatics >C6-C35 (aq)	<0.01 mg/l	TM174		0.013
Total Aliphatics & Aromatics >C5-35 (aq)	<0.01 mg/l	TM174		0.013
Aliphatics >C12-C16 (aq)	<0.01 mg/l	TM174		<0.01
Aromatics >EC12-EC16 (aq)	<0.01 mg/l	TM174		<0.01
Aliphatics >C16-C21 (aq)	<0.01 mg/l	TM174		<0.01
Aromatics >EC16-EC21 (aq)	<0.01 mg/l	TM174		<0.01
Aliphatics >C21-C35 (aq)	<0.01 mg/l	TM174		<0.01
Aromatics >EC21-EC35 (aq)	<0.01 mg/l	TM174		0.013
Total Aliphatics >C12-C35 (aq)	<0.01 mg/l	TM174		<0.01
Total Aromatics >EC12-EC35 (aq)	<0.01 mg/l	TM174		0.013
Total Aliphatics & Aromatics >C12-C35 (Aqueous)	<0.01 mg/l	TM174		0.013

SDG:	100802-15	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-11	**Attention:**	Nick Huyg
Client Reference:		**Order No.:**	228113
Location:	KL056 BICESTER	**Report No:**	92974

VOC MS (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SWC1
			Depth (m)	
			Sample Type	Water(GW/SW)
			Date Sampled	29/07/2010
			Date Received	31/07/2010
			SDG Ref	100802-15
			Lab Sample No.(s)	1896305
			AGS Reference	
Dibromofluoromethane**	%	TM208		99.3
Toluene-d8**	%	TM208		98.1
4-Bromofluorobenzene**	%	TM208		96.4
Dichlorodifluoromethane	<0.007 mg/l	TM208		<0.007 #
Chloromethane	<0.009 mg/l	TM208		<0.009 #
Vinyl chloride	<0.0012 mg/l	TM208		<0.0012 #
Bromomethane	<0.002 mg/l	TM208		<0.002 #
Chloroethane	<0.0025 mg/l	TM208		<0.0025 #
Trichlorofluoromethane	<0.0013 mg/l	TM208		<0.0013 #
1,1-Dichloroethene	<0.0012 mg/l	TM208		<0.0012 #
Carbon disulphide	<0.0013 mg/l	TM208		<0.0013 #
Dichloromethane	<0.0037 mg/l	TM208		<0.0037 #
Methyl tertiary butyl ether (MTBE)	<0.0016 mg/l	TM208		<0.0016 #
trans-1,2-Dichloroethene	<0.0019 mg/l	TM208		<0.0019 #
1,1-Dichloroethane	<0.0012 mg/l	TM208		<0.0012 #
cis-1,2-Dichloroethene	<0.0023 mg/l	TM208		<0.0023 #
2,2-Dichloropropane	<0.0038 mg/l	TM208		<0.0038 #
Bromochloromethane	<0.0019 mg/l	TM208		<0.0019 #
Chloroform	<0.0018 mg/l	TM208		<0.0018 #
1,1,1-Trichloroethane	<0.0013 mg/l	TM208		<0.0013 #
1,1-Dichloropropene	<0.0013 mg/l	TM208		<0.0013 #
Carbontetrachloride	<0.0014 mg/l	TM208		<0.0014 #
1,2-Dichloroethane	<0.0033 mg/l	TM208		<0.0033
Benzene	<0.0013 mg/l	TM208		<0.0013 #
Trichloroethene	<0.0025 mg/l	TM208		<0.0025 #
1,2-Dichloropropane	<0.003 mg/l	TM208		<0.003 #
Dibromomethane	<0.0027 mg/l	TM208		<0.0027 #
Bromodichloromethane	<0.0009 mg/l	TM208		<0.0009 #
cis-1,3-Dichloropropene	<0.0019 mg/l	TM208		<0.0019 #
Toluene	<0.0014 mg/l	TM208		<0.0014 #
trans-1,3-Dichloropropene	<0.0035 mg/l	TM208		<0.0035 #
1,1,2-Trichloroethane	<0.0022 mg/l	TM208		<0.0022 #
1,3-Dichloropropane	<0.0022 mg/l	TM208		<0.0022 #
Tetrachloroethene	<0.0015 mg/l	TM208		<0.0015 #
Dibromochloromethane	<0.0017 mg/l	TM208		<0.0017 #
1,2-Dibromoethane	<0.0023 mg/l	TM208		<0.0023 #
Chlorobenzene	<0.0035 mg/l	TM208		<0.0035 #
1,1,1,2-Tetrachloroethane	<0.0013 mg/l	TM208		<0.0013 #
Ethylbenzene	<0.0025 mg/l	TM208		<0.0025 #

ALcontrol Laboratories Analytical Services

SDG: 100802-15
Job: H_ENTEC_MOD-11
Client Reference:
Location: KL056 BICESTER

Customer: Entec UK - MOD Ltd
Attention: Nick Huyg
Order No.: 228113
Report No: 92974

VOC MS (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SWC1
			Depth (m)	
			Sample Type	Water(GW/SW)
			Date Sampled	29/07/2010
			Date Received	31/07/2010
			SDG Ref	100802-15
			Lab Sample No.(s)	1896305
			AGS Reference	
m,p-Xylene	<0.0025 mg/l	TM208		<0.0025 #
o-Xylene	<0.0017 mg/l	TM208		<0.0017 #
Styrene	<0.0012 mg/l	TM208		<0.0012 #
Bromoform	<0.003 mg/l	TM208		<0.003 #
Isopropylbenzene	<0.0014 mg/l	TM208		<0.0014 #
1,1,2,2-Tetrachloroethane	<0.0052 mg/l	TM208		<0.0052
1,2,3-Trichloropropane	<0.0078 mg/l	TM208		<0.0078 #
Bromobenzene	<0.002 mg/l	TM208		<0.002 #
Propylbenzene	<0.0026 mg/l	TM208		<0.0026 #
2-Chlorotoluene	<0.0019 mg/l	TM208		<0.0019 #
1,3,5-Trimethylbenzene	<0.0018 mg/l	TM208		<0.0018 #
4-Chlorotoluene	<0.0019 mg/l	TM208		<0.0019 #
tert-Butylbenzene	<0.002 mg/l	TM208		<0.002 #
1,2,4-Trimethylbenzene	<0.0017 mg/l	TM208		<0.0017 #
sec-Butylbenzene	<0.0017 mg/l	TM208		<0.0017 #
4-iso-Propyltoluene	<0.0026 mg/l	TM208		<0.0026 #
1,3-Dichlorobenzene	<0.0022 mg/l	TM208		<0.0022 #
1,4-Dichlorobenzene	<0.0027 mg/l	TM208		<0.0027 #
n-Butylbenzene	<0.002 mg/l	TM208		<0.002 #
1,2-Dichlorobenzene	<0.0037 mg/l	TM208		<0.0037
1,2-Dibromo-3-chloropropane	<0.0098 mg/l	TM208		<0.0098
1,2,4-Trichlorobenzene	<0.0023 mg/l	TM208		<0.0023 #
Hexachlorobutadiene	<0.0025 mg/l	TM208		<0.0025 #
tert-Amyl methyl ether (TAME)	<0.001 mg/l	TM208		<0.001 #
Naphthalene	<0.0035 mg/l	TM208		<0.0035 #
1,2,3-Trichlorobenzene	<0.0031 mg/l	TM208		<0.0031 #
1,3,5-Trichlorobenzene	<0.01 mg/l	TM208		<0.01

Validated

ALcontrol Laboratories Analytical Services

SDG:	100802-15	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-11	**Attention:**	Nick Huyg
Client Reference:		**Order No.:**	228113
Location:	KL056 BICESTER	**Report No:**	92974

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			SWD6		Water(GW/SW)	29/07/2010	31/07/2010	100802-15	1896308	
Ammoniacal Nitrogen as NH4	<0.3 mg/l	TM099	12.7 #							
Arsenic (diss.filt)	<0.00012 mg/l	TM152	0.00806 #							
Boron (diss.filt)	<0.0094 mg/l	TM152	0.0909 #							
Cadmium (diss.filt)	<0.0001 mg/l	TM152	<0.0001 #							
Chromium (diss.filt)	<0.00022 mg/l	TM152	0.0103 #							
Copper (diss.filt)	<0.00085 mg/l	TM152	<0.00085 #							
Lead (diss.filt)	<0.00002 mg/l	TM152	0.000127 #							
Nickel (diss.filt)	<0.00015 mg/l	TM152	<0.00015 #							
Selenium (diss.filt)	<0.00039 mg/l	TM152	0.00147 #							
Zinc (diss.filt)	<0.00041 mg/l	TM152	0.00428 #							
EPH Range >C10 - C40 (aq)	<0.046 mg/l	TM172	0.914 #							
EPH Band >C10-C12 (aq)	<0.01 mg/l	TM172	0.0475							
EPH Band >C12-C16 (aq)	<0.01 mg/l	TM172	0.083							
EPH Band >C16-C21 (aq)	<0.01 mg/l	TM172	0.217							
EPH Band >C21-C28 (aq)	<0.01 mg/l	TM172	0.267							
EPH Band >C35-C40 (aq)	<0.01 mg/l	TM172	0.133							
EPH Band >C28-C35 (aq)	<0.01 mg/l	TM172	0.166							
Mercury (diss.filt)	<0.00001 mg/l	TM183	<0.00001 #							
Sulphate	<3 mg/l	TM184	80.5 #							
Chloride	<2 mg/l	TM184	65.6 #							
pH	<1 pH Units	TM256	8.2 #							

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			SWE1		Water(GW/SW)	29/07/2010	31/07/2010	100802-15	1896296	
Ammoniacal Nitrogen as NH4	<0.3 mg/l	TM099	0.315 #							
Arsenic (diss.filt)	<0.00012 mg/l	TM152	0.00115 #							
Boron (diss.filt)	<0.0094 mg/l	TM152	0.13 #							
Cadmium (diss.filt)	<0.0001 mg/l	TM152	<0.0001 #							
Chromium (diss.filt)	<0.00022 mg/l	TM152	0.00895 #							
Copper (diss.filt)	<0.00085 mg/l	TM152	<0.00085 #							
Lead (diss.filt)	<0.00002 mg/l	TM152	<0.00002 #							
Nickel (diss.filt)	<0.00015 mg/l	TM152	<0.00015 #							
Selenium (diss.filt)	<0.00039 mg/l	TM152	<0.00039 #							
Zinc (diss.filt)	<0.00041 mg/l	TM152	0.00174 #							
EPH Range >C10 - C40 (aq)	<0.046 mg/l	TM172	0.243 #							
EPH Band >C10-C12 (aq)	<0.01 mg/l	TM172	<0.01							
EPH Band >C12-C16 (aq)	<0.01 mg/l	TM172	0.0316							
EPH Band >C16-C21 (aq)	<0.01 mg/l	TM172	0.041							
EPH Band >C21-C28 (aq)	<0.01 mg/l	TM172	0.0558							
EPH Band >C35-C40 (aq)	<0.01 mg/l	TM172	0.0379							
EPH Band >C28-C35 (aq)	<0.01 mg/l	TM172	0.0761							
Mercury (diss.filt)	<0.00001 mg/l	TM183	<0.00001 #							
Sulphate	<3 mg/l	TM184	158 #							
Chloride	<2 mg/l	TM184	51.4 #							
pH	<1 pH Units	TM256	7.71 #							

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			SWE5		Water(GW/SW)	29/07/2010	31/07/2010	100802-15	1896298	
Ammoniacal Nitrogen as NH4	<0.3 mg/l	TM099	0.868 #							
Arsenic (diss.filt)	<0.00012 mg/l	TM152	0.00119 #							
Boron (diss.filt)	<0.0094 mg/l	TM152	0.108 #							
Cadmium (diss.filt)	<0.0001 mg/l	TM152	<0.0001 #							
Chromium (diss.filt)	<0.00022 mg/l	TM152	0.0109 #							
Copper (diss.filt)	<0.00085 mg/l	TM152	<0.00085 #							
Lead (diss.filt)	<0.00002 mg/l	TM152	0.000089 #							
Nickel (diss.filt)	<0.00015 mg/l	TM152	<0.00015 #							
Selenium (diss.filt)	<0.00039 mg/l	TM152	0.000578 #							
Zinc (diss.filt)	<0.00041 mg/l	TM152	0.00144 #							
EPH Range >C10 - C40 (aq)	<0.046 mg/l	TM172								
EPH Band >C10-C12 (aq)	<0.01 mg/l	TM172								
EPH Band >C12-C16 (aq)	<0.01 mg/l	TM172								
EPH Band >C16-C21 (aq)	<0.01 mg/l	TM172								
EPH Band >C21-C28 (aq)	<0.01 mg/l	TM172								
EPH Band >C35-C40 (aq)	<0.01 mg/l	TM172								
EPH Band >C28-C35 (aq)	<0.01 mg/l	TM172								
Mercury (diss.filt)	<0.00001 mg/l	TM183	<0.00001 #							
Sulphate	<3 mg/l	TM184	101 #							
Chloride	<2 mg/l	TM184	143 #							
pH	<1 pH Units	TM256	7.35 #							

ALcontrol Laboratories Analytical Services

SDG:	100802-15	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-11	**Attention:**	Nick Huyg
Client Reference:		**Order No.:**	228113
Location:	KL056 BICESTER	**Report No:**	92974

GRO by GC-FID (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SWD6	SWE1
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	29/07/2010	29/07/2010
			Date Received	31/07/2010	31/07/2010
			SDG Ref	100802-15	100802-15
			Lab Sample No.(s)	1896308	1896296
			AGS Reference		
GRO Surrogate % recovery**	%	TM245			85
Benzene	<0.007 mg/l	TM245		<0.007 #	<0.007 #
Toluene	<0.004 mg/l	TM245		<0.004 #	<0.004 #
Ethylbenzene	<0.005 mg/l	TM245		<0.005 #	<0.005 #
m,p-Xylene	<0.008 mg/l	TM245		<0.008 #	<0.008 #
o-Xylene	<0.003 mg/l	TM245		<0.003 #	<0.003 #
m,p,o-Xylene	<0.01 mg/l	TM245		<0.01 #	<0.01 #
BTEX, Total	<0.01 mg/l	TM245		<0.01 #	<0.01 #
Methyl tertiary butyl ether (MTBE)	<0.003 mg/l	TM245		<0.003 #	<0.003 #
GRO >C5-C6	<0.01 mg/l	TM245		<0.01	<0.01
GRO >C6-C7	<0.01 mg/l	TM245		<0.01	<0.01
GRO >C7-C8	<0.01 mg/l	TM245		<0.01	<0.01
GRO >C8-C10	<0.01 mg/l	TM245		<0.01	<0.01
GRO >C5-C12	<0.05 mg/l	TM245		<0.05 #	<0.05 #
GRO >C10-C12	<0.01 mg/l	TM245		<0.01	<0.01
Aliphatics >C5-C6	<0.01 mg/l	TM245			<0.01
Aliphatics >C6-C8	<0.01 mg/l	TM245			<0.01
Aliphatics >C8-C10	<0.01 mg/l	TM245			<0.01
Aliphatics >C10-C12	<0.01 mg/l	TM245			<0.01
Total Aliphatics >C5-C12	<0.01 mg/l	TM245			<0.01
Aromatics >C6-C7	<0.01 mg/l	TM245			<0.01
Aromatics >C7-C8	<0.01 mg/l	TM245			<0.01
Aromatics >EC8-EC10	<0.01 mg/l	TM245			<0.01
Aromatics >EC10-EC12	<0.01 mg/l	TM245			<0.01
Total Aromatics >C6-C12	<0.01 mg/l	TM245			<0.01

SDG:	100802-15	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-11	**Attention:**	Nick Huyg
Client Reference:		**Order No.:**	228113
Location:	KL056 BICESTER	**Report No:**	92974

SVOC MS (W) - Aqueous

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SWE1
			Depth (m)	
			Sample Type	Water(GW/SW)
			Date Sampled	29/07/2010
			Date Received	31/07/2010
			SDG Ref	100802-15
			Lab Sample No.(s)	1896296
			AGS Reference	
1,2,4-Trichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001
1,2-Dichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001
1,3-Dichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001
1,4-Dichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001
2,4,5-Trichlorophenol (aq)	<0.001 mg/l	TM176		<0.001
2,4,6-Trichlorophenol (aq)	<0.001 mg/l	TM176		<0.001
2,4-Dichlorophenol (aq)	<0.001 mg/l	TM176		<0.001
2,4-Dimethylphenol (aq)	<0.001 mg/l	TM176		<0.001
2,4-Dinitrotoluene (aq)	<0.001 mg/l	TM176		<0.001
2,6-Dinitrotoluene (aq)	<0.001 mg/l	TM176		<0.001
2-Chloronaphthalene (aq)	<0.001 mg/l	TM176		<0.001
2-Chlorophenol (aq)	<0.001 mg/l	TM176		<0.001
2-Methylnaphthalene (aq)	<0.001 mg/l	TM176		<0.001
2-Methylphenol (aq)	<0.001 mg/l	TM176		<0.001
2-Nitroaniline (aq)	<0.001 mg/l	TM176		<0.001
2-Nitrophenol (aq)	<0.001 mg/l	TM176		<0.001
3-Nitroaniline (aq)	<0.001 mg/l	TM176		<0.001
4-Bromophenylphenylether (aq)	<0.001 mg/l	TM176		<0.001
4-Chloro-3-methylphenol (aq)	<0.001 mg/l	TM176		<0.001
4-Chloroaniline (aq)	<0.001 mg/l	TM176		<0.001
4-Chlorophenylphenylether (aq)	<0.001 mg/l	TM176		<0.001
4-Methylphenol (aq)	<0.001 mg/l	TM176		<0.001
4-Nitrophenol (aq)	<0.001 mg/l	TM176		<0.001
4-Nitroaniline (aq)	<0.001 mg/l	TM176		<0.001
Azobenzene (aq)	<0.001 mg/l	TM176		<0.001
Acenaphthylene (aq)	<0.001 mg/l	TM176		<0.001
Acenaphthene (aq)	<0.001 mg/l	TM176		<0.001
Anthracene (aq)	<0.001 mg/l	TM176		<0.001
bis(2-Chloroethyl)ether (aq)	<0.001 mg/l	TM176		<0.001
bis(2-Chloroethoxy)methane (aq)	<0.001 mg/l	TM176		<0.001
bis(2-Ethylhexyl) phthalate (aq)	<0.002 mg/l	TM176		<0.002
Benzo(a)anthracene (aq)	<0.001 mg/l	TM176		<0.001
Butylbenzyl phthalate (aq)	<0.001 mg/l	TM176		<0.001
Benzo(b)fluoranthene (aq)	<0.001 mg/l	TM176		<0.001
Benzo(k)fluoranthene (aq)	<0.001 mg/l	TM176		<0.001
Benzo(a)pyrene (aq)	<0.001 mg/l	TM176		<0.001
Benzo(g,h,i)perylene (aq)	<0.001 mg/l	TM176		<0.001
Carbazole (aq)	<0.001 mg/l	TM176		<0.001
Chrysene (aq)	<0.001 mg/l	TM176		<0.001

ALcontrol Laboratories Analytical Services

SDG:	100802-15	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-11	**Attention:**	Nick Huyg
Client Reference:		**Order No.:**	228113
Location:	KL056 BICESTER	**Report No:**	92974

SVOC MS (W) - Aqueous

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	SWE1
Depth (m)	
Sample Type	Water(GW/SW)
Date Sampled	29/07/2010
Date Received	31/07/2010
SDG Ref	100802-15
Lab Sample No.(s)	1896296
AGS Reference	

Component	LOD/Units	Method	
Dibenzofuran (aq)	<0.001	mg/l	TM176	<0.001
n-Dibutyl phthalate (aq)	<0.001	mg/l	TM176	<0.001
Diethyl phthalate (aq)	<0.001	mg/l	TM176	<0.001
Dibenzo(a,h)anthracene (aq)	<0.001	mg/l	TM176	<0.001
Dimethyl phthalate (aq)	<0.001	mg/l	TM176	<0.001
n-Dioctyl phthalate (aq)	<0.005	mg/l	TM176	<0.005
Fluoranthene (aq)	<0.001	mg/l	TM176	<0.001
Fluorene (aq)	<0.001	mg/l	TM176	<0.001
Hexachlorobenzene (aq)	<0.001	mg/l	TM176	<0.001
Hexachlorobutadiene (aq)	<0.001	mg/l	TM176	<0.001
Pentachlorophenol (aq)	<0.001	mg/l	TM176	<0.001
Phenol (aq)	<0.001	mg/l	TM176	<0.001
n-Nitroso-n-dipropylamine (aq)	<0.001	mg/l	TM176	<0.001
Hexachloroethane (aq)	<0.001	mg/l	TM176	<0.001
Nitrobenzene (aq)	<0.001	mg/l	TM176	<0.001
Naphthalene (aq)	<0.001	mg/l	TM176	<0.001
Isophorone (aq)	<0.001	mg/l	TM176	<0.001
Hexachlorocyclopentadiene (aq)	<0.001	mg/l	TM176	<0.001
Phenanthrene (aq)	<0.001	mg/l	TM176	<0.001
Indeno(1,2,3-cd)pyrene (aq)	<0.001	mg/l	TM176	<0.001
Pyrene (aq)	<0.001	mg/l	TM176	<0.001

ALcontrol Laboratories Analytical Services

SDG:	100802-15	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-11	**Attention:**	Nick Huyg
Client Reference:		**Order No.:**	228113
Location:	KL056 BICESTER	**Report No:**	92974

TPH CWG (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SWE1
			Depth (m)	
			Sample Type	Water(GW/SW)
			Date Sampled	29/07/2010
			Date Received	31/07/2010
			SDG Ref	100802-15
			Lab Sample No.(s)	1896296
			AGS Reference	
Total Aliphatics >C5-C35 (aq)	<0.01 mg/l	TM174		<0.01
Total Aromatics >C6-C35 (aq)	<0.01 mg/l	TM174		0.023
Total Aliphatics & Aromatics >C5-35 (aq)	<0.01 mg/l	TM174		0.023
Aliphatics >C12-C16 (aq)	<0.01 mg/l	TM174		<0.01
Aromatics >EC12-EC16 (aq)	<0.01 mg/l	TM174		<0.01
Aliphatics >C16-C21 (aq)	<0.01 mg/l	TM174		<0.01
Aromatics >EC16-EC21 (aq)	<0.01 mg/l	TM174		<0.01
Aliphatics >C21-C35 (aq)	<0.01 mg/l	TM174		<0.01
Aromatics >EC21-EC35 (aq)	<0.01 mg/l	TM174		0.023
Total Aliphatics >C12-C35 (aq)	<0.01 mg/l	TM174		<0.01
Total Aromatics >EC12-EC35 (aq)	<0.01 mg/l	TM174		0.023
Total Aliphatics & Aromatics >C12-C35 (Aqueous)	<0.01 mg/l	TM174		0.023

SDG:	100802-15	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-11	**Attention:**	Nick Huyg
Client Reference:		**Order No.:**	228113
Location:	KL056 BICESTER	**Report No:**	92974

VOC MS (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SWE1
			Depth (m)	
			Sample Type	Water(GW/SW)
			Date Sampled	29/07/2010
			Date Received	31/07/2010
			SDG Ref	100802-15
			Lab Sample No.(s)	1896296
			AGS Reference	
Dibromofluoromethane**	%	TM208		102
Toluene-d8**	%	TM208		98.7
4-Bromofluorobenzene**	%	TM208		95.2
Dichlorodifluoromethane	<0.007 mg/l	TM208		<0.007 #
Chloromethane	<0.009 mg/l	TM208		<0.009 #
Vinyl chloride	<0.0012 mg/l	TM208		<0.0012 #
Bromomethane	<0.002 mg/l	TM208		<0.002 #
Chloroethane	<0.0025 mg/l	TM208		<0.0025 #
Trichlorofluoromethane	<0.0013 mg/l	TM208		<0.0013 #
1,1-Dichloroethene	<0.0012 mg/l	TM208		<0.0012 #
Carbon disulphide	<0.0013 mg/l	TM208		<0.0013 #
Dichloromethane	<0.0037 mg/l	TM208		<0.0037 #
Methyl tertiary butyl ether (MTBE)	<0.0016 mg/l	TM208		<0.0016 #
trans-1,2-Dichloroethene	<0.0019 mg/l	TM208		<0.0019 #
1,1-Dichloroethane	<0.0012 mg/l	TM208		<0.0012 #
cis-1,2-Dichloroethene	<0.0023 mg/l	TM208		<0.0023 #
2,2-Dichloropropane	<0.0038 mg/l	TM208		<0.0038 #
Bromochloromethane	<0.0019 mg/l	TM208		<0.0019 #
Chloroform	<0.0018 mg/l	TM208		<0.0018 #
1,1,1-Trichloroethane	<0.0013 mg/l	TM208		<0.0013 #
1,1-Dichloropropene	<0.0013 mg/l	TM208		<0.0013 #
Carbontetrachloride	<0.0014 mg/l	TM208		<0.0014 #
1,2-Dichloroethane	<0.0033 mg/l	TM208		<0.0033
Benzene	<0.0013 mg/l	TM208		<0.0013 #
Trichloroethene	<0.0025 mg/l	TM208		<0.0025 #
1,2-Dichloropropane	<0.003 mg/l	TM208		<0.003 #
Dibromomethane	<0.0027 mg/l	TM208		<0.0027 #
Bromodichloromethane	<0.0009 mg/l	TM208		<0.0009 #
cis-1,3-Dichloropropene	<0.0019 mg/l	TM208		<0.0019 #
Toluene	<0.0014 mg/l	TM208		<0.0014 #
trans-1,3-Dichloropropene	<0.0035 mg/l	TM208		<0.0035 #
1,1,2-Trichloroethane	<0.0022 mg/l	TM208		<0.0022 #
1,3-Dichloropropane	<0.0022 mg/l	TM208		<0.0022 #
Tetrachloroethene	<0.0015 mg/l	TM208		<0.0015 #
Dibromochloromethane	<0.0017 mg/l	TM208		<0.0017 #
1,2-Dibromoethane	<0.0023 mg/l	TM208		<0.0023 #
Chlorobenzene	<0.0035 mg/l	TM208		<0.0035 #
1,1,1,2-Tetrachloroethane	<0.0013 mg/l	TM208		<0.0013 #
Ethylbenzene	<0.0025 mg/l	TM208		<0.0025 #

SDG:	100802-15	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-11	**Attention:**	Nick Huyg
Client Reference:		**Order No.:**	228113
Location:	KL056 BICESTER	**Report No:**	92974

VOC MS (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SWE1
			Depth (m)	
			Sample Type	Water(GW/SW)
			Date Sampled	29/07/2010
			Date Received	31/07/2010
			SDG Ref	100802-15
			Lab Sample No.(s)	1896296
			AGS Reference	
m,p-Xylene	<0.0025 mg/l	TM208		<0.0025 #
o-Xylene	<0.0017 mg/l	TM208		<0.0017 #
Styrene	<0.0012 mg/l	TM208		<0.0012 #
Bromoform	<0.003 mg/l	TM208		<0.003 #
Isopropylbenzene	<0.0014 mg/l	TM208		<0.0014 #
1,1,2,2-Tetrachloroethane	<0.0052 mg/l	TM208		<0.0052
1,2,3-Trichloropropane	<0.0078 mg/l	TM208		<0.0078 #
Bromobenzene	<0.002 mg/l	TM208		<0.002 #
Propylbenzene	<0.0026 mg/l	TM208		<0.0026 #
2-Chlorotoluene	<0.0019 mg/l	TM208		<0.0019 #
1,3,5-Trimethylbenzene	<0.0018 mg/l	TM208		<0.0018 #
4-Chlorotoluene	<0.0019 mg/l	TM208		<0.0019 #
tert-Butylbenzene	<0.002 mg/l	TM208		<0.002 #
1,2,4-Trimethylbenzene	<0.0017 mg/l	TM208		<0.0017 #
sec-Butylbenzene	<0.0017 mg/l	TM208		<0.0017 #
4-iso-Propyltoluene	<0.0026 mg/l	TM208		<0.0026 #
1,3-Dichlorobenzene	<0.0022 mg/l	TM208		<0.0022 #
1,4-Dichlorobenzene	<0.0027 mg/l	TM208		<0.0027 #
n-Butylbenzene	<0.002 mg/l	TM208		<0.002 #
1,2-Dichlorobenzene	<0.0037 mg/l	TM208		<0.0037
1,2-Dibromo-3-chloropropane	<0.0098 mg/l	TM208		<0.0098
1,2,4-Trichlorobenzene	<0.0023 mg/l	TM208		<0.0023 #
Hexachlorobutadiene	<0.0025 mg/l	TM208		<0.0025 #
tert-Amyl methyl ether (TAME)	<0.001 mg/l	TM208		<0.001 #
Naphthalene	<0.0035 mg/l	TM208		<0.0035 #
1,2,3-Trichlorobenzene	<0.0031 mg/l	TM208		<0.0031 #
1,3,5-Trichlorobenzene	<0.01 mg/l	TM208		<0.01

Table of Results - Appendix

SDG Number : 100802-15 **Client :** Entec UK - MOD Ltd **Client Ref :**

REPORT KEY

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03x10-7

NDP	No Determination Possible	#	ISO 17025 Accredited	*	Subcontracted Test	M	MCERTS Accredited
NFD	No Fibres Detected	PFD	Possible Fibres Detected	»	Result previously reported (Incremental reports only)	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control

Method No	Reference	Description	Wet/Dry Sample [1]
TM061	Method for the Determination of EPH,Massachusetts Dept.of EP, 1998	Determination of Extractable Petroleum Hydrocarbons by GC-FID (C10-C40)	
TM099	BS 2690: Part 7:1968 / BS 6068: Part2.11:1984	Determination of Ammonium in Water Samples using the Kone Analyser	
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS	
TM172	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	EPH in Waters	
TM174	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Waters by GC-FID	
TM176	EPA 8270D Semi-Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	Determination of SVOCs in Water by GCMS	
TM178	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS in Waters	
TM183	BS EN 23506:2002, (BS 6068-2.74:2002) ISBN 0 580 38924 3	Determination of Trace Level Mercury in Waters and Leachates by PSA Cold Vapour Atomic Fluorescence Spectrometry	
TM184	EPA Methods 325.1 & 325.2,	The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	
TM208	Modified: US EPA Method 8260b & 624	Determination of Volatile Organic Compounds by Headspace / GC-MS in Waters	
TM245	By GC-FID	Determination of GRO by Headspace in waters	
TM256	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4.	Determination of pH in Water and Leachate using the GLpH pH Meter	

[1] Applies to Solid samples only. DRY indicates samples have been dried at 35°C. NA = not applicable.

APPENDIX

APPENDIX

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA Leach tests, flash point, ammonium as NH_4 by the BRE method, VOC TICS, SVOC TICS, TOF-MS SCAN/SEARCH and TOF-MS TICS.
2. Samples will be run in duplicate upon request, but an additional charge may be incurred.
3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for both soil jars, tubs and volatile jars. All waters and vials will be discarded 10 days after the analysis is completed (e-mailed). All material removed during an asbestos containing material screen and analysed for the presence of asbestos will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.
4. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.
5. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.
6. When requested, the individual sub sample scheduled will be screened in house for the presence of large asbestos containing material fragments/pieces. If no asbestos containing material is found this will be reported as 'no asbestos containing material detected'. If asbestos containing material is detected it will be removed and analysed by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If asbestos containing material is present no further analysis will be undertaken. At no point is the fibre content of the soil sample determined.
7. If no separate volatile sample is supplied by the client, the integrity of the data may be compromised if the laboratory is required to create a sub-sample from the bulk sample – similarly, if a headspace or sediment is present in the volatile sample. This will be flagged up as an invalid VOC on the test schedule or recorded on the log sheet.
8. If appropriate preserved bottles are not received preservation will take place on receipt. However, the integrity of the data may be compromised.
9. NDP – No determination possible due to insufficient/unsuitable sample.
10. Metals in water are performed on a filtered sample, and therefore represent dissolved metals – total metals must be requested separately.
11. A table containing the date of analysis for each parameter is not routinely included with the report, but is available upon request.
12. Results relate only to the items tested
13. **Surrogate recoveries** – Most of our organic methods include surrogates, the recovery of which is monitored and reported. For EPH, MO, PAH, GRO and VOCs on soils the result is not surrogate corrected, but a percentage recovery is quoted. Acceptable limits for most organic methods are 70 – 130 %.
14. **Product analyses** – Organic analyses on products can only be semi-quantitative due to the matrix effects and high dilution factors employed.
15. Phenols monohydric by HPLC include phenol, cresols (2-Methylphenol, 3-Methylphenol and 4-Methylphenol) and Xylenols (2,3 Dimethylphenol, 2,4 Dimethylphenol, 2,5 Dimethylphenol, 2,6 Dimethylphenol, 3,4 Dimethyphenol, 3,5 Dimethylphenol).
16. Total of 5 speciated phenols by HPLC includes Phenol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 14).
17. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.
18. Our MCERTS accreditation for PAHs by GCMS applies to all product types apart from Kerosene, where naphthalene only is not accredited.
19. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.
19. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.
20. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.
21. For all leachate preparations (NRA, DIN, TCLP, BSEN 12457-1, 2, 3) volatile loss may occur, as we do not employ zero headspace extraction.
22. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials – whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.
23. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C4 – C10 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

LIQUID MATRICES EXTRACTION SUMMARY

ANALYSIS	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
PAH MS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
EPH	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
EPH CWG	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
MINERAL OIL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
PCB 7 CONGENERS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
PCB TOTAL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GS MS
SVOC	DCM	LIQUID/LIQUID SHAKE	GC MS
FREE SULPHUR	DCM	SOLID PHASE EXTRACTION	HPLC
PEST OCP/OPP	DCM	LIQUID/LIQUID SHAKE	GC MS
TRIAZINE HERBS	DCM	LIQUID/LIQUID SHAKE	GC MS
PHENOLS MS	DCM	SOLID PHASE EXTRACTION	GC MS
TPH by INFRA RED (IR)	TCE	LIQUID/LIQUID EXTRACTION	HPLC
MINERAL OIL by IR	TCE	LIQUID/LIQUID EXTRACTION	HPLC
GLYCOLS	NONE	DIRECT INJECTION	GC FID

SOLID MATRICES EXTRACTION SUMMARY

ANALYSIS	D/C OR WET	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
Solvent Extractable Matter	D&C	DCM	SOXTHERM	GRAVIMETRIC
Cyclohexane Ext. Matter	D&C	CYCLOHEXANE	SOXTHERM	GRAVIMETRIC
Thin Layer Chromatography	D&C	DCM	SOXTHERM	IATROSCAN
Elemental Sulphur	D&C	DCM	SOXTHERM	HPLC
Phenols by GCMS	WET	DCM	SOXTHERM	GC-MS
Herbicides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
Pesticides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
EPH (DRO)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Min oil)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Cleaned up)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH CWG by GC	D&C	HEXANE:ACETONE	END OVER END	GC-FID
PCB tot / PCB con	D&C	HEXANE:ACETONE	END OVER END	GC-MS
Polyaromatic Hydrocarbons (MS)	WET	HEXANE:ACETONE	Microwave TM218.	GC-MS
C8-C40 (C6-C40)EZ Flash	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Polyaromatic Hydrocarbons Rapid GC	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Semi Volatile Organic Compounds	WET	DCM:ACETONE	SONICATE	GC-MS

Identification of Asbestos in Bulk Materials

The results for asbestos identification for soil samples are obtained from possible Asbestos Containing Material, removed during the 'Screening of soils for Asbestos Containing Materials', which have been examined to determine the presence of asbestos fibres using Alcontrol Laboratories (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Visual Estimation Of Fibre Content.

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: -

Trace – Where only one or two asbestos fibres were identified.

Further guidance on typical asbestos fibre content of manufactured products can be found in MDHS 100.

The identification of asbestos containing materials falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Unit 7-8 Hawarden Business Park
Manor Road (off Manor Lane)
Hawarden
Deeside
CH5 3US
Tel: (01244) 528700
Fax: (01244) 528701
email: mkt@alcontrol.com
Website: www.alcontrol.com

Attention: Simon Howard

CERTIFICATE OF ANALYSIS

Date:	13 August 2010		
Customer:	H_ENTEC_MOD-12		
Sample Delivery Group (SDG):	100809-24	**Report No.:**	93535
Your Reference:	26999		
Location:			

We received 24 samples on Saturday August 07, 2010 and 24 of these samples were scheduled for analysis which was completed on Friday August 13, 2010. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

All chemical testing (unless subcontracted) is performed at ALcontrol Hawarden Laboratories.

Asbestos testing - we are not accredited for screening soil samples for asbestos fibres. We are only accredited to identify asbestos fibres in bulk material (ACM).

Approved By:

Iain Swinton

Operations Director - Land UK & Ireland

Alcontrol Laboratories is a trading division of ALcontrol UK Limited
Registered Office: Units 7 & 8 Hawarden Business Park, Manor Road, Hawarden, Deeside, CH5 3US. Registered in England and Wales No. 4057291.

Validated

ALcontrol Laboratories Analytical Services

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
1924902	BHC 3			04/08/2010
1925483	BHD 01			05/08/2010
1925026	SWA 01			04/08/2010
1925083	SWC 1			04/08/2010
1925514	SWC 2			04/08/2010
1924965	SWC 4			04/08/2010
1924991	SWC 5			04/08/2010
1924938	SWC 8			04/08/2010
1925346	SWD 06			04/08/2010
1925307	SWD 09			05/08/2010
1924811	SWE 1			04/08/2010
1924861	SWE 5			04/08/2010
1925590	WSA 01			04/08/2010
1925581	WSA 03			04/08/2010
1924763	WSC 04			04/08/2010
1925540	WSC 08			04/08/2010
1925192	WSD 03			05/08/2010
1925289	WSD 07			05/08/2010
1925384	WSD 09			05/08/2010
1925610	WSD 10			05/08/2010
1925633	WSE 10			04/08/2010
1924790	WSE 17			04/08/2010
1925602	WSE 25			04/08/2010
1925110	WSE 26			04/08/2010

Only received samples which have had analysis scheduled will be shown on the following pages.

Validated

ALcontrol Laboratories Analytical Services

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

LIQUID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)	1924763	1924790	1924811	1924861	1924902	1924938	1924965	1924991	1925026	1925083	1925110	
Customer Sample Ref.	WSC 04	WSE 17	SWE 1	SWE 5	BHC 3	SWC 8	SWC 4	SWC 5	SWA 01	SWC 1	WSE 26	
AGS Ref.												
Depth (m)												
Container	1l green glass bottle / 500ml Plastic / H2SO4 / Vial	1l green glass bottle / 500ml Plastic / H2SO4 / Vial	1l green glass bottle / 500ml Plastic / H2SO4 / Vial	1l green glass bottle / 500ml Plastic / H2SO4	1l green glass bottle / 500ml Plastic / H2SO4 / Vial	1l green glass bottle / 500ml Plastic / H2SO4 / Vial	1l green glass bottle / 500ml Plastic / H2SO4	1l green glass bottle / 500ml Plastic / H2SO4	1l green glass bottle / 500ml Plastic / H2SO4 / Vial	1l green glass bottle / 500ml Plastic / H2SO4 / Vial	1l green glass bottle / 500ml Plastic / H2SO4 / Vial	1l green glass bottle / 500ml Plastic
Ammonium	All		X	X	X	X	X	X	X	X	X	X	X	
Anions by Kone (w)	All	X		X	X	X	X	X	X	X	X	X	X	X
Dissolved Metals by ICP-MS	All	X		X	X	X	X	X	X	X	X	X	X	X
EPH (DRO) (C10-C40) Aqueous (W)	All	X				X			X					
EPH CWG (Aliphatic) Aqueous GC (W)	All			X	X	X				X	X	X	X	
EPH CWG (Aromatic) Aqueous GC (W)	All			X	X	X				X	X	X	X	
GRO by GC-FID (W)	All		X	X	X	X	X	X	X	X	X	X	X	
Mercury Dissolved	All	X	X	X	X	X	X	X	X	X	X	X	X	
PAH Spec MS - Aqueous (W)	All		X	X	X	X			X		X	X	X	
pH Value	All	X	X	X	X	X	X	X	X	X	X	X	X	X
SVOC MS (W) - Aqueous	All		X	X	X	X					X	X	X	
TPH CWG (W)	All		X	X	X	X					X	X	X	
VOC MS (W)	All			X	X	X				X		X		

Total					0 24	0 24	0 24	0 7	0 9	0 9	0 16	0 24	0 10	0 24	0 9	0 9	0 9
1925633	WSE 10			Vial							X						
				H2SO4	X												
				500ml Plastic		X	X							X			
				1l green glass bottle				X				X					
1925610	WSD 10			H2SO4	X												
				500ml Plastic		X	X					X		X			
1925602	WSE 25			H2SO4	X												
				500ml Plastic		X	X					X		X			
1925590	WSA 01			H2SO4	X												
				500ml Plastic		X	X					X		X			
1925581	WSA 03			H2SO4	X												
				500ml Plastic		X	X					X		X			
1925540	WSC 08			Vial							X						X
				H2SO4	X												
				500ml Plastic		X	X							X			
				1l green glass bottle					X	X		X	X		X	X	
1925514	SWC 2			H2SO4	X												
				500ml Plastic		X	X							X			
				1l green glass bottle								X					
1925483	BHD 01			Vial							X						X
				H2SO4	X												
				500ml Plastic		X	X							X			
				1l green glass bottle					X	X		X	X		X	X	
1925384	WSD 09			Vial							X						
				H2SO4	X												
				500ml Plastic		X	X							X			
				1l green glass bottle				X				X					
1925346	SWD 06			Vial							X						
				H2SO4	X												
				500ml Plastic		X	X							X			
				1l green glass bottle				X				X					
1925307	SWD 09			Vial							X						X
				H2SO4	X												
				500ml Plastic		X	X							X			
				1l green glass bottle					X	X		X	X		X	X	
1925289	WSD 07			Vial							X						
				H2SO4	X												
				500ml Plastic		X	X							X			
				1l green glass bottle				X				X					
				Vial							X						X
				H2SO4	X												

Validated

ALcontrol Laboratories Analytical Services

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

Test Completion dates

SDG reference: 100809-24

Lab Sample No(s)	1924763	1924790	1924811	1924861	1924902	1924938	1924965	1924991	1925026	1925083	1925110	1925192
Customer Sample Ref.	WSC 04	WSE 17	SWE 1	SWE 5	BHC 3	SWC 8	SWC 4	SWC 5	SWA 01	SWC 1	WSE 26	WSD 03
Depth												
Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Ammonium	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010
Anions by Kone (w)	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010
Dissolved Metals by ICP-MS	11/08/2010	11/08/2010	12/08/2010	11/08/2010	11/08/2010	12/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010
EPH (DRO) (C10-C40) Aqueous (W)	12/08/2010					12/08/2010			12/08/2010			
EPH CWG (Aliphatic) Aqueous GC		12/08/2010	12/08/2010		12/08/2010					12/08/2010	12/08/2010	12/08/2010
EPH CWG (Aromatic) Aqueous GC		12/08/2010	12/08/2010		12/08/2010					12/08/2010	12/08/2010	12/08/2010
GRO by GC-FID (W)	11/08/2010	11/08/2010	11/08/2010		11/08/2010	11/08/2010			11/08/2010	11/08/2010	11/08/2010	11/08/2010
Mercury Dissolved	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010
PAH Spec MS - Aqueous (W)		12/08/2010	12/08/2010		12/08/2010			12/08/2010		12/08/2010	12/08/2010	12/08/2010
pH Value	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010
SVOC MS (W) - Aqueous		12/08/2010	12/08/2010		12/08/2010					12/08/2010	12/08/2010	12/08/2010
TPH CWG (W)		13/08/2010	13/08/2010		13/08/2010					13/08/2010	13/08/2010	13/08/2010
VOC MS (W)		11/08/2010	11/08/2010		11/08/2010					11/08/2010	11/08/2010	11/08/2010

1925289	1925307	1925346	1925384	1925483	1925514	1925540	1925581	1925590	1925602	1925610	1925633
WSD 07	SWD 09	SWD 06	WSD 09	BHD 01	SWC 2	WSC 08	WSA 03	WSA 01	WSE 25	WSD 10	WSE 10
LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010
11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010
11/08/2010	11/08/2010	12/08/2010	11/08/2010	13/08/2010	13/08/2010	13/08/2010	13/08/2010	12/08/2010	11/08/2010	13/08/2010	12/08/2010
11/08/2010		12/08/2010	12/08/2010								12/08/2010
	12/08/2010			12/08/2010		12/08/2010					
	12/08/2010			12/08/2010		12/08/2010					
11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010		11/08/2010					11/08/2010
10/08/2010	11/08/2010	11/08/2010	11/08/2010	10/08/2010	10/08/2010	10/08/2010	10/08/2010	11/08/2010	11/08/2010	10/08/2010	11/08/2010
	12/08/2010			11/08/2010		11/08/2010					
11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	10/08/2010	11/08/2010	11/08/2010	11/08/2010	10/08/2010	11/08/2010
	12/08/2010			12/08/2010		12/08/2010					
	13/08/2010			13/08/2010		13/08/2010					
	11/08/2010			11/08/2010		11/08/2010					

Validated

ALcontrol Laboratories Analytical Services

SDG: 100809-24
Job: H_ENTEC_MOD-12
Client Reference: 26999
Location:

Customer: Entec UK - MOD Ltd
Attention: Simon Howard
Order No.: 228113
Report No: 93535

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			BHC 3		Water(GW/SW)	04/08/2010	07/08/2010	100809-24	1924902	
			BHD 01		Water(GW/SW)	05/08/2010	07/08/2010	100809-24	1925483	
			SWA 01		Water(GW/SW)	04/08/2010	07/08/2010	100809-24	1925026	
			SWC 1		Water(GW/SW)	04/08/2010	07/08/2010	100809-24	1925083	
			SWC 2		Water(GW/SW)	04/08/2010	07/08/2010	100809-24	1925514	
			SWC 4		Water(GW/SW)	04/08/2010	07/08/2010	100809-24	1924965	
Ammoniacal Nitrogen as NH4	<0.3 mg/l	TM099	<0.3 #		1.83 #		0.753 #		<0.3 #		0.369 #		0.333 #	
Arsenic (diss.filt)	<0.00012 mg/l	TM152	0.00186 #		0.00462 #		0.00156 #		0.00149 #		0.00162 #		0.000874 #	
Boron (diss.filt)	<0.0094 mg/l	TM152	0.308 #		0.948 #		0.0344 #		0.105 #		0.105 #		0.0671 #	
Cadmium (diss.filt)	<0.0001 mg/l	TM152	<0.0001 #		0.000295 #		<0.0001 #		<0.0001 #		<0.0001 #		<0.0001 #	
Chromium (diss.filt)	<0.00022 mg/l	TM152	0.00886 #		0.0211 #		0.00553 #		0.00669 #		0.00666 #		0.00417 #	
Copper (diss.filt)	<0.00085 mg/l	TM152	0.00144 #		0.00613 #		<0.00085 #		<0.00085 #		<0.00085 #		0.00178 #	
Lead (diss.filt)	<0.00002 mg/l	TM152	0.00009 #		0.000346 #		0.000028 #		0.000124 #		0.000092 #		0.000135 #	
Nickel (diss.filt)	<0.00015 mg/l	TM152	<0.00015 #		0.129 #		<0.00015 #		<0.00015 #		<0.00015 #		<0.00015 #	
Selenium (diss.filt)	<0.00039 mg/l	TM152	0.00527 #		0.00922 #		0.000793 #		0.0012 #		0.000893 #		0.000881 #	
Zinc (diss.filt)	<0.00041 mg/l	TM152	0.00217 #		0.039 #		0.00172 #		0.00452 #		0.00311 #		0.0647 #	
EPH Range >C10 - C40 (aq)	<0.046 mg/l	TM172					2.22 #							
EPH Band >C10-C12 (aq)	<0.01 mg/l	TM172					0.0653							
EPH Band >C12-C16 (aq)	<0.01 mg/l	TM172					0.093							
EPH Band >C16-C21 (aq)	<0.01 mg/l	TM172					0.618							
EPH Band >C21-C28 (aq)	<0.01 mg/l	TM172					0.455							
EPH Band >C35-C40 (aq)	<0.01 mg/l	TM172					0.229							
EPH Band >C28-C35 (aq)	<0.01 mg/l	TM172					0.759							
Mercury (diss.filt)	<0.00001 mg/l	TM183	<0.00001 #		<0.00001 #		<0.00001 #		<0.00001 #		<0.00001 #		<0.00001 #	
Sulphate	<3 mg/l	TM184	163 #		2140 #		<3 #		85.7 #		73.3 #		47.4 #	
Chloride	<2 mg/l	TM184	45.5 #		66.7 #		2.7 #		170 #		154 #		92.4 #	
pH	<1 pH Units	TM256	7.83 #		7.99 #		7.6 #		8.55 #		8.31 #		8.37 #	

ALcontrol Laboratories Analytical Services

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

GRO by GC-FID (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SWA 01
			Depth (m)	
			Sample Type	Water(GW/SW)
			Date Sampled	04/08/2010
			Date Received	07/08/2010
			SDG Ref	100809-24
			Lab Sample No.(s)	1925026
			AGS Reference	
Benzene	<0.007 mg/l	TM245		<0.007 #
Toluene	<0.004 mg/l	TM245		<0.004 #
Ethylbenzene	<0.005 mg/l	TM245		<0.005 #
m,p-Xylene	<0.008 mg/l	TM245		<0.008 #
o-Xylene	<0.003 mg/l	TM245		<0.003 #
m,p,o-Xylene	<0.01 mg/l	TM245		<0.01 #
BTEX, Total	<0.01 mg/l	TM245		<0.01 #
Methyl tertiary butyl ether (MTBE)	<0.003 mg/l	TM245		<0.003 #
GRO >C5-C6	<0.01 mg/l	TM245		<0.01
GRO >C6-C7	<0.01 mg/l	TM245		<0.01
GRO >C7-C8	<0.01 mg/l	TM245		<0.01
GRO >C8-C10	<0.01 mg/l	TM245		<0.01
GRO >C5-C12	<0.05 mg/l	TM245		<0.05 #
GRO >C10-C12	<0.01 mg/l	TM245		<0.01

Validated

ALcontrol Laboratories Analytical Services

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

PAH Spec MS - Aqueous (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	BHC 3	BHD 01	SWC 1
			Depth (m)			
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	04/08/2010	05/08/2010	04/08/2010
			Date Received	07/08/2010	07/08/2010	07/08/2010
			SDG Ref	100809-24	100809-24	100809-24
			Lab Sample No.(s)	1924902	1925483	1925083
			AGS Reference			
Naphthalene (aq)	<0.0001 mg/l	TM178		<0.0001 #	0.000134 #	<0.0001 #
Acenaphthene (aq)	<0.000015 mg/l	TM178		<0.000015 #	0.000082 #	<0.000015 #
Acenaphthylene (aq)	<0.000011 mg/l	TM178		<0.000011 #	<0.000011 #	<0.000011 #
Fluoranthene (aq)	<0.000014 mg/l	TM178		0.00002 #	0.000181 #	0.000022 #
Anthracene (aq)	<0.000015 mg/l	TM178		<0.000015 #	0.000039 #	<0.000015 #
Phenanthrene (aq)	<0.000022 mg/l	TM178		<0.000022 #	0.000131 #	<0.000022 #
Fluorene (aq)	<0.000014 mg/l	TM178		<0.000014 #	0.000041 #	<0.000014 #
Chrysene (aq)	<0.000013 mg/l	TM178		0.000018 #	0.000035 #	0.000017 #
Pyrene (aq)	<0.000015 mg/l	TM178		0.000023 #	0.000155 #	0.000021 #
Benzo(a)anthracene (aq)	<0.000017 mg/l	TM178		0.000023 #	0.000083 #	0.000021 #
Benzo(b)fluoranthene (aq)	<0.000023 mg/l	TM178		<0.000023 #	0.000101 #	<0.000023 #
Benzo(k)fluoranthene (aq)	<0.000027 mg/l	TM178		<0.000027 #	0.000105 #	<0.000027 #
Benzo(a)pyrene (aq)	<0.000009 mg/l	TM178		0.000014 #	0.000125 #	0.00001 #
Dibenzo(a,h)anthracene (aq)	<0.000016 mg/l	TM178		<0.000016 #	0.000019 #	<0.000016 #
Benzo(g,h,i)perylene (aq)	<0.000016 mg/l	TM178		<0.000016 #	0.000065 #	<0.000016 #
Indeno(1,2,3-cd)pyrene (aq)	<0.000014 mg/l	TM178		<0.000014 #	0.000055 #	<0.000014 #
Polyaromatic hydrocarbons, Total USEPA 16 (aq)	<0.0001 mg/l	TM178		<0.0001 #	0.00135 #	<0.0001 #
Naphthalene-d8	%	TM178		100	100	100
Acenaphthene-d10	%	TM178		100	100	100
Phenanthrene-d10	%	TM178		100	100	100
Chrysene-d12	%	TM178		100	100	100
Perylene-d12	%	TM178		100	100	100

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

SVOC MS (W) - Aqueous

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	BHC 3	BHD 01	SWC 1
			Depth (m)			
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	04/08/2010	05/08/2010	04/08/2010
			Date Received	07/08/2010	07/08/2010	07/08/2010
			SDG Ref	100809-24	100809-24	100809-24
			Lab Sample No.(s)	1924902	1925483	1925083
			AGS Reference			
1,2,4-Trichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
1,2-Dichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
1,3-Dichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
1,4-Dichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
2,4,5-Trichlorophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
2,4,6-Trichlorophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
2,4-Dichlorophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
2,4-Dimethylphenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
2,4-Dinitrotoluene (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
2,6-Dinitrotoluene (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
2-Chloronaphthalene (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
2-Chlorophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
2-Methylnaphthalene (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
2-Methylphenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
2-Nitroaniline (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
2-Nitrophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
3-Nitroaniline (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
4-Bromophenylphenylether (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
4-Chloro-3-methylphenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
4-Chloroaniline (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
4-Chlorophenylphenylether (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
4-Methylphenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
4-Nitrophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
4-Nitroaniline (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
Azobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
bis(2-Chloroethyl)ether (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
bis(2-Chloroethoxy)methane (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
bis(2-Ethylhexyl) phthalate (aq)	<0.002 mg/l	TM176		<0.002	<0.002	<0.002
Butylbenzyl phthalate (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
Carbazole (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
Dibenzofuran (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
n-Dibutyl phthalate (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
Diethyl phthalate (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
Dimethyl phthalate (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
n-Dioctyl phthalate (aq)	<0.005 mg/l	TM176		<0.005	<0.005	<0.005
Hexachlorobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
Hexachlorobutadiene (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
Pentachlorophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
Phenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001

Validated

ALcontrol Laboratories Analytical Services

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

SVOC MS (W) - Aqueous

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	BHC 3	BHD 01	SWC 1
			Depth (m)			
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	04/08/2010	05/08/2010	04/08/2010
			Date Received	07/08/2010	07/08/2010	07/08/2010
			SDG Ref	100809-24	100809-24	100809-24
			Lab Sample No.(s)	1924902	1925483	1925083
			AGS Reference			
n-Nitroso-n-dipropylamine (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
Hexachloroethane (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
Nitrobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
Isophorone (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001
Hexachlorocyclopentadiene (aq)	<0.001 mg/l	TM176		<0.002	<0.001	<0.002
Indeno(1,2,3-cd)pyrene (aq)	<0.001 mg/l	TM176		<0.001	<0.001	<0.001

SDG: 100809-24
Job: H_ENTEC_MOD-12
Client Reference: 26999
Location:

Customer: Entec UK - MOD Ltd
Attention: Simon Howard
Order No.: 228113
Report No: 93535

TPH CWG (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	BHC 3	BHD 01	SWC 1
			Depth (m)			
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	04/08/2010	05/08/2010	04/08/2010
			Date Received	07/08/2010	07/08/2010	07/08/2010
			SDG Ref	100809-24	100809-24	100809-24
			Lab Sample No.(s)	1924902	1925483	1925083
			AGS Reference			
Total Aliphatics >C5-C35 (aq)	<0.01 mg/l	TM174		0.134	<0.01	<0.01
Total Aromatics >C6-C35 (aq)	<0.01 mg/l	TM174		<0.01	<0.01	<0.01
Total Aliphatics & Aromatics >C5-35 (aq)	<0.01 mg/l	TM174		0.134	<0.01	<0.01
Aliphatics >C12-C16 (aq)	<0.01 mg/l	TM174		<0.01	<0.01	<0.01
Aromatics >EC12-EC16 (aq)	<0.01 mg/l	TM174		<0.01	<0.01	<0.01
Aliphatics >C16-C21 (aq)	<0.01 mg/l	TM174		<0.01	<0.01	<0.01
Aromatics >EC16-EC21 (aq)	<0.01 mg/l	TM174		<0.01	<0.01	<0.01
Aliphatics >C21-C35 (aq)	<0.01 mg/l	TM174		<0.01	<0.01	<0.01
Aromatics >EC21-EC35 (aq)	<0.01 mg/l	TM174		<0.01	<0.01	<0.01
Total Aliphatics >C12-C35 (aq)	<0.01 mg/l	TM174		<0.01	<0.01	<0.01
Total Aromatics >EC12-EC35 (aq)	<0.01 mg/l	TM174		<0.01	<0.01	<0.01
Total Aliphatics & Aromatics >C12-C35 (Aqueous)	<0.01 mg/l	TM174		<0.01	<0.01	<0.01
GRO Surrogate % recovery**	%	TM245		108	96	114
Benzene	<0.007 mg/l	TM245		<0.007 #	<0.007 #	<0.007 #
Toluene	<0.004 mg/l	TM245		<0.004 #	<0.004 #	<0.004 #
Ethylbenzene	<0.005 mg/l	TM245		<0.005 #	<0.005 #	<0.005 #
m,p-Xylene	<0.008 mg/l	TM245		<0.008 #	<0.008 #	<0.008 #
o-Xylene	<0.003 mg/l	TM245		<0.003 #	<0.003 #	<0.003 #
m,p,o-Xylene	<0.01 mg/l	TM245		<0.01 #	<0.01 #	<0.01 #
BTEX, Total	<0.01 mg/l	TM245		<0.01 #	<0.01 #	<0.01 #
Methyl tertiary butyl ether (MTBE)	<0.003 mg/l	TM245		0.029 #	<0.003 #	<0.003 #
GRO >C5-C12	<0.05 mg/l	TM245		0.17 #	<0.05 #	<0.05 #
Aliphatics >C5-C6	<0.01 mg/l	TM245		<0.01	<0.01	<0.01
Aliphatics >C6-C8	<0.01 mg/l	TM245		0.134	<0.01	<0.01
Aliphatics >C8-C10	<0.01 mg/l	TM245		<0.01	<0.01	<0.01
Aliphatics >C10-C12	<0.01 mg/l	TM245		<0.01	<0.01	<0.01
Total Aliphatics >C5-C12	<0.01 mg/l	TM245		0.134	<0.01	<0.01
Aromatics >C6-C7	<0.01 mg/l	TM245		<0.01	<0.01	<0.01
Aromatics >C7-C8	<0.01 mg/l	TM245		<0.01	<0.01	<0.01
Aromatics >EC8-EC10	<0.01 mg/l	TM245		<0.01	<0.01	<0.01
Aromatics >EC10-EC12	<0.01 mg/l	TM245		<0.01	<0.01	<0.01
Total Aromatics >C6-C12	<0.01 mg/l	TM245		<0.01	<0.01	<0.01

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

VOC MS (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	BHC 3	BHD 01	SWC 1
			Depth (m)			
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	04/08/2010	05/08/2010	04/08/2010
			Date Received	07/08/2010	07/08/2010	07/08/2010
			SDG Ref	100809-24	100809-24	100809-24
			Lab Sample No.(s)	1924902	1925483	1925083
			AGS Reference			
Dibromofluoromethane**	%	TM208		93.8	96.4	96
Toluene-d8**	%	TM208		97.3	96.9	97.3
4-Bromofluorobenzene**	%	TM208		95	95.3	95.7
Dichlorodifluoromethane	<0.007 mg/l	TM208		<0.007 #	<0.007 #	<0.007 #
Chloromethane	<0.009 mg/l	TM208		<0.009 #	<0.009 #	<0.009 #
Vinyl chloride	<0.0012 mg/l	TM208		0.028 #	<0.0012 #	<0.0012 #
Bromomethane	<0.002 mg/l	TM208		<0.002 #	<0.002 #	<0.002 #
Chloroethane	<0.0025 mg/l	TM208		<0.0025 #	<0.0025 #	<0.0025 #
Trichlorofluoromethane	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #	<0.0013 #
1,1-Dichloroethene	<0.0012 mg/l	TM208		<0.0012 #	<0.0012 #	<0.0012 #
Carbon disulphide	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #	<0.0013 #
Dichloromethane	<0.0037 mg/l	TM208		<0.0037 #	<0.0037 #	<0.0037 #
Methyl tertiary butyl ether (MTBE)	<0.0016 mg/l	TM208		0.0241 #	<0.0016 #	<0.0016 #
trans-1,2-Dichloroethene	<0.0019 mg/l	TM208		0.00744 #	<0.0019 #	<0.0019 #
1,1-Dichloroethane	<0.0012 mg/l	TM208		<0.0012 #	<0.0012 #	<0.0012 #
cis-1,2-Dichloroethene	<0.0023 mg/l	TM208		0.523 #	<0.0023 #	<0.0023 #
2,2-Dichloropropane	<0.0038 mg/l	TM208		<0.0038 #	<0.0038 #	<0.0038 #
Bromochloromethane	<0.0019 mg/l	TM208		<0.0019 #	<0.0019 #	<0.0019 #
Chloroform	<0.0018 mg/l	TM208		<0.0018 #	<0.0018 #	<0.0018 #
1,1,1-Trichloroethane	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #	<0.0013 #
1,1-Dichloropropene	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #	<0.0013 #
Carbontetrachloride	<0.0014 mg/l	TM208		<0.0014 #	<0.0014 #	<0.0014 #
1,2-Dichloroethane	<0.0033 mg/l	TM208		<0.0033	<0.0033	<0.0033
Benzene	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #	<0.0013 #
Trichloroethene	<0.0025 mg/l	TM208		0.00318 #	<0.0025 #	<0.0025 #
1,2-Dichloropropane	<0.003 mg/l	TM208		<0.003 #	<0.003 #	<0.003 #
Dibromomethane	<0.0027 mg/l	TM208		<0.0027 #	<0.0027 #	<0.0027 #
Bromodichloromethane	<0.0009 mg/l	TM208		<0.0009 #	<0.0009 #	<0.0009 #
cis-1,3-Dichloropropene	<0.0019 mg/l	TM208		<0.0019 #	<0.0019 #	<0.0019 #
Toluene	<0.0014 mg/l	TM208		<0.0014 #	<0.0014 #	<0.0014 #
trans-1,3-Dichloropropene	<0.0035 mg/l	TM208		<0.0035 #	<0.0035 #	<0.0035 #
1,1,2-Trichloroethane	<0.0022 mg/l	TM208		<0.0022 #	<0.0022 #	<0.0022 #
1,3-Dichloropropane	<0.0022 mg/l	TM208		<0.0022 #	<0.0022 #	<0.0022 #
Tetrachloroethene	<0.0015 mg/l	TM208		<0.0015 #	<0.0015 #	<0.0015 #
Dibromochloromethane	<0.0017 mg/l	TM208		<0.0017 #	<0.0017 #	<0.0017 #
1,2-Dibromoethane	<0.0023 mg/l	TM208		<0.0023 #	<0.0023 #	<0.0023 #
Chlorobenzene	<0.0035 mg/l	TM208		<0.0035 #	<0.0035 #	<0.0035 #
1,1,1,2-Tetrachloroethane	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #	<0.0013 #
Ethylbenzene	<0.0025 mg/l	TM208		<0.0025 #	<0.0025 #	<0.0025 #

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

VOC MS (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref. / Depth (m) / Sample Type / Date Sampled / Date Received / SDG Ref / Lab Sample No.(s) / AGS Reference		
			BHC 3 Water(GW/SW) 04/08/2010 07/08/2010 100809-24 1924902	BHD 01 Water(GW/SW) 05/08/2010 07/08/2010 100809-24 1925483	SWC 1 Water(GW/SW) 04/08/2010 07/08/2010 100809-24 1925083
m,p-Xylene	<0.0025 mg/l	TM208	<0.0025 #	<0.0025 #	<0.0025 #
o-Xylene	<0.0017 mg/l	TM208	<0.0017 #	<0.0017 #	<0.0017 #
Styrene	<0.0012 mg/l	TM208	<0.0012 #	<0.0012 #	<0.0012 #
Bromoform	<0.003 mg/l	TM208	<0.003 #	<0.003 #	<0.003 #
Isopropylbenzene	<0.0014 mg/l	TM208	<0.0014 #	<0.0014 #	<0.0014 #
1,1,2,2-Tetrachloroethane	<0.0052 mg/l	TM208	<0.0052	<0.0052	<0.0052
1,2,3-Trichloropropane	<0.0078 mg/l	TM208	<0.0078 #	<0.0078 #	<0.0078 #
Bromobenzene	<0.002 mg/l	TM208	<0.002 #	<0.002 #	<0.002 #
Propylbenzene	<0.0026 mg/l	TM208	<0.0026 #	<0.0026 #	<0.0026 #
2-Chlorotoluene	<0.0019 mg/l	TM208	<0.0019 #	<0.0019 #	<0.0019 #
1,3,5-Trimethylbenzene	<0.0018 mg/l	TM208	<0.0018 #	<0.0018 #	<0.0018 #
4-Chlorotoluene	<0.0019 mg/l	TM208	<0.0019 #	<0.0019 #	<0.0019 #
tert-Butylbenzene	<0.002 mg/l	TM208	<0.002 #	<0.002 #	<0.002 #
1,2,4-Trimethylbenzene	<0.0017 mg/l	TM208	<0.0017 #	<0.0017 #	<0.0017 #
sec-Butylbenzene	<0.0017 mg/l	TM208	<0.0017 #	<0.0017 #	<0.0017 #
4-iso-Propyltoluene	<0.0026 mg/l	TM208	<0.0026 #	<0.0026 #	<0.0026 #
1,3-Dichlorobenzene	<0.0022 mg/l	TM208	<0.0022 #	<0.0022 #	<0.0022 #
1,4-Dichlorobenzene	<0.0027 mg/l	TM208	<0.0027 #	<0.0027 #	<0.0027 #
n-Butylbenzene	<0.002 mg/l	TM208	<0.002 #	<0.002 #	<0.002 #
1,2-Dichlorobenzene	<0.0037 mg/l	TM208	<0.0037	<0.0037	<0.0037
1,2-Dibromo-3-chloropropane	<0.0098 mg/l	TM208	<0.0098	<0.0098	<0.0098
1,2,4-Trichlorobenzene	<0.0023 mg/l	TM208	<0.0023 #	<0.0023 #	<0.0023 #
Hexachlorobutadiene	<0.0025 mg/l	TM208	<0.0025 #	<0.0025 #	<0.0025 #
tert-Amyl methyl ether (TAME)	<0.001 mg/l	TM208	<0.001 #	<0.001 #	<0.001 #
Naphthalene	<0.0035 mg/l	TM208	<0.0035 #	<0.0035 #	<0.0035 #
1,2,3-Trichlorobenzene	<0.0031 mg/l	TM208	<0.0031 #	<0.0031 #	<0.0031 #
1,3,5-Trichlorobenzene	<0.01 mg/l	TM208	<0.01	<0.01	<0.01

Validated

ALcontrol Laboratories Analytical Services

SDG: 100809-24
Job: H_ENTEC_MOD-12
Client Reference: 26999
Location:

Customer: Entec UK - MOD Ltd
Attention: Simon Howard
Order No.: 228113
Report No: 93535

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			SWC 5		Water(GW/SW)	04/08/2010	07/08/2010	100809-24	1924991	
			SWC 8		Water(GW/SW)	04/08/2010	07/08/2010	100809-24	1924938	
			SWD 06		Water(GW/SW)	04/08/2010	07/08/2010	100809-24	1925346	
			SWD 09		Water(GW/SW)	05/08/2010	07/08/2010	100809-24	1925307	
			SWE 1		Water(GW/SW)	04/08/2010	07/08/2010	100809-24	1924811	
			SWE 5		Water(GW/SW)	04/08/2010	07/08/2010	100809-24	1924861	
Ammoniacal Nitrogen as NH4	<0.3 mg/l	TM099	0.468 #		0.477 #		12.7 #		<0.3 #		<0.3 #		0.374 #	
Arsenic (diss.filt)	<0.00012 mg/l	TM152	0.000664 #		0.00125 #		0.00181 #		0.000871 #		0.00323 #		0.000599 #	
Boron (diss.filt)	<0.0094 mg/l	TM152	0.0208 #		0.0404 #		0.0674 #		0.0352 #		0.121 #		0.0355 #	
Cadmium (diss.filt)	<0.0001 mg/l	TM152	<0.0001 #		<0.0001 #		<0.0001 #		<0.0001 #		<0.0001 #		<0.0001 #	
Chromium (diss.filt)	<0.00022 mg/l	TM152	0.00134 #		0.00259 #		0.0065 #		0.00196 #		0.0055 #		0.00173 #	
Copper (diss.filt)	<0.00085 mg/l	TM152	0.00285 #		0.00408 #		0.00101 #		0.00129 #		0.000967 #		0.00251 #	
Lead (diss.filt)	<0.00002 mg/l	TM152	0.000124 #		0.00015 #		<0.00002 #		0.000505 #		0.000055 #		0.00011 #	
Nickel (diss.filt)	<0.00015 mg/l	TM152	<0.00015 #		<0.00015 #		0.00938 #		<0.00015 #		<0.00015 #		<0.00015 #	
Selenium (diss.filt)	<0.00039 mg/l	TM152	0.00039 #		0.000996 #		0.00122 #		0.000881 #		0.00151 #		<0.00039 #	
Zinc (diss.filt)	<0.00041 mg/l	TM152	0.0213 #		0.0328 #		0.00316 #		0.111 #		0.00267 #		0.0318 #	
EPH Range >C10 - C40 (aq)	<0.046 mg/l	TM172			0.137 #		0.114 #							
EPH Band >C10-C12 (aq)	<0.01 mg/l	TM172			<0.01		<0.01							
EPH Band >C12-C16 (aq)	<0.01 mg/l	TM172			0.0104		<0.01							
EPH Band >C16-C21 (aq)	<0.01 mg/l	TM172			0.0363		0.0195							
EPH Band >C21-C28 (aq)	<0.01 mg/l	TM172			0.0388		0.0182							
EPH Band >C35-C40 (aq)	<0.01 mg/l	TM172			<0.01		<0.01							
EPH Band >C28-C35 (aq)	<0.01 mg/l	TM172			0.0451		0.0705							
Mercury (diss.filt)	<0.00001 mg/l	TM183	<0.00001 #		<0.00001 #		<0.00001 #		0.000011 #		<0.00001 #		<0.00001 #	
Sulphate	<3 mg/l	TM184	15.6 #		47.9 #		85.9 #		39.4 #		145 #		34.4 #	
Chloride	<2 mg/l	TM184	15.3 #		37.6 #		56.2 #		26.2 #		67.9 #		22.5 #	
pH	<1 pH Units	TM256	7.7 #		8.1 #		8.44 #		7.68 #		8.24 #		7.97 #	

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

GRO by GC-FID (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SWC 8	SWD 06
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	04/08/2010	04/08/2010
			Date Received	07/08/2010	07/08/2010
			SDG Ref	100809-24	100809-24
			Lab Sample No.(s)	1924938	1925346
			AGS Reference		
Benzene	<0.007 mg/l	TM245		<0.007 #	<0.007 #
Toluene	<0.004 mg/l	TM245		<0.004 #	<0.004 #
Ethylbenzene	<0.005 mg/l	TM245		<0.005 #	<0.005 #
m,p-Xylene	<0.008 mg/l	TM245		<0.008 #	<0.008 #
o-Xylene	<0.003 mg/l	TM245		<0.003 #	<0.003 #
m,p,o-Xylene	<0.01 mg/l	TM245		<0.01 #	<0.01 #
BTEX, Total	<0.01 mg/l	TM245		<0.01 #	<0.01 #
Methyl tertiary butyl ether (MTBE)	<0.003 mg/l	TM245		<0.003 #	<0.003 #
GRO >C5-C6	<0.01 mg/l	TM245		<0.01	<0.01
GRO >C6-C7	<0.01 mg/l	TM245		<0.01	<0.01
GRO >C7-C8	<0.01 mg/l	TM245		<0.01	<0.01
GRO >C8-C10	<0.01 mg/l	TM245		<0.01	<0.01
GRO >C5-C12	<0.05 mg/l	TM245		<0.05 #	<0.05 #
GRO >C10-C12	<0.01 mg/l	TM245		<0.01	<0.01

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

PAH Spec MS - Aqueous (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SWC 5	SWD 09	SWE 1
			Depth (m)			
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	04/08/2010	05/08/2010	04/08/2010
			Date Received	07/08/2010	07/08/2010	07/08/2010
			SDG Ref	100809-24	100809-24	100809-24
			Lab Sample No.(s)	1924991	1925307	1924811
			AGS Reference			
Naphthalene (aq)	<0.0001 mg/l	TM178		<0.0001 #	<0.0001 #	<0.0001 #
Acenaphthene (aq)	<0.000015 mg/l	TM178		<0.000015 #	<0.000015 #	<0.000015 #
Acenaphthylene (aq)	<0.000011 mg/l	TM178		<0.000011 #	<0.000011 #	<0.000011 #
Fluoranthene (aq)	<0.000014 mg/l	TM178		0.000015 #	0.000016 #	0.000106 #
Anthracene (aq)	<0.000015 mg/l	TM178		<0.000015 #	<0.000015 #	<0.000015 #
Phenanthrene (aq)	<0.000022 mg/l	TM178		<0.000022 #	<0.000022 #	0.000031 #
Fluorene (aq)	<0.000014 mg/l	TM178		<0.000014 #	<0.000014 #	<0.000014 #
Chrysene (aq)	<0.000013 mg/l	TM178		<0.000013 #	<0.000013 #	0.000071 #
Pyrene (aq)	<0.000015 mg/l	TM178		<0.000015 #	0.000015 #	0.000095 #
Benzo(a)anthracene (aq)	<0.000017 mg/l	TM178		<0.000017 #	0.00002 #	0.000055 #
Benzo(b)fluoranthene (aq)	<0.000023 mg/l	TM178		<0.000023 #	<0.000023 #	0.00005 #
Benzo(k)fluoranthene (aq)	<0.000027 mg/l	TM178		<0.000027 #	<0.000027 #	0.000049 #
Benzo(a)pyrene (aq)	<0.000009 mg/l	TM178		<0.000009 #	0.000009 #	0.00006 #
Dibenzo(a,h)anthracene (aq)	<0.000016 mg/l	TM178		<0.000016 #	<0.000016 #	<0.000016 #
Benzo(g,h,i)perylene (aq)	<0.000016 mg/l	TM178		<0.000016 #	<0.000016 #	0.000053 #
Indeno(1,2,3-cd)pyrene (aq)	<0.000014 mg/l	TM178		<0.000014 #	<0.000014 #	0.000037 #
Polyaromatic hydrocarbons, Total USEPA 16 (aq)	<0.0001 mg/l	TM178		<0.0001 #	<0.0001 #	0.000563 #
Naphthalene-d8	%	TM178		100	100	100
Acenaphthene-d10	%	TM178		100	100	100
Phenanthrene-d10	%	TM178		100	100	100
Chrysene-d12	%	TM178		100	100	100
Perylene-d12	%	TM178		100	100	100

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

SVOC MS (W) - Aqueous

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SWD 09	SWE 1
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	05/08/2010	04/08/2010
			Date Received	07/08/2010	07/08/2010
			SDG Ref	100809-24	100809-24
			Lab Sample No.(s)	1925307	1924811
			AGS Reference		
1,2,4-Trichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
1,2-Dichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
1,3-Dichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
1,4-Dichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2,4,5-Trichlorophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2,4,6-Trichlorophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2,4-Dichlorophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2,4-Dimethylphenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2,4-Dinitrotoluene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2,6-Dinitrotoluene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2-Chloronaphthalene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2-Chlorophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2-Methylnaphthalene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2-Methylphenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2-Nitroaniline (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2-Nitrophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
3-Nitroaniline (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Bromophenylphenylether (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Chloro-3-methylphenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Chloroaniline (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Chlorophenylphenylether (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Methylphenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Nitrophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Nitroaniline (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Azobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
bis(2-Chloroethyl)ether (aq)	<0.001 mg/l	TM176		<0.001	<0.001
bis(2-Chloroethoxy)methane (aq)	<0.001 mg/l	TM176		<0.001	<0.001
bis(2-Ethylhexyl) phthalate (aq)	<0.002 mg/l	TM176		<0.002	<0.002
Butylbenzyl phthalate (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Carbazole (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Dibenzofuran (aq)	<0.001 mg/l	TM176		<0.001	<0.001
n-Dibutyl phthalate (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Diethyl phthalate (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Dimethyl phthalate (aq)	<0.001 mg/l	TM176		<0.001	<0.001
n-Dioctyl phthalate (aq)	<0.005 mg/l	TM176		<0.005	<0.005
Hexachlorobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Hexachlorobutadiene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Pentachlorophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Phenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001

ALcontrol Laboratories Analytical Services

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

SVOC MS (W) - Aqueous

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	SWD 09	SWE 1
Depth (m)		
Sample Type	Water(GW/SW)	Water(GW/SW)
Date Sampled	05/08/2010	04/08/2010
Date Received	07/08/2010	07/08/2010
SDG Ref	100809-24	100809-24
Lab Sample No.(s)	1925307	1924811
AGS Reference		

Component	LOD/Units	Method		
n-Nitroso-n-dipropylamine (aq)	<0.001 mg/l	TM176	<0.001	<0.001
Hexachloroethane (aq)	<0.001 mg/l	TM176	<0.001	<0.001
Nitrobenzene (aq)	<0.001 mg/l	TM176	<0.001	<0.001
Isophorone (aq)	<0.001 mg/l	TM176	<0.001	<0.001
Hexachlorocyclopentadiene (aq)	<0.001 mg/l	TM176	<0.002	<0.002
Indeno(1,2,3-cd)pyrene (aq)	<0.001 mg/l	TM176	<0.001	<0.001

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

TPH CWG (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SWD 09	SWE 1
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	05/08/2010	04/08/2010
			Date Received	07/08/2010	07/08/2010
			SDG Ref	100809-24	100809-24
			Lab Sample No.(s)	1925307	1924811
			AGS Reference		
Total Aliphatics >C5-C35 (aq)	<0.01 mg/l	TM174		0.012	0.016
Total Aromatics >C6-C35 (aq)	<0.01 mg/l	TM174		0.018	0.052
Total Aliphatics & Aromatics >C5-35 (aq)	<0.01 mg/l	TM174		0.03	0.068
Aliphatics >C12-C16 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Aromatics >EC12-EC16 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Aliphatics >C16-C21 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Aromatics >EC16-EC21 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Aliphatics >C21-C35 (aq)	<0.01 mg/l	TM174		0.012	0.016
Aromatics >EC21-EC35 (aq)	<0.01 mg/l	TM174		0.018	0.052
Total Aliphatics >C12-C35 (aq)	<0.01 mg/l	TM174		0.012	0.016
Total Aromatics >EC12-EC35 (aq)	<0.01 mg/l	TM174		0.018	0.052
Total Aliphatics & Aromatics >C12-C35 (Aqueous)	<0.01 mg/l	TM174		0.03	0.068
GRO Surrogate % recovery**	%	TM245		113	97
Benzene	<0.007 mg/l	TM245		<0.007 #	<0.007 #
Toluene	<0.004 mg/l	TM245		<0.004 #	<0.004 #
Ethylbenzene	<0.005 mg/l	TM245		<0.005 #	<0.005 #
m,p-Xylene	<0.008 mg/l	TM245		<0.008 #	<0.008 #
o-Xylene	<0.003 mg/l	TM245		<0.003 #	<0.003 #
m,p,o-Xylene	<0.01 mg/l	TM245		<0.01 #	<0.01 #
BTEX, Total	<0.01 mg/l	TM245		<0.01 #	<0.01 #
Methyl tertiary butyl ether (MTBE)	<0.003 mg/l	TM245		<0.003 #	<0.003 #
GRO >C5-C12	<0.05 mg/l	TM245		<0.05 #	<0.05 #
Aliphatics >C5-C6	<0.01 mg/l	TM245		<0.01	<0.01
Aliphatics >C6-C8	<0.01 mg/l	TM245		<0.01	<0.01
Aliphatics >C8-C10	<0.01 mg/l	TM245		<0.01	<0.01
Aliphatics >C10-C12	<0.01 mg/l	TM245		<0.01	<0.01
Total Aliphatics >C5-C12	<0.01 mg/l	TM245		<0.01	<0.01
Aromatics >C6-C7	<0.01 mg/l	TM245		<0.01	<0.01
Aromatics >C7-C8	<0.01 mg/l	TM245		<0.01	<0.01
Aromatics >EC8-EC10	<0.01 mg/l	TM245		<0.01	<0.01
Aromatics >EC10-EC12	<0.01 mg/l	TM245		<0.01	<0.01
Total Aromatics >C6-C12	<0.01 mg/l	TM245		<0.01	<0.01

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

VOC MS (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SWD 09	SWE 1
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	05/08/2010	04/08/2010
			Date Received	07/08/2010	07/08/2010
			SDG Ref	100809-24	100809-24
			Lab Sample No.(s)	1925307	1924811
			AGS Reference		
Dibromofluoromethane**	%	TM208		96.3	95.8
Toluene-d8**	%	TM208		97.1	97.5
4-Bromofluorobenzene**	%	TM208		95.6	96.4
Dichlorodifluoromethane	<0.007 mg/l	TM208		<0.007 #	<0.007 #
Chloromethane	<0.009 mg/l	TM208		<0.009 #	<0.009 #
Vinyl chloride	<0.0012 mg/l	TM208		<0.0012 #	<0.0012 #
Bromomethane	<0.002 mg/l	TM208		<0.002 #	<0.002 #
Chloroethane	<0.0025 mg/l	TM208		<0.0025 #	<0.0025 #
Trichlorofluoromethane	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #
1,1-Dichloroethene	<0.0012 mg/l	TM208		<0.0012 #	<0.0012 #
Carbon disulphide	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #
Dichloromethane	<0.0037 mg/l	TM208		<0.0037 #	<0.0037 #
Methyl tertiary butyl ether (MTBE)	<0.0016 mg/l	TM208		<0.0016 #	<0.0016 #
trans-1,2-Dichloroethene	<0.0019 mg/l	TM208		<0.0019 #	<0.0019 #
1,1-Dichloroethane	<0.0012 mg/l	TM208		<0.0012 #	<0.0012 #
cis-1,2-Dichloroethene	<0.0023 mg/l	TM208		<0.0023 #	<0.0023 #
2,2-Dichloropropane	<0.0038 mg/l	TM208		<0.0038 #	<0.0038 #
Bromochloromethane	<0.0019 mg/l	TM208		<0.0019 #	<0.0019 #
Chloroform	<0.0018 mg/l	TM208		<0.0018 #	<0.0018 #
1,1,1-Trichloroethane	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #
1,1-Dichloropropene	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #
Carbontetrachloride	<0.0014 mg/l	TM208		<0.0014 #	<0.0014 #
1,2-Dichloroethane	<0.0033 mg/l	TM208		<0.0033	<0.0033
Benzene	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #
Trichloroethene	<0.0025 mg/l	TM208		<0.0025 #	<0.0025 #
1,2-Dichloropropane	<0.003 mg/l	TM208		<0.003 #	<0.003 #
Dibromomethane	<0.0027 mg/l	TM208		<0.0027 #	<0.0027 #
Bromodichloromethane	<0.0009 mg/l	TM208		<0.0009 #	<0.0009 #
cis-1,3-Dichloropropene	<0.0019 mg/l	TM208		<0.0019 #	<0.0019 #
Toluene	<0.0014 mg/l	TM208		<0.0014 #	<0.0014 #
trans-1,3-Dichloropropene	<0.0035 mg/l	TM208		<0.0035 #	<0.0035 #
1,1,2-Trichloroethane	<0.0022 mg/l	TM208		<0.0022 #	<0.0022 #
1,3-Dichloropropane	<0.0022 mg/l	TM208		<0.0022 #	<0.0022 #
Tetrachloroethene	<0.0015 mg/l	TM208		<0.0015 #	<0.0015 #
Dibromochloromethane	<0.0017 mg/l	TM208		<0.0017 #	<0.0017 #
1,2-Dibromoethane	<0.0023 mg/l	TM208		<0.0023 #	<0.0023 #
Chlorobenzene	<0.0035 mg/l	TM208		<0.0035 #	<0.0035 #
1,1,1,2-Tetrachloroethane	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #
Ethylbenzene	<0.0025 mg/l	TM208		<0.0025 #	<0.0025 #

SDG: 100809-24
Job: H_ENTEC_MOD-12
Client Reference: 26999
Location:

Customer: Entec UK - MOD Ltd
Attention: Simon Howard
Order No.: 228113
Report No: 93535

VOC MS (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	SWD 09	SWE 1
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	05/08/2010	04/08/2010
			Date Received	07/08/2010	07/08/2010
			SDG Ref	100809-24	100809-24
			Lab Sample No.(s)	1925307	1924811
			AGS Reference		
m,p-Xylene	<0.0025 mg/l	TM208		<0.0025 #	<0.0025 #
o-Xylene	<0.0017 mg/l	TM208		<0.0017 #	<0.0017 #
Styrene	<0.0012 mg/l	TM208		<0.0012 #	<0.0012 #
Bromoform	<0.003 mg/l	TM208		<0.003 #	<0.003 #
Isopropylbenzene	<0.0014 mg/l	TM208		<0.0014 #	<0.0014 #
1,1,2,2-Tetrachloroethane	<0.0052 mg/l	TM208		<0.0052	<0.0052
1,2,3-Trichloropropane	<0.0078 mg/l	TM208		<0.0078 #	<0.0078 #
Bromobenzene	<0.002 mg/l	TM208		<0.002 #	<0.002 #
Propylbenzene	<0.0026 mg/l	TM208		<0.0026 #	<0.0026 #
2-Chlorotoluene	<0.0019 mg/l	TM208		<0.0019 #	<0.0019 #
1,3,5-Trimethylbenzene	<0.0018 mg/l	TM208		<0.0018 #	<0.0018 #
4-Chlorotoluene	<0.0019 mg/l	TM208		<0.0019 #	<0.0019 #
tert-Butylbenzene	<0.002 mg/l	TM208		<0.002 #	<0.002 #
1,2,4-Trimethylbenzene	<0.0017 mg/l	TM208		<0.0017 #	<0.0017 #
sec-Butylbenzene	<0.0017 mg/l	TM208		<0.0017 #	<0.0017 #
4-iso-Propyltoluene	<0.0026 mg/l	TM208		<0.0026 #	<0.0026 #
1,3-Dichlorobenzene	<0.0022 mg/l	TM208		<0.0022 #	<0.0022 #
1,4-Dichlorobenzene	<0.0027 mg/l	TM208		<0.0027 #	<0.0027 #
n-Butylbenzene	<0.002 mg/l	TM208		<0.002 #	<0.002 #
1,2-Dichlorobenzene	<0.0037 mg/l	TM208		<0.0037	<0.0037
1,2-Dibromo-3-chloropropane	<0.0098 mg/l	TM208		<0.0098	<0.0098
1,2,4-Trichlorobenzene	<0.0023 mg/l	TM208		<0.0023 #	<0.0023 #
Hexachlorobutadiene	<0.0025 mg/l	TM208		<0.0025 #	<0.0025 #
tert-Amyl methyl ether (TAME)	<0.001 mg/l	TM208		<0.001 #	<0.001 #
Naphthalene	<0.0035 mg/l	TM208		<0.0035 #	<0.0035 #
1,2,3-Trichlorobenzene	<0.0031 mg/l	TM208		<0.0031 #	<0.0031 #
1,3,5-Trichlorobenzene	<0.01 mg/l	TM208		<0.01	<0.01

Validated

ALcontrol Laboratories Analytical Services

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			WSA 01		Water(GW/SW)	04/08/2010	07/08/2010	100809-24	1925590	
			WSA 03		Water(GW/SW)	04/08/2010	07/08/2010	100809-24	1925581	
			WSC 04		Water(GW/SW)	04/08/2010	07/08/2010	100809-24	1924763	
			WSC 08		Water(GW/SW)	04/08/2010	07/08/2010	100809-24	1925540	
			WSD 03		Water(GW/SW)	05/08/2010	07/08/2010	100809-24	1925192	
			WSD 07		Water(GW/SW)	05/08/2010	07/08/2010	100809-24	1925289	
Ammoniacal Nitrogen as NH4	<0.3 mg/l	TM099	1.12 #							
			0.41 #							
			0.365 #							
			1.56 #							
			3.16 #							
			0.386 #							
Arsenic (diss.filt)	<0.00012 mg/l	TM152	0.00187 #							
			0.000645 #							
			0.00355 #							
			0.00145 #							
			0.00136 #							
			0.00103 #							
Boron (diss.filt)	<0.0094 mg/l	TM152	1.79 #							
			1.14 #							
			0.301 #							
			0.606 #							
			1.11 #							
			0.355 #							
Cadmium (diss.filt)	<0.0001 mg/l	TM152	0.000126 #							
			<0.0001 #							
			<0.0001 #							
			0.00012 #							
			<0.0001 #							
			0.000176 #							
Chromium (diss.filt)	<0.00022 mg/l	TM152	0.00997 #							
			0.00826 #							
			0.00864 #							
			0.00751 #							
			0.013 #							
			0.0102 #							
Copper (diss.filt)	<0.00085 mg/l	TM152	0.00387 #							
			0.00567 #							
			0.00298 #							
			0.00609 #							
			0.00383 #							
			0.00407 #							
Lead (diss.filt)	<0.00002 mg/l	TM152	0.000052 #							
			0.000051 #							
			0.00009 #							
			0.000093 #							
			0.000044 #							
			0.000023 #							
Nickel (diss.filt)	<0.00015 mg/l	TM152	0.0401 #							
			<0.00015 #							
			<0.00015 #							
			<0.00015 #							
			0.0573 #							
			0.0584 #							
Selenium (diss.filt)	<0.00039 mg/l	TM152	0.00575 #							
			0.000907 #							
			0.013 #							
			0.00543 #							
			0.00345 #							
			0.00171 #							
Zinc (diss.filt)	<0.00041 mg/l	TM152	0.315 #							
			0.441 #							
			0.00217 #							
			0.00583 #							
			0.0117 #							
			0.0152 #							
EPH Range >C10 - C40 (aq)	<0.046 mg/l	TM172								
			0.242 #							
			<0.046 #							
EPH Band >C10-C12 (aq)	<0.01 mg/l	TM172								
			<0.01							
			<0.01							
EPH Band >C12-C16 (aq)	<0.01 mg/l	TM172								
			<0.01							
			<0.01							
EPH Band >C16-C21 (aq)	<0.01 mg/l	TM172								
			0.111							
			<0.01							
EPH Band >C21-C28 (aq)	<0.01 mg/l	TM172								
			0.0565							
			<0.01							
EPH Band >C35-C40 (aq)	<0.01 mg/l	TM172								
			0.011							
			<0.01							
EPH Band >C28-C35 (aq)	<0.01 mg/l	TM172								
			0.054							
			<0.01							
Mercury (diss.filt)	<0.00001 mg/l	TM183	<0.00001 #							
			<0.00001 #							
			<0.00001 #							
			<0.00001 #							
			<0.00001 #							
			<0.00001 #							
Sulphate	<3 mg/l	TM184	1580 #							
			1730 #							
			358 #							
			1410 #							
			1930 #							
			1490 #							
Chloride	<2 mg/l	TM184	138 #							
			62.7 #							
			79.5 #							
			213 #							
			65.1 #							
			27.7 #							
pH	<1 pH Units	TM256	7.84 #							
			7.94 #							
			7.85 #							
			7.52 #							
			6.74 #							
			7.57 #							

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

GRO by GC-FID (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSC 04	WSD 07
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	04/08/2010	05/08/2010
			Date Received	07/08/2010	07/08/2010
			SDG Ref	100809-24	100809-24
			Lab Sample No.(s)	1924763	1925289
			AGS Reference		
Benzene	<0.007 mg/l	TM245		<0.007 #	<0.007 #
Toluene	<0.004 mg/l	TM245		<0.004 #	<0.004 #
Ethylbenzene	<0.005 mg/l	TM245		<0.005 #	<0.005 #
m,p-Xylene	<0.008 mg/l	TM245		<0.008 #	<0.008 #
o-Xylene	<0.003 mg/l	TM245		<0.003 #	<0.003 #
m,p,o-Xylene	<0.01 mg/l	TM245		<0.01 #	<0.01 #
BTEX, Total	<0.01 mg/l	TM245		<0.01 #	<0.01 #
Methyl tertiary butyl ether (MTBE)	<0.003 mg/l	TM245		<0.003 #	<0.003 #
GRO >C5-C6	<0.01 mg/l	TM245		0.0524	<0.01
GRO >C6-C7	<0.01 mg/l	TM245		0.645	<0.01
GRO >C7-C8	<0.01 mg/l	TM245		0.142	<0.01
GRO >C8-C10	<0.01 mg/l	TM245		<0.01	<0.01
GRO >C5-C12	<0.05 mg/l	TM245		0.839 #	<0.05 #
GRO >C10-C12	<0.01 mg/l	TM245		<0.01	<0.01

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

PAH Spec MS - Aqueous (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSC 08	WSD 03
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	04/08/2010	05/08/2010
			Date Received	07/08/2010	07/08/2010
			SDG Ref	100809-24	100809-24
			Lab Sample No.(s)	1925540	1925192
			AGS Reference		
Naphthalene (aq)	<0.0001 mg/l	TM178		<0.0001 #	0.000103 #
Acenaphthene (aq)	<0.000015 mg/l	TM178		0.000022 #	<0.000015 #
Acenaphthylene (aq)	<0.000011 mg/l	TM178		<0.000011 #	<0.000011 #
Fluoranthene (aq)	<0.000014 mg/l	TM178		0.001 #	<0.000014 #
Anthracene (aq)	<0.000015 mg/l	TM178		0.000064 #	<0.000015 #
Phenanthrene (aq)	<0.000022 mg/l	TM178		0.000136 #	0.000033 #
Fluorene (aq)	<0.000014 mg/l	TM178		0.00002 #	<0.000014 #
Chrysene (aq)	<0.000013 mg/l	TM178		0.000329 #	<0.000013 #
Pyrene (aq)	<0.000015 mg/l	TM178		0.00149 #	<0.000015 #
Benzo(a)anthracene (aq)	<0.000017 mg/l	TM178		0.000422 #	0.000018 #
Benzo(b)fluoranthene (aq)	<0.000023 mg/l	TM178		0.000461 #	<0.000023 #
Benzo(k)fluoranthene (aq)	<0.000027 mg/l	TM178		0.000436 #	<0.000027 #
Benzo(a)pyrene (aq)	<0.000009 mg/l	TM178		0.000568 #	<0.000009 #
Dibenzo(a,h)anthracene (aq)	<0.000016 mg/l	TM178		0.000031 #	<0.000016 #
Benzo(g,h,i)perylene (aq)	<0.000016 mg/l	TM178		0.000359 #	<0.000016 #
Indeno(1,2,3-cd)pyrene (aq)	<0.000014 mg/l	TM178		0.000311 #	<0.000014 #
Polyaromatic hydrocarbons, Total USEPA 16 (aq)	<0.0001 mg/l	TM178		0.00566 #	0.000161 #
Naphthalene-d8	%	TM178		100	100
Acenaphthene-d10	%	TM178		100	100
Phenanthrene-d10	%	TM178		100	100
Chrysene-d12	%	TM178		100	100
Perylene-d12	%	TM178		100	100

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

SVOC MS (W) - Aqueous

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSC 08	WSD 03
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	04/08/2010	05/08/2010
			Date Received	07/08/2010	07/08/2010
			SDG Ref	100809-24	100809-24
			Lab Sample No.(s)	1925540	1925192
			AGS Reference		
1,2,4-Trichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
1,2-Dichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
1,3-Dichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
1,4-Dichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2,4,5-Trichlorophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2,4,6-Trichlorophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2,4-Dichlorophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2,4-Dimethylphenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2,4-Dinitrotoluene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2,6-Dinitrotoluene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2-Chloronaphthalene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2-Chlorophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2-Methylnaphthalene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2-Methylphenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2-Nitroaniline (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2-Nitrophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
3-Nitroaniline (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Bromophenylphenylether (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Chloro-3-methylphenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Chloroaniline (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Chlorophenylphenylether (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Methylphenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Nitrophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Nitroaniline (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Azobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
bis(2-Chloroethyl)ether (aq)	<0.001 mg/l	TM176		<0.001	<0.001
bis(2-Chloroethoxy)methane (aq)	<0.001 mg/l	TM176		<0.001	<0.001
bis(2-Ethylhexyl) phthalate (aq)	<0.002 mg/l	TM176		<0.002	<0.002
Butylbenzyl phthalate (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Carbazole (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Dibenzofuran (aq)	<0.001 mg/l	TM176		<0.001	<0.001
n-Dibutyl phthalate (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Diethyl phthalate (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Dimethyl phthalate (aq)	<0.001 mg/l	TM176		<0.001	<0.001
n-Dioctyl phthalate (aq)	<0.005 mg/l	TM176		<0.005	<0.005
Hexachlorobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Hexachlorobutadiene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Pentachlorophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Phenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001

ALcontrol Laboratories Analytical Services

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

SVOC MS (W) - Aqueous

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSC 08	WSD 03
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	04/08/2010	05/08/2010
			Date Received	07/08/2010	07/08/2010
			SDG Ref	100809-24	100809-24
			Lab Sample No.(s)	1925540	1925192
			AGS Reference		
n-Nitroso-n-dipropylamine (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Hexachloroethane (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Nitrobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Isophorone (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Hexachlorocyclopentadiene (aq)	<0.001 mg/l	TM176		<0.002	<0.002
Indeno(1,2,3-cd)pyrene (aq)	<0.001 mg/l	TM176		<0.001	<0.001

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

TPH CWG (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSC 08	WSD 03
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	04/08/2010	05/08/2010
			Date Received	07/08/2010	07/08/2010
			SDG Ref	100809-24	100809-24
			Lab Sample No.(s)	1925540	1925192
			AGS Reference		
Total Aliphatics >C5-C35 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Total Aromatics >C6-C35 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Total Aliphatics & Aromatics >C5-35 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Aliphatics >C12-C16 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Aromatics >EC12-EC16 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Aliphatics >C16-C21 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Aromatics >EC16-EC21 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Aliphatics >C21-C35 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Aromatics >EC21-EC35 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Total Aliphatics >C12-C35 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Total Aromatics >EC12-EC35 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Total Aliphatics & Aromatics >C12-C35 (Aqueous)	<0.01 mg/l	TM174		<0.01	<0.01
GRO Surrogate % recovery**	%	TM245		110	96
Benzene	<0.007 mg/l	TM245		<0.007 #	<0.007 #
Toluene	<0.004 mg/l	TM245		<0.004 #	<0.004 #
Ethylbenzene	<0.005 mg/l	TM245		<0.005 #	<0.005 #
m,p-Xylene	<0.008 mg/l	TM245		<0.008 #	<0.008 #
o-Xylene	<0.003 mg/l	TM245		<0.003 #	<0.003 #
m,p,o-Xylene	<0.01 mg/l	TM245		<0.01 #	<0.01 #
BTEX, Total	<0.01 mg/l	TM245		<0.01 #	<0.01 #
Methyl tertiary butyl ether (MTBE)	<0.003 mg/l	TM245		<0.003 #	<0.003 #
GRO >C5-C12	<0.05 mg/l	TM245		<0.05 #	<0.05 #
Aliphatics >C5-C6	<0.01 mg/l	TM245		<0.01	<0.01
Aliphatics >C6-C8	<0.01 mg/l	TM245		<0.01	<0.01
Aliphatics >C8-C10	<0.01 mg/l	TM245		<0.01	<0.01
Aliphatics >C10-C12	<0.01 mg/l	TM245		<0.01	<0.01
Total Aliphatics >C5-C12	<0.01 mg/l	TM245		<0.01	<0.01
Aromatics >C6-C7	<0.01 mg/l	TM245		<0.01	<0.01
Aromatics >C7-C8	<0.01 mg/l	TM245		<0.01	<0.01
Aromatics >EC8-EC10	<0.01 mg/l	TM245		<0.01	<0.01
Aromatics >EC10-EC12	<0.01 mg/l	TM245		<0.01	<0.01
Total Aromatics >C6-C12	<0.01 mg/l	TM245		<0.01	<0.01

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

VOC MS (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSC 08	WSD 03
Depth (m)		
Sample Type	Water(GW/SW)	Water(GW/SW)
Date Sampled	04/08/2010	05/08/2010
Date Received	07/08/2010	07/08/2010
SDG Ref	100809-24	100809-24
Lab Sample No.(s)	1925540	1925192
AGS Reference		

Component	LOD/Units	Method		
Dibromofluoromethane**	%	TM208	96.1	96
Toluene-d8**	%	TM208	96.8	96.3
4-Bromofluorobenzene**	%	TM208	96.3	95.8
Dichlorodifluoromethane	<0.007 mg/l	TM208	<0.007 #	<0.007 #
Chloromethane	<0.009 mg/l	TM208	<0.009 #	<0.009 #
Vinyl chloride	<0.0012 mg/l	TM208	<0.0012 #	<0.0012 #
Bromomethane	<0.002 mg/l	TM208	<0.002 #	<0.002 #
Chloroethane	<0.0025 mg/l	TM208	<0.0025 #	<0.0025 #
Trichlorofluoromethane	<0.0013 mg/l	TM208	<0.0013 #	<0.0013 #
1,1-Dichloroethene	<0.0012 mg/l	TM208	<0.0012 #	<0.0012 #
Carbon disulphide	<0.0013 mg/l	TM208	<0.0013 #	<0.0013 #
Dichloromethane	<0.0037 mg/l	TM208	<0.0037 #	<0.0037 #
Methyl tertiary butyl ether (MTBE)	<0.0016 mg/l	TM208	<0.0016 #	<0.0016 #
trans-1,2-Dichloroethene	<0.0019 mg/l	TM208	<0.0019 #	<0.0019 #
1,1-Dichloroethane	<0.0012 mg/l	TM208	<0.0012 #	<0.0012 #
cis-1,2-Dichloroethene	<0.0023 mg/l	TM208	<0.0023 #	<0.0023 #
2,2-Dichloropropane	<0.0038 mg/l	TM208	<0.0038 #	<0.0038 #
Bromochloromethane	<0.0019 mg/l	TM208	<0.0019 #	<0.0019 #
Chloroform	<0.0018 mg/l	TM208	<0.0018 #	<0.0018 #
1,1,1-Trichloroethane	<0.0013 mg/l	TM208	<0.0013 #	<0.0013 #
1,1-Dichloropropene	<0.0013 mg/l	TM208	<0.0013 #	<0.0013 #
Carbontetrachloride	<0.0014 mg/l	TM208	<0.0014 #	<0.0014 #
1,2-Dichloroethane	<0.0033 mg/l	TM208	<0.0033	<0.0033
Benzene	<0.0013 mg/l	TM208	<0.0013 #	<0.0013 #
Trichloroethene	<0.0025 mg/l	TM208	<0.0025 #	<0.0025 #
1,2-Dichloropropane	<0.003 mg/l	TM208	<0.003 #	<0.003 #
Dibromomethane	<0.0027 mg/l	TM208	<0.0027 #	<0.0027 #
Bromodichloromethane	<0.0009 mg/l	TM208	<0.0009 #	<0.0009 #
cis-1,3-Dichloropropene	<0.0019 mg/l	TM208	<0.0019 #	<0.0019 #
Toluene	<0.0014 mg/l	TM208	<0.0014 #	<0.0014 #
trans-1,3-Dichloropropene	<0.0035 mg/l	TM208	<0.0035 #	<0.0035 #
1,1,2-Trichloroethane	<0.0022 mg/l	TM208	<0.0022 #	<0.0022 #
1,3-Dichloropropane	<0.0022 mg/l	TM208	<0.0022 #	<0.0022 #
Tetrachloroethene	<0.0015 mg/l	TM208	<0.0015 #	<0.0015 #
Dibromochloromethane	<0.0017 mg/l	TM208	<0.0017 #	<0.0017 #
1,2-Dibromoethane	<0.0023 mg/l	TM208	<0.0023 #	<0.0023 #
Chlorobenzene	<0.0035 mg/l	TM208	<0.0035 #	<0.0035 #
1,1,1,2-Tetrachloroethane	<0.0013 mg/l	TM208	<0.0013 #	<0.0013 #
Ethylbenzene	<0.0025 mg/l	TM208	<0.0025 #	<0.0025 #

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

VOC MS (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	WSC 08	WSD 03
Depth (m)		
Sample Type	Water(GW/SW)	Water(GW/SW)
Date Sampled	04/08/2010	05/08/2010
Date Received	07/08/2010	07/08/2010
SDG Ref	100809-24	100809-24
Lab Sample No.(s)	1925540	1925192
AGS Reference		

Component	LOD/Units	Method		
m,p-Xylene	<0.0025 mg/l	TM208	<0.0025 #	<0.0025 #
o-Xylene	<0.0017 mg/l	TM208	<0.0017 #	<0.0017 #
Styrene	<0.0012 mg/l	TM208	<0.0012 #	<0.0012 #
Bromoform	<0.003 mg/l	TM208	<0.003 #	<0.003 #
Isopropylbenzene	<0.0014 mg/l	TM208	<0.0014 #	<0.0014 #
1,1,2,2-Tetrachloroethane	<0.0052 mg/l	TM208	<0.0052	<0.0052
1,2,3-Trichloropropane	<0.0078 mg/l	TM208	<0.0078 #	<0.0078 #
Bromobenzene	<0.002 mg/l	TM208	<0.002 #	<0.002 #
Propylbenzene	<0.0026 mg/l	TM208	<0.0026 #	<0.0026 #
2-Chlorotoluene	<0.0019 mg/l	TM208	<0.0019 #	<0.0019 #
1,3,5-Trimethylbenzene	<0.0018 mg/l	TM208	<0.0018 #	<0.0018 #
4-Chlorotoluene	<0.0019 mg/l	TM208	<0.0019 #	<0.0019 #
tert-Butylbenzene	<0.002 mg/l	TM208	<0.002 #	<0.002 #
1,2,4-Trimethylbenzene	<0.0017 mg/l	TM208	<0.0017 #	<0.0017 #
sec-Butylbenzene	<0.0017 mg/l	TM208	<0.0017 #	<0.0017 #
4-iso-Propyltoluene	<0.0026 mg/l	TM208	<0.0026 #	<0.0026 #
1,3-Dichlorobenzene	<0.0022 mg/l	TM208	<0.0022 #	<0.0022 #
1,4-Dichlorobenzene	<0.0027 mg/l	TM208	<0.0027 #	<0.0027 #
n-Butylbenzene	<0.002 mg/l	TM208	<0.002 #	<0.002 #
1,2-Dichlorobenzene	<0.0037 mg/l	TM208	<0.0037	<0.0037
1,2-Dibromo-3-chloropropane	<0.0098 mg/l	TM208	<0.0098	<0.0098
1,2,4-Trichlorobenzene	<0.0023 mg/l	TM208	<0.0023 #	<0.0023 #
Hexachlorobutadiene	<0.0025 mg/l	TM208	<0.0025 #	<0.0025 #
tert-Amyl methyl ether (TAME)	<0.001 mg/l	TM208	<0.001 #	<0.001 #
Naphthalene	<0.0035 mg/l	TM208	<0.0035 #	<0.0035 #
1,2,3-Trichlorobenzene	<0.0031 mg/l	TM208	<0.0031 #	<0.0031 #
1,3,5-Trichlorobenzene	<0.01 mg/l	TM208	<0.01	<0.01

Validated

ALcontrol Laboratories Analytical Services

SDG: 100809-24
Job: H_ENTEC_MOD-12
Client Reference: 26999
Location:

Customer: Entec UK - MOD Ltd
Attention: Simon Howard
Order No.: 228113
Report No: 93535

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref. / Depth (m) / Sample Type / Date Sampled / Date Received / SDG Ref / Lab Sample No.(s) / AGS Reference					
			WSD 09	WSD 10	WSE 10	WSE 17	WSE 25	WSE 26
			Water(GW/SW) 05/08/2010 07/08/2010 100809-24 1925384	Water(GW/SW) 05/08/2010 07/08/2010 100809-24 1925610	Water(GW/SW) 04/08/2010 07/08/2010 100809-24 1925633	Water(GW/SW) 04/08/2010 07/08/2010 100809-24 1924790	Water(GW/SW) 04/08/2010 07/08/2010 100809-24 1925602	Water(GW/SW) 04/08/2010 07/08/2010 100809-24 1925110
Ammoniacal Nitrogen as NH4	<0.3 mg/l	TM099	2.46 #	1.62 #	<0.3 #	1.95 #	2.15 #	0.867 #
Arsenic (diss.filt)	<0.00012 mg/l	TM152	0.00207 #	0.00279 #	0.000947 #	0.00377 #	0.000343 #	0.000495 #
Boron (diss.filt)	<0.0094 mg/l	TM152	0.444 #	1.06 #	0.444 #	0.255 #	3.6 #	2.51 #
Cadmium (diss.filt)	<0.0001 mg/l	TM152	<0.0001 #	<0.0001 #	<0.0001 #	0.000261 #	<0.0001 #	<0.0001 #
Chromium (diss.filt)	<0.00022 mg/l	TM152	0.0151 #	0.0135 #	0.00985 #	0.015 #	0.0127 #	0.0108 #
Copper (diss.filt)	<0.00085 mg/l	TM152	0.00364 #	0.00413 #	0.000907 #	0.00613 #	0.00438 #	0.00543 #
Lead (diss.filt)	<0.00002 mg/l	TM152	<0.00002 #	0.000121 #	0.000035 #	0.000109 #	0.000053 #	0.000051 #
Nickel (diss.filt)	<0.00015 mg/l	TM152	0.0556 #	0.0977 #	0.00528 #	0.0549 #	0.0224 #	0.00819 #
Selenium (diss.filt)	<0.00039 mg/l	TM152	0.00501 #	0.0113 #	0.00247 #	0.0063 #	0.00122 #	0.00105 #
Zinc (diss.filt)	<0.00041 mg/l	TM152	0.017 #	0.0144 #	0.004 #	0.0141 #	0.0328 #	0.00617 #
EPH Range >C10 - C40 (aq)	<0.046 mg/l	TM172	0.268 #		1.23 #			
EPH Band >C10-C12 (aq)	<0.01 mg/l	TM172	<0.01		<0.01			
EPH Band >C12-C16 (aq)	<0.01 mg/l	TM172	0.0514		0.0268			
EPH Band >C16-C21 (aq)	<0.01 mg/l	TM172	0.114		0.84			
EPH Band >C21-C28 (aq)	<0.01 mg/l	TM172	0.0522		0.247			
EPH Band >C35-C40 (aq)	<0.01 mg/l	TM172	0.0171		0.038			
EPH Band >C28-C35 (aq)	<0.01 mg/l	TM172	0.0252		0.0775			
Mercury (diss.filt)	<0.00001 mg/l	TM183	0.000016 #	<0.00001 #	<0.00001 #	<0.00001 #	<0.00001 #	<0.00001 #
Sulphate	<3 mg/l	TM184	1770 #	2150 #	91.8 #	1170 #	2400 #	2160 #
Chloride	<2 mg/l	TM184	28.7 #	118 #	67.5 #	119 #	64.9 #	62.2 #
pH	<1 pH Units	TM256	6.81 #	6.67 #	7.74 #	7.76 #	8.31 #	7.67 #

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

GRO by GC-FID (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSD 09	WSE 10
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	05/08/2010	04/08/2010
			Date Received	07/08/2010	07/08/2010
			SDG Ref	100809-24	100809-24
			Lab Sample No.(s)	1925384	1925633
			AGS Reference		
Benzene	<0.007 mg/l	TM245		<0.007 #	<0.007 #
Toluene	<0.004 mg/l	TM245		<0.004 #	<0.004 #
Ethylbenzene	<0.005 mg/l	TM245		<0.005 #	<0.005 #
m,p-Xylene	<0.008 mg/l	TM245		<0.008 #	<0.008 #
o-Xylene	<0.003 mg/l	TM245		<0.003 #	<0.003 #
m,p,o-Xylene	<0.01 mg/l	TM245		<0.01 #	<0.01 #
BTEX, Total	<0.01 mg/l	TM245		<0.01 #	<0.01 #
Methyl tertiary butyl ether (MTBE)	<0.003 mg/l	TM245		<0.003 #	<0.003 #
GRO >C5-C6	<0.01 mg/l	TM245		<0.01	<0.01
GRO >C6-C7	<0.01 mg/l	TM245		<0.01	<0.01
GRO >C7-C8	<0.01 mg/l	TM245		<0.01	<0.01
GRO >C8-C10	<0.01 mg/l	TM245		<0.01	<0.01
GRO >C5-C12	<0.05 mg/l	TM245		<0.05 #	<0.05 #
GRO >C10-C12	<0.01 mg/l	TM245		<0.01	<0.01

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

PAH Spec MS - Aqueous (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSE 17	WSE 26
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	04/08/2010	04/08/2010
			Date Received	07/08/2010	07/08/2010
			SDG Ref	100809-24	100809-24
			Lab Sample No.(s)	1924790	1925110
			AGS Reference		
Naphthalene (aq)	<0.0001 mg/l	TM178		<0.0001 #	<0.0001 #
Acenaphthene (aq)	<0.000015 mg/l	TM178		<0.000015 #	<0.000015 #
Acenaphthylene (aq)	<0.000011 mg/l	TM178		<0.000011 #	<0.000011 #
Fluoranthene (aq)	<0.000014 mg/l	TM178		0.000045 #	0.000068 #
Anthracene (aq)	<0.000015 mg/l	TM178		<0.000015 #	<0.000015 #
Phenanthrene (aq)	<0.000022 mg/l	TM178		<0.000022 #	0.000036 #
Fluorene (aq)	<0.000014 mg/l	TM178		<0.000014 #	<0.000014 #
Chrysene (aq)	<0.000013 mg/l	TM178		0.00004 #	0.000075 #
Pyrene (aq)	<0.000015 mg/l	TM178		0.000047 #	0.000079 #
Benzo(a)anthracene (aq)	<0.000017 mg/l	TM178		0.000033 #	0.000043 #
Benzo(b)fluoranthene (aq)	<0.000023 mg/l	TM178		0.000049 #	0.000069 #
Benzo(k)fluoranthene (aq)	<0.000027 mg/l	TM178		0.000032 #	0.000058 #
Benzo(a)pyrene (aq)	<0.000009 mg/l	TM178		0.000065 #	0.00008 #
Dibenzo(a,h)anthracene (aq)	<0.000016 mg/l	TM178		<0.000016 #	<0.000016 #
Benzo(g,h,i)perylene (aq)	<0.000016 mg/l	TM178		0.000059 #	0.00007 #
Indeno(1,2,3-cd)pyrene (aq)	<0.000014 mg/l	TM178		0.000037 #	0.000049 #
Polyaromatic hydrocarbons, Total USEPA 16 (aq)	<0.0001 mg/l	TM178		0.000381 #	0.000577 #
Naphthalene-d8	%	TM178		100	100
Acenaphthene-d10	%	TM178		100	100
Phenanthrene-d10	%	TM178		100	100
Chrysene-d12	%	TM178		100	100
Perylene-d12	%	TM178		100	100

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

SVOC MS (W) - Aqueous

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			WSE 17		Water(GW/SW)	04/08/2010	07/08/2010	100809-24	1924790	
			WSE 26		Water(GW/SW)	04/08/2010	07/08/2010	100809-24	1925110	
1,2,4-Trichlorobenzene (aq)	<0.001 mg/l	TM176	<0.001							
1,2-Dichlorobenzene (aq)	<0.001 mg/l	TM176	<0.001							
1,3-Dichlorobenzene (aq)	<0.001 mg/l	TM176	<0.001							
1,4-Dichlorobenzene (aq)	<0.001 mg/l	TM176	<0.001							
2,4,5-Trichlorophenol (aq)	<0.001 mg/l	TM176	<0.001							
2,4,6-Trichlorophenol (aq)	<0.001 mg/l	TM176	<0.001							
2,4-Dichlorophenol (aq)	<0.001 mg/l	TM176	<0.001							
2,4-Dimethylphenol (aq)	<0.001 mg/l	TM176	<0.001							
2,4-Dinitrotoluene (aq)	<0.001 mg/l	TM176	<0.001							
2,6-Dinitrotoluene (aq)	<0.001 mg/l	TM176	<0.001							
2-Chloronaphthalene (aq)	<0.001 mg/l	TM176	<0.001							
2-Chlorophenol (aq)	<0.001 mg/l	TM176	<0.001							
2-Methylnaphthalene (aq)	<0.001 mg/l	TM176	<0.001							
2-Methylphenol (aq)	<0.001 mg/l	TM176	<0.001							
2-Nitroaniline (aq)	<0.001 mg/l	TM176	<0.001							
2-Nitrophenol (aq)	<0.001 mg/l	TM176	<0.001							
3-Nitroaniline (aq)	<0.001 mg/l	TM176	<0.001							
4-Bromophenylphenylether (aq)	<0.001 mg/l	TM176	<0.001							
4-Chloro-3-methylphenol (aq)	<0.001 mg/l	TM176	<0.001							
4-Chloroaniline (aq)	<0.001 mg/l	TM176	<0.001							
4-Chlorophenylphenylether (aq)	<0.001 mg/l	TM176	<0.001							
4-Methylphenol (aq)	<0.001 mg/l	TM176	<0.001							
4-Nitrophenol (aq)	<0.001 mg/l	TM176	<0.001							
4-Nitroaniline (aq)	<0.001 mg/l	TM176	<0.001							
Azobenzene (aq)	<0.001 mg/l	TM176	<0.001							
bis(2-Chloroethyl)ether (aq)	<0.001 mg/l	TM176	<0.001							
bis(2-Chloroethoxy)methane (aq)	<0.001 mg/l	TM176	<0.001							
bis(2-Ethylhexyl) phthalate (aq)	<0.002 mg/l	TM176	<0.002							
Butylbenzyl phthalate (aq)	<0.001 mg/l	TM176	<0.001							
Carbazole (aq)	<0.001 mg/l	TM176	<0.001							
Dibenzofuran (aq)	<0.001 mg/l	TM176	<0.001							
n-Dibutyl phthalate (aq)	<0.001 mg/l	TM176	<0.001							
Diethyl phthalate (aq)	<0.001 mg/l	TM176	<0.001							
Dimethyl phthalate (aq)	<0.001 mg/l	TM176	<0.001							
n-Dioctyl phthalate (aq)	<0.005 mg/l	TM176	<0.005							
Hexachlorobenzene (aq)	<0.001 mg/l	TM176	<0.001							
Hexachlorobutadiene (aq)	<0.001 mg/l	TM176	<0.001							
Pentachlorophenol (aq)	<0.001 mg/l	TM176	<0.001							
Phenol (aq)	<0.001 mg/l	TM176	<0.001							

ALcontrol Laboratories Analytical Services

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

SVOC MS (W) - Aqueous

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSE 17	WSE 26
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	04/08/2010	04/08/2010
			Date Received	07/08/2010	07/08/2010
			SDG Ref	100809-24	100809-24
			Lab Sample No.(s)	1924790	1925110
			AGS Reference		
n-Nitroso-n-dipropylamine (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Hexachloroethane (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Nitrobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Isophorone (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Hexachlorocyclopentadiene (aq)	<0.001 mg/l	TM176		<0.002	<0.002
Indeno(1,2,3-cd)pyrene (aq)	<0.001 mg/l	TM176		<0.001	<0.001

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

TPH CWG (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSE 17	WSE 26
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	04/08/2010	04/08/2010
			Date Received	07/08/2010	07/08/2010
			SDG Ref	100809-24	100809-24
			Lab Sample No.(s)	1924790	1925110
			AGS Reference		
Total Aliphatics >C5-C35 (aq)	<0.01 mg/l	TM174		0.021	0.071
Total Aromatics >C6-C35 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Total Aliphatics & Aromatics >C5-35 (aq)	<0.01 mg/l	TM174		0.021	0.071
Aliphatics >C12-C16 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Aromatics >EC12-EC16 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Aliphatics >C16-C21 (aq)	<0.01 mg/l	TM174		0.021	0.059
Aromatics >EC16-EC21 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Aliphatics >C21-C35 (aq)	<0.01 mg/l	TM174		<0.01	0.012
Aromatics >EC21-EC35 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Total Aliphatics >C12-C35 (aq)	<0.01 mg/l	TM174		0.021	0.071
Total Aromatics >EC12-EC35 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Total Aliphatics & Aromatics >C12-C35 (Aqueous)	<0.01 mg/l	TM174		0.021	0.071
GRO Surrogate % recovery**	%	TM245		98	98
Benzene	<0.007 mg/l	TM245		<0.007 #	<0.007 #
Toluene	<0.004 mg/l	TM245		<0.004 #	<0.004 #
Ethylbenzene	<0.005 mg/l	TM245		<0.005 #	<0.005 #
m,p-Xylene	<0.008 mg/l	TM245		<0.008 #	<0.008 #
o-Xylene	<0.003 mg/l	TM245		<0.003 #	<0.003 #
m,p,o-Xylene	<0.01 mg/l	TM245		<0.01 #	<0.01 #
BTEX, Total	<0.01 mg/l	TM245		<0.01 #	<0.01 #
Methyl tertiary butyl ether (MTBE)	<0.003 mg/l	TM245		<0.003 #	<0.003 #
GRO >C5-C12	<0.05 mg/l	TM245		<0.05 #	<0.05 #
Aliphatics >C5-C6	<0.01 mg/l	TM245		<0.01	<0.01
Aliphatics >C6-C8	<0.01 mg/l	TM245		<0.01	<0.01
Aliphatics >C8-C10	<0.01 mg/l	TM245		<0.01	<0.01
Aliphatics >C10-C12	<0.01 mg/l	TM245		<0.01	<0.01
Total Aliphatics >C5-C12	<0.01 mg/l	TM245		<0.01	<0.01
Aromatics >C6-C7	<0.01 mg/l	TM245		<0.01	<0.01
Aromatics >C7-C8	<0.01 mg/l	TM245		<0.01	<0.01
Aromatics >EC8-EC10	<0.01 mg/l	TM245		<0.01	<0.01
Aromatics >EC10-EC12	<0.01 mg/l	TM245		<0.01	<0.01
Total Aromatics >C6-C12	<0.01 mg/l	TM245		<0.01	<0.01

ALcontrol Laboratories Analytical Services

SDG:	100809-24	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	93535

VOC MS (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSE 17	WSE 26
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	04/08/2010	04/08/2010
			Date Received	07/08/2010	07/08/2010
			SDG Ref	100809-24	100809-24
			Lab Sample No.(s)	1924790	1925110
			AGS Reference		
Dibromofluoromethane**	%	TM208		95.4	95.6
Toluene-d8**	%	TM208		97	97.1
4-Bromofluorobenzene**	%	TM208		95.6	95.9
Dichlorodifluoromethane	<0.007 mg/l	TM208		<0.007 #	<0.007 #
Chloromethane	<0.009 mg/l	TM208		<0.009 #	<0.009 #
Vinyl chloride	<0.0012 mg/l	TM208		<0.0012 #	<0.0012 #
Bromomethane	<0.002 mg/l	TM208		<0.002 #	<0.002 #
Chloroethane	<0.0025 mg/l	TM208		<0.0025 #	<0.0025 #
Trichlorofluoromethane	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #
1,1-Dichloroethene	<0.0012 mg/l	TM208		<0.0012 #	<0.0012 #
Carbon disulphide	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #
Dichloromethane	<0.0037 mg/l	TM208		<0.0037 #	<0.0037 #
Methyl tertiary butyl ether (MTBE)	<0.0016 mg/l	TM208		<0.0016 #	<0.0016 #
trans-1,2-Dichloroethene	<0.0019 mg/l	TM208		<0.0019 #	<0.0019 #
1,1-Dichloroethane	<0.0012 mg/l	TM208		<0.0012 #	<0.0012 #
cis-1,2-Dichloroethene	<0.0023 mg/l	TM208		<0.0023 #	<0.0023 #
2,2-Dichloropropane	<0.0038 mg/l	TM208		<0.0038 #	<0.0038 #
Bromochloromethane	<0.0019 mg/l	TM208		<0.0019 #	<0.0019 #
Chloroform	<0.0018 mg/l	TM208		<0.0018 #	<0.0018 #
1,1,1-Trichloroethane	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #
1,1-Dichloropropene	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #
Carbontetrachloride	<0.0014 mg/l	TM208		<0.0014 #	<0.0014 #
1,2-Dichloroethane	<0.0033 mg/l	TM208		<0.0033	<0.0033
Benzene	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #
Trichloroethene	<0.0025 mg/l	TM208		<0.0025 #	<0.0025 #
1,2-Dichloropropane	<0.003 mg/l	TM208		<0.003 #	<0.003 #
Dibromomethane	<0.0027 mg/l	TM208		<0.0027 #	<0.0027 #
Bromodichloromethane	<0.0009 mg/l	TM208		<0.0009 #	<0.0009 #
cis-1,3-Dichloropropene	<0.0019 mg/l	TM208		<0.0019 #	<0.0019 #
Toluene	<0.0014 mg/l	TM208		<0.0014 #	<0.0014 #
trans-1,3-Dichloropropene	<0.0035 mg/l	TM208		<0.0035 #	<0.0035 #
1,1,2-Trichloroethane	<0.0022 mg/l	TM208		<0.0022 #	<0.0022 #
1,3-Dichloropropane	<0.0022 mg/l	TM208		<0.0022 #	<0.0022 #
Tetrachloroethene	<0.0015 mg/l	TM208		<0.0015 #	<0.0015 #
Dibromochloromethane	<0.0017 mg/l	TM208		<0.0017 #	<0.0017 #
1,2-Dibromoethane	<0.0023 mg/l	TM208		<0.0023 #	<0.0023 #
Chlorobenzene	<0.0035 mg/l	TM208		<0.0035 #	<0.0035 #
1,1,1,2-Tetrachloroethane	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #
Ethylbenzene	<0.0025 mg/l	TM208		<0.0025 #	<0.0025 #

SDG: 100809-24
Job: H_ENTEC_MOD-12
Client Reference: 26999
Location:

Customer: Entec UK - MOD Ltd
Attention: Simon Howard
Order No.: 228113
Report No: 93535

VOC MS (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSE 17	WSE 26
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	04/08/2010	04/08/2010
			Date Received	07/08/2010	07/08/2010
			SDG Ref	100809-24	100809-24
			Lab Sample No.(s)	1924790	1925110
			AGS Reference		
m,p-Xylene	<0.0025 mg/l	TM208		<0.0025 #	<0.0025 #
o-Xylene	<0.0017 mg/l	TM208		<0.0017 #	<0.0017 #
Styrene	<0.0012 mg/l	TM208		<0.0012 #	<0.0012 #
Bromoform	<0.003 mg/l	TM208		<0.003 #	<0.003 #
Isopropylbenzene	<0.0014 mg/l	TM208		<0.0014 #	<0.0014 #
1,1,2,2-Tetrachloroethane	<0.0052 mg/l	TM208		<0.0052	<0.0052
1,2,3-Trichloropropane	<0.0078 mg/l	TM208		<0.0078 #	<0.0078 #
Bromobenzene	<0.002 mg/l	TM208		<0.002 #	<0.002 #
Propylbenzene	<0.0026 mg/l	TM208		<0.0026 #	<0.0026 #
2-Chlorotoluene	<0.0019 mg/l	TM208		<0.0019 #	<0.0019 #
1,3,5-Trimethylbenzene	<0.0018 mg/l	TM208		<0.0018 #	<0.0018 #
4-Chlorotoluene	<0.0019 mg/l	TM208		<0.0019 #	<0.0019 #
tert-Butylbenzene	<0.002 mg/l	TM208		<0.002 #	<0.002 #
1,2,4-Trimethylbenzene	<0.0017 mg/l	TM208		<0.0017 #	<0.0017 #
sec-Butylbenzene	<0.0017 mg/l	TM208		<0.0017 #	<0.0017 #
4-iso-Propyltoluene	<0.0026 mg/l	TM208		<0.0026 #	<0.0026 #
1,3-Dichlorobenzene	<0.0022 mg/l	TM208		<0.0022 #	<0.0022 #
1,4-Dichlorobenzene	<0.0027 mg/l	TM208		<0.0027 #	<0.0027 #
n-Butylbenzene	<0.002 mg/l	TM208		<0.002 #	<0.002 #
1,2-Dichlorobenzene	<0.0037 mg/l	TM208		<0.0037	<0.0037
1,2-Dibromo-3-chloropropane	<0.0098 mg/l	TM208		<0.0098	<0.0098
1,2,4-Trichlorobenzene	<0.0023 mg/l	TM208		<0.0023 #	<0.0023 #
Hexachlorobutadiene	<0.0025 mg/l	TM208		<0.0025 #	<0.0025 #
tert-Amyl methyl ether (TAME)	<0.001 mg/l	TM208		<0.001 #	<0.001 #
Naphthalene	<0.0035 mg/l	TM208		<0.0035 #	<0.0035 #
1,2,3-Trichlorobenzene	<0.0031 mg/l	TM208		<0.0031 #	<0.0031 #
1,3,5-Trichlorobenzene	<0.01 mg/l	TM208		<0.01	<0.01

Table of Results - Appendix

SDG Number : 100809-24 **Client :** Entec UK - MOD Ltd **Client Ref :** 26999

REPORT KEY

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03x10-7

NDP	No Determination Possible	#	ISO 17025 Accredited	*	Subcontracted Test	M	MCERTS Accredited
NFD	No Fibres Detected	PFD	Possible Fibres Detected	»	Result previously reported (Incremental reports only)	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control

Method No	Reference	Description	Wet/Dry Sample [1]
TM061	Method for the Determination of EPH,Massachusetts Dept.of EP, 1998	Determination of Extractable Petroleum Hydrocarbons by GC-FID (C10-C40)	
TM099	BS 2690: Part 7:1968 / BS 6068: Part2.11:1984	Determination of Ammonium in Water Samples using the Kone Analyser	
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS	
TM172	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	EPH in Waters	
TM174	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Waters by GC-FID	
TM176	EPA 8270D Semi-Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	Determination of SVOCs in Water by GCMS	
TM178	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS in Waters	
TM183	BS EN 23506:2002, (BS 6068-2.74:2002) ISBN 0 580 38924 3	Determination of Trace Level Mercury in Waters and Leachates by PSA Cold Vapour Atomic Fluorescence Spectrometry	
TM184	EPA Methods 325.1 & 325.2,	The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	
TM208	Modified: US EPA Method 8260b & 624	Determination of Volatile Organic Compounds by Headspace / GC-MS in Waters	
TM245	By GC-FID	Determination of GRO by Headspace in waters	
TM256	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4.	Determination of pH in Water and Leachate using the GLpH pH Meter	

[1] Applies to Solid samples only. DRY indicates samples have been dried at 35°C. NA = not applicable.

APPENDIX

APPENDIX

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA Leach tests, flash point, ammonium as NH_4 by the BRE method, VOC TICS, SVOC TICS, TOF-MS SCAN/SEARCH and TOF-MS TICS.
2. Samples will be run in duplicate upon request, but an additional charge may be incurred.
3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for both soil jars, tubs and volatile jars. All waters and vials will be discarded 10 days after the analysis is completed (e-mailed). All material removed during an asbestos containing material screen and analysed for the presence of asbestos will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.
4. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.
5. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.
6. When requested, the individual sub sample scheduled will be screened in house for the presence of large asbestos containing material fragments/pieces. If no asbestos containing material is found this will be reported as 'no asbestos containing material detected'. If asbestos containing material is detected it will be removed and analysed by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If asbestos containing material is present no further analysis will be undertaken. At no point is the fibre content of the soil sample determined.
7. If no separate volatile sample is supplied by the client, the integrity of the data may be compromised if the laboratory is required to create a sub-sample from the bulk sample – similarly, if a headspace or sediment is present in the volatile sample. This will be flagged up as an invalid VOC on the test schedule or recorded on the log sheet.
8. If appropriate preserved bottles are not received preservation will take place on receipt. However, the integrity of the data may be compromised.
9. NDP – No determination possible due to insufficient/unsuitable sample.
10. Metals in water are performed on a filtered sample, and therefore represent dissolved metals – total metals must be requested separately.
11. A table containing the date of analysis for each parameter is not routinely included with the report, but is available upon request.
12. Results relate only to the items tested
13. **Surrogate recoveries** – Most of our organic methods include surrogates, the recovery of which is monitored and reported. For EPH, MO, PAH, GRO and VOCs on soils the result is not surrogate corrected, but a percentage recovery is quoted. Acceptable limits for most organic methods are 70 – 130 %.
14. **Product analyses** – Organic analyses on products can only be semi-quantitative due to the matrix effects and high dilution factors employed.
15. Phenols monohydric by HPLC include phenol, cresols (2-Methylphenol, 3-Methylphenol and 4-Methylphenol) and Xylenols (2,3 Dimethylphenol, 2,4 Dimethylphenol, 2,5 Dimethylphenol, 2,6 Dimethylphenol, 3,4 Dimethyphenol, 3,5 Dimethylphenol).
16. Total of 5 speciated phenols by HPLC includes Phenol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 14).
17. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.
18. Our MCERTS accreditation for PAHs by GCMS applies to all product types apart from Kerosene, where naphthalene only is not accredited.
19. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.
19. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.
20. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.
21. For all leachate preparations (NRA, DIN, TCLP, BSEN 12457-1, 2, 3) volatile loss may occur, as we do not employ zero headspace extraction.
22. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials – whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.
23. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C4 – C10 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

Last updated 1 April 2010

LIQUID MATRICES EXTRACTION SUMMARY

ANALYSIS	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
PAH MS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
EPH	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
EPH CWG	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
MINERAL OIL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
PCB 7 CONGENERS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
PCB TOTAL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GS MS
SVOC	DCM	LIQUID/LIQUID SHAKE	GC MS
FREE SULPHUR	DCM	SOLID PHASE EXTRACTION	HPLC
PEST OCP/OPP	DCM	LIQUID/LIQUID SHAKE	GC MS
TRIAZINE HERBS	DCM	LIQUID/LIQUID SHAKE	GC MS
PHENOLS MS	DCM	SOLID PHASE EXTRACTION	GC MS
TPH by INFRA RED (IR)	TCE	LIQUID/LIQUID EXTRACTION	HPLC
MINERAL OIL by IR	TCE	LIQUID/LIQUID EXTRACTION	HPLC
GLYCOLS	NONE	DIRECT INJECTION	GC FID

SOLID MATRICES EXTRACTION SUMMARY

ANALYSIS	D/C OR WET	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
Solvent Extractable Matter	D&C	DCM	SOXTHERM	GRAVIMETRIC
Cyclohexane Ext. Matter	D&C	CYCLOHEXANE	SOXTHERM	GRAVIMETRIC
Thin Layer Chromatography	D&C	DCM	SOXTHERM	IATROSCAN
Elemental Sulphur	D&C	DCM	SOXTHERM	HPLC
Phenols by GCMS	WET	DCM	SOXTHERM	GC-MS
Herbicides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
Pesticides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
EPH (DRO)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Min oil)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Cleaned up)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH CWG by GC	D&C	HEXANE:ACETONE	END OVER END	GC-FID
PCB tot / PCB con	D&C	HEXANE:ACETONE	END OVER END	GC-MS
Polyaromatic Hydrocarbons (MS)	WET	HEXANE:ACETONE	Microwave TM218.	GC-MS
C8-C40 (C6-C40)EZ Flash	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Polyaromatic Hydrocarbons Rapid GC	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Semi Volatile Organic Compounds	WET	DCM:ACETONE	SONICATE	GC-MS

Identification of Asbestos in Bulk Materials

The results for asbestos identification for soil samples are obtained from possible Asbestos Containing Material, removed during the 'Screening of soils for Asbestos Containing Materials', which have been examined to determine the presence of asbestos fibres using Alcontrol Laboratories (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Visual Estimation Of Fibre Content.

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: -

Trace – Where only one or two asbestos fibres were identified.

Further guidance on typical asbestos fibre content of manufactured products can be found in MDHS 100.

The identification of asbestos containing materials falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

ALcontrol Laboratories

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email: mkt@alcontrol.com
Website: www.alcontrol.com

Attention: Simon Howard

CERTIFICATE OF ANALYSIS

Date:	21 August 2010		
Customer:	H_ENTEC_MOD-12		
Sample Delivery Group (SDG):	100815-12	**Report No.:**	94296
Your Reference:	26999		
Location:			

We received 2 samples on Saturday August 14, 2010 and 2 of these samples were scheduled for analysis which was completed on Saturday August 21, 2010. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

All chemical testing (unless subcontracted) is performed at ALcontrol Hawarden Laboratories.

Asbestos testing - we are not accredited for screening soil samples for asbestos fibres. We are only accredited to identify asbestos fibres in bulk material (ACM).

Approved By:

Iain Swinton

Operations Director - Land UK & Ireland

UKAS TESTING 1291

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Validated

ALcontrol Laboratories Analytical Services

SDG:	100815-12	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94296

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
1953190	BHE02			13/08/2010
1953188	WSE24			13/08/2010

Only received samples which have had analysis scheduled will be shown on the following pages.

Validated

ALcontrol Laboratories Analytical Services

SDG:	100815-12	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94296

LIQUID

Results Legend

X Test

N No Determination Possible

		Lab Sample No(s)	1953188				1953190				Total
		Customer Sample Ref.	WSE24				BHE02				
		AGS Ref.									
		Depth (m)									
		Container	1l green glass bottle	500ml Plastic	H2SO4	Vial	1l green glass bottle	500ml Plastic	H2SO4	Vial	
Ammonium	All				X				X		0 2
Anions by Kone (w)	All			X				X			0 2
Conductivity (at 20 deg.C)	All			X				X			0 2
Dissolved Metals by ICP-MS	All			X				X			0 2
EPH CWG (Aliphatic) Aqueous GC (W)	All		X				X				0 2
EPH CWG (Aromatic) Aqueous GC (W)	All		X				X				0 2
GRO by GC-FID (W)	All					X				X	0 2
Mercury Dissolved	All		X				X				0 2
PAH Spec MS - Aqueous (W)	All						X				0 1
pH Value	All			X				X			0 2
SVOC MS (W) - Aqueous	All						X				0 1
TPH CWG (W)	All		X				X				0 2
VOC MS (W)	All									X	0 1

Validated

ALcontrol Laboratories Analytical Services

SDG:	100815-12	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94296

Test Completion dates

SDG reference: 100815-12

Lab Sample No(s)	1953188	1953190
Customer Sample Ref.	WSE24	BHE02
Depth		
Type	LIQUID	LIQUID
Ammonium	16/08/2010	16/08/2010
Anions by Kone (w)	17/08/2010	17/08/2010
Conductivity (at 20 deg.C)	17/08/2010	17/08/2010
Dissolved Metals by ICP-MS	18/08/2010	18/08/2010
EPH CWG (Aliphatic) Aqueous GC	19/08/2010	18/08/2010
EPH CWG (Aromatic) Aqueous GC	19/08/2010	18/08/2010
GRO by GC-FID (W)	21/08/2010	20/08/2010
Mercury Dissolved	17/08/2010	17/08/2010
PAH Spec MS - Aqueous (W)		17/08/2010
pH Value	16/08/2010	16/08/2010
SVOC MS (W) - Aqueous		18/08/2010
TPH CWG (W)	21/08/2010	20/08/2010
VOC MS (W)		19/08/2010

Validated

ALcontrol Laboratories Analytical Services

SDG:	100815-12	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94296

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	BHE02	WSE24
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	13/08/2010	13/08/2010
			Date Received	14/08/2010	14/08/2010
			SDG Ref	100815-12	100815-12
			Lab Sample No.(s)	1953190	1953188
			AGS Reference		
Ammoniacal Nitrogen as NH4	<0.3 mg/l	TM099		1.77 #	1.31 #
Conductivity @ 20 deg.C	<0.014 mS/cm	TM120		2.02 #	3 #
Arsenic (diss.filt)	<0.00012 mg/l	TM152		0.00157 #	0.000953 #
Boron (diss.filt)	<0.0094 mg/l	TM152		0.504 #	1.22 #
Cadmium (diss.filt)	<0.0001 mg/l	TM152		<0.0001 #	<0.0001 #
Chromium (diss.filt)	<0.00022 mg/l	TM152		0.0165 #	0.0124 #
Copper (diss.filt)	<0.00085 mg/l	TM152		0.0062 #	0.00732 #
Lead (diss.filt)	<0.00002 mg/l	TM152		0.000038 #	0.00006 #
Nickel (diss.filt)	<0.00015 mg/l	TM152		0.04 #	0.0266 #
Selenium (diss.filt)	<0.00039 mg/l	TM152		0.00269 #	0.000823 #
Zinc (diss.filt)	<0.00041 mg/l	TM152		0.01 #	0.00961 #
Mercury (diss.filt)	<0.00001 mg/l	TM183		<0.00001 #	<0.00001 #
Sulphate	<3 mg/l	TM184		924 #	1710 #
Chloride	<2 mg/l	TM184		48.2 #	53.9 #
pH	<1 pH Units	TM256		7.22 #	7.37 #

Validated

ALcontrol Laboratories Analytical Services

SDG:	100815-12	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94296

PAH Spec MS - Aqueous (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	BHE02
			Depth (m)	
			Sample Type	Water(GW/SW)
			Date Sampled	13/08/2010
			Date Received	14/08/2010
			SDG Ref	100815-12
			Lab Sample No.(s)	1953190
			AGS Reference	
Naphthalene (aq)	<0.0001 mg/l	TM178		0.000134 #
Acenaphthene (aq)	<0.000015 mg/l	TM178		0.000937 #
Acenaphthylene (aq)	<0.000011 mg/l	TM178		0.00288 #
Fluoranthene (aq)	<0.000014 mg/l	TM178		0.0119 #
Anthracene (aq)	<0.000015 mg/l	TM178		0.00152 #
Phenanthrene (aq)	<0.000022 mg/l	TM178		0.00464 #
Fluorene (aq)	<0.000014 mg/l	TM178		0.00269 #
Chrysene (aq)	<0.000013 mg/l	TM178		0.00657 #
Pyrene (aq)	<0.000015 mg/l	TM178		0.00965 #
Benzo(a)anthracene (aq)	<0.000017 mg/l	TM178		0.00675 #
Benzo(b)fluoranthene (aq)	<0.000023 mg/l	TM178		0.0112 #
Benzo(k)fluoranthene (aq)	<0.000027 mg/l	TM178		0.0113 #
Benzo(a)pyrene (aq)	<0.000009 mg/l	TM178		0.0141 #
Dibenzo(a,h)anthracene (aq)	<0.000016 mg/l	TM178		0.00276 #
Benzo(g,h,i)perylene (aq)	<0.000016 mg/l	TM178		0.00803 #
Indeno(1,2,3-cd)pyrene (aq)	<0.000014 mg/l	TM178		0.008 #
Polyaromatic hydrocarbons, Total USEPA 16 (aq)	<0.0001 mg/l	TM178		0.103 #
Naphthalene-d8	%	TM178		100
Acenaphthene-d10	%	TM178		100
Phenanthrene-d10	%	TM178		100
Chrysene-d12	%	TM178		100
Perylene-d12	%	TM178		100

SDG:	100815-12	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94296

SVOC MS (W) - Aqueous

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	BHE02
			Depth (m)	
			Sample Type	Water(GW/SW)
			Date Sampled	13/08/2010
			Date Received	14/08/2010
			SDG Ref	100815-12
			Lab Sample No.(s)	1953190
			AGS Reference	
1,2,4-Trichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001
1,2-Dichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001
1,3-Dichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001
1,4-Dichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001
2,4,5-Trichlorophenol (aq)	<0.001 mg/l	TM176		<0.001
2,4,6-Trichlorophenol (aq)	<0.001 mg/l	TM176		<0.001
2,4-Dichlorophenol (aq)	<0.001 mg/l	TM176		<0.001
2,4-Dimethylphenol (aq)	<0.001 mg/l	TM176		<0.001
2,4-Dinitrotoluene (aq)	<0.001 mg/l	TM176		<0.001
2,6-Dinitrotoluene (aq)	<0.001 mg/l	TM176		<0.001
2-Chloronaphthalene (aq)	<0.001 mg/l	TM176		<0.001
2-Chlorophenol (aq)	<0.001 mg/l	TM176		<0.001
2-Methylnaphthalene (aq)	<0.001 mg/l	TM176		<0.001
2-Methylphenol (aq)	<0.001 mg/l	TM176		<0.001
2-Nitroaniline (aq)	<0.001 mg/l	TM176		<0.001
2-Nitrophenol (aq)	<0.001 mg/l	TM176		<0.001
3-Nitroaniline (aq)	<0.001 mg/l	TM176		<0.001
4-Bromophenylphenylether (aq)	<0.001 mg/l	TM176		<0.001
4-Chloro-3-methylphenol (aq)	<0.001 mg/l	TM176		<0.001
4-Chloroaniline (aq)	<0.001 mg/l	TM176		<0.001
4-Chlorophenylphenylether (aq)	<0.001 mg/l	TM176		<0.001
4-Methylphenol (aq)	<0.001 mg/l	TM176		<0.001
4-Nitrophenol (aq)	<0.001 mg/l	TM176		<0.001
4-Nitroaniline (aq)	<0.001 mg/l	TM176		<0.001
Azobenzene (aq)	<0.001 mg/l	TM176		<0.001
Acenaphthylene (aq)	<0.001 mg/l	TM176		<0.001
Acenaphthene (aq)	<0.001 mg/l	TM176		<0.001
Anthracene (aq)	<0.001 mg/l	TM176		<0.001
bis(2-Chloroethyl)ether (aq)	<0.001 mg/l	TM176		<0.001
bis(2-Chloroethoxy)methane (aq)	<0.001 mg/l	TM176		<0.001
bis(2-Ethylhexyl) phthalate (aq)	<0.002 mg/l	TM176		<0.002
Benzo(a)anthracene (aq)	<0.001 mg/l	TM176		<0.001
Butylbenzyl phthalate (aq)	<0.001 mg/l	TM176		<0.001
Benzo(b)fluoranthene (aq)	<0.001 mg/l	TM176		<0.001
Benzo(k)fluoranthene (aq)	<0.001 mg/l	TM176		<0.001
Benzo(a)pyrene (aq)	<0.001 mg/l	TM176		<0.001
Benzo(g,h,i)perylene (aq)	<0.001 mg/l	TM176		<0.001
Carbazole (aq)	<0.001 mg/l	TM176		<0.001
Chrysene (aq)	<0.001 mg/l	TM176		<0.001

Validated

ALcontrol Laboratories Analytical Services

SDG:	100815-12	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94296

SVOC MS (W) - Aqueous

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	BHE02
Depth (m)	
Sample Type	Water(GW/SW)
Date Sampled	13/08/2010
Date Received	14/08/2010
SDG Ref	100815-12
Lab Sample No.(s)	1953190
AGS Reference	

Component	LOD/Units	Method	
Dibenzofuran (aq)	<0.001	mg/l	TM176	<0.001
n-Dibutyl phthalate (aq)	<0.001	mg/l	TM176	<0.001
Diethyl phthalate (aq)	<0.001	mg/l	TM176	<0.001
Dibenzo(a,h)anthracene (aq)	<0.001	mg/l	TM176	<0.001
Dimethyl phthalate (aq)	<0.001	mg/l	TM176	<0.001
n-Dioctyl phthalate (aq)	<0.005	mg/l	TM176	<0.005
Fluoranthene (aq)	<0.001	mg/l	TM176	<0.001
Fluorene (aq)	<0.001	mg/l	TM176	<0.001
Hexachlorobenzene (aq)	<0.001	mg/l	TM176	<0.001
Hexachlorobutadiene (aq)	<0.001	mg/l	TM176	<0.001
Pentachlorophenol (aq)	<0.001	mg/l	TM176	<0.001
Phenol (aq)	<0.001	mg/l	TM176	<0.001
n-Nitroso-n-dipropylamine (aq)	<0.001	mg/l	TM176	<0.001
Hexachloroethane (aq)	<0.001	mg/l	TM176	<0.001
Nitrobenzene (aq)	<0.001	mg/l	TM176	<0.001
Naphthalene (aq)	<0.001	mg/l	TM176	<0.001
Isophorone (aq)	<0.001	mg/l	TM176	<0.001
Hexachlorocyclopentadiene (aq)	<0.001	mg/l	TM176	<0.001
Phenanthrene (aq)	<0.001	mg/l	TM176	<0.001
Indeno(1,2,3-cd)pyrene (aq)	<0.001	mg/l	TM176	<0.001
Pyrene (aq)	<0.001	mg/l	TM176	<0.001

Validated

ALcontrol Laboratories Analytical Services

SDG:	100815-12	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94296

TPH CWG (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	BHE02	WSE24
Customer Sample Ref.				
Depth (m)				
Sample Type			Water(GW/SW)	Water(GW/SW)
Date Sampled			13/08/2010	13/08/2010
Date Received			14/08/2010	14/08/2010
SDG Ref			100815-12	100815-12
Lab Sample No.(s)			1953190	1953188
AGS Reference				
Total Aliphatics >C5-C35 (aq)	<0.01 mg/l	TM174	1.23	0.07
Total Aromatics >C6-C35 (aq)	<0.01 mg/l	TM174	0.427	<0.01
Total Aliphatics & Aromatics >C5-35 (aq)	<0.01 mg/l	TM174	1.65	0.07
Aliphatics >C12-C16 (aq)	<0.01 mg/l	TM174	0.255	<0.01
Aromatics >EC12-EC16 (aq)	<0.01 mg/l	TM174	0.028	<0.01
Aliphatics >C16-C21 (aq)	<0.01 mg/l	TM174	0.569	0.053
Aromatics >EC16-EC21 (aq)	<0.01 mg/l	TM174	0.131	<0.01
Aliphatics >C21-C35 (aq)	<0.01 mg/l	TM174	0.401	0.017
Aromatics >EC21-EC35 (aq)	<0.01 mg/l	TM174	0.268	<0.01
Total Aliphatics >C12-C35 (aq)	<0.01 mg/l	TM174	1.23	0.07
Total Aromatics >EC12-EC35 (aq)	<0.01 mg/l	TM174	0.427	<0.01
Total Aliphatics & Aromatics >C12-C35 (Aqueous)	<0.01 mg/l	TM174	1.65	0.07
GRO Surrogate % recovery**	%	TM245	78	96
Benzene	<0.007 mg/l	TM245	<0.007 #	<0.007 #
Toluene	<0.004 mg/l	TM245	<0.004 #	<0.004 #
Ethylbenzene	<0.005 mg/l	TM245	<0.005 #	<0.005 #
m,p-Xylene	<0.008 mg/l	TM245	<0.008 #	<0.008 #
o-Xylene	<0.003 mg/l	TM245	<0.003 #	<0.003 #
m,p,o-Xylene	<0.01 mg/l	TM245	<0.01 #	<0.01 #
BTEX, Total	<0.01 mg/l	TM245	<0.01 #	<0.01 #
Methyl tertiary butyl ether (MTBE)	<0.003 mg/l	TM245	<0.003 #	<0.003 #
GRO >C5-C12	<0.05 mg/l	TM245	<0.05 #	<0.05 #
Aliphatics >C5-C6	<0.01 mg/l	TM245	<0.01	<0.01
Aliphatics >C6-C8	<0.01 mg/l	TM245	<0.01	<0.01
Aliphatics >C8-C10	<0.01 mg/l	TM245	<0.01	<0.01
Aliphatics >C10-C12	<0.01 mg/l	TM245	<0.01	<0.01
Total Aliphatics >C5-C12	<0.01 mg/l	TM245	<0.01	<0.01
Aromatics >C6-C7	<0.01 mg/l	TM245	<0.01	<0.01
Aromatics >C7-C8	<0.01 mg/l	TM245	<0.01	<0.01
Aromatics >EC8-EC10	<0.01 mg/l	TM245	<0.01	<0.01
Aromatics >EC10-EC12	<0.01 mg/l	TM245	<0.01	<0.01
Total Aromatics >C6-C12	<0.01 mg/l	TM245	<0.01	<0.01

ALcontrol Laboratories Analytical Services

SDG:	100815-12	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94296

VOC MS (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	BHE02
			Depth (m)	
			Sample Type	Water(GW/SW)
			Date Sampled	13/08/2010
			Date Received	14/08/2010
			SDG Ref	100815-12
			Lab Sample No.(s)	1953190
			AGS Reference	
Dibromofluoromethane**	%	TM208		104
Toluene-d8**	%	TM208		99.1
4-Bromofluorobenzene**	%	TM208		97.5
Dichlorodifluoromethane	<0.007 mg/l	TM208		<0.007 #
Chloromethane	<0.009 mg/l	TM208		<0.009 #
Vinyl chloride	<0.0012 mg/l	TM208		<0.0012 #
Bromomethane	<0.002 mg/l	TM208		<0.002 #
Chloroethane	<0.0025 mg/l	TM208		<0.0025 #
Trichlorofluoromethane	<0.0013 mg/l	TM208		<0.0013 #
1,1-Dichloroethene	<0.0012 mg/l	TM208		0.00919 #
Carbon disulphide	<0.0013 mg/l	TM208		<0.0013 #
Dichloromethane	<0.0037 mg/l	TM208		<0.0037 #
Methyl tertiary butyl ether (MTBE)	<0.0016 mg/l	TM208		<0.0016 #
trans-1,2-Dichloroethene	<0.0019 mg/l	TM208		<0.0019 #
1,1-Dichloroethane	<0.0012 mg/l	TM208		0.0126 #
cis-1,2-Dichloroethene	<0.0023 mg/l	TM208		<0.0023 #
2,2-Dichloropropane	<0.0038 mg/l	TM208		<0.0038 #
Bromochloromethane	<0.0019 mg/l	TM208		<0.0019 #
Chloroform	<0.0018 mg/l	TM208		<0.0018 #
1,1,1-Trichloroethane	<0.0013 mg/l	TM208		0.021 #
1,1-Dichloropropene	<0.0013 mg/l	TM208		<0.0013 #
Carbontetrachloride	<0.0014 mg/l	TM208		<0.0014 #
1,2-Dichloroethane	<0.0033 mg/l	TM208		<0.0033
Benzene	<0.0013 mg/l	TM208		<0.0013 #
Trichloroethene	<0.0025 mg/l	TM208		<0.0025 #
1,2-Dichloropropane	<0.003 mg/l	TM208		<0.003 #
Dibromomethane	<0.0027 mg/l	TM208		<0.0027 #
Bromodichloromethane	<0.0009 mg/l	TM208		<0.0009 #
cis-1,3-Dichloropropene	<0.0019 mg/l	TM208		<0.0019 #
Toluene	<0.0014 mg/l	TM208		<0.0014 #
trans-1,3-Dichloropropene	<0.0035 mg/l	TM208		<0.0035 #
1,1,2-Trichloroethane	<0.0022 mg/l	TM208		<0.0022 #
1,3-Dichloropropane	<0.0022 mg/l	TM208		<0.0022 #
Tetrachloroethene	<0.0015 mg/l	TM208		<0.0015 #
Dibromochloromethane	<0.0017 mg/l	TM208		<0.0017 #
1,2-Dibromoethane	<0.0023 mg/l	TM208		<0.0023 #
Chlorobenzene	<0.0035 mg/l	TM208		<0.0035 #
1,1,1,2-Tetrachloroethane	<0.0013 mg/l	TM208		<0.0013 #
Ethylbenzene	<0.0025 mg/l	TM208		<0.0025 #

ALcontrol Laboratories Analytical Services

SDG:	100815-12	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94296

VOC MS (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	BHE02
Depth (m)	
Sample Type	Water(GW/SW)
Date Sampled	13/08/2010
Date Received	14/08/2010
SDG Ref	100815-12
Lab Sample No.(s)	1953190
AGS Reference	

Component	LOD/Units	Method	
m,p-Xylene	<0.0025	mg/l	TM208	<0.0025 #
o-Xylene	<0.0017	mg/l	TM208	<0.0017 #
Styrene	<0.0012	mg/l	TM208	<0.0012 #
Bromoform	<0.003	mg/l	TM208	<0.003 #
Isopropylbenzene	<0.0014	mg/l	TM208	<0.0014 #
1,1,2,2-Tetrachloroethane	<0.0052	mg/l	TM208	<0.0052
1,2,3-Trichloropropane	<0.0078	mg/l	TM208	<0.0078 #
Bromobenzene	<0.002	mg/l	TM208	<0.002 #
Propylbenzene	<0.0026	mg/l	TM208	<0.0026 #
2-Chlorotoluene	<0.0019	mg/l	TM208	<0.0019 #
1,3,5-Trimethylbenzene	<0.0018	mg/l	TM208	<0.0018 #
4-Chlorotoluene	<0.0019	mg/l	TM208	<0.0019 #
tert-Butylbenzene	<0.002	mg/l	TM208	<0.002 #
1,2,4-Trimethylbenzene	<0.0017	mg/l	TM208	<0.0017 #
sec-Butylbenzene	<0.0017	mg/l	TM208	<0.0017 #
4-iso-Propyltoluene	<0.0026	mg/l	TM208	<0.0026 #
1,3-Dichlorobenzene	<0.0022	mg/l	TM208	<0.0022 #
1,4-Dichlorobenzene	<0.0027	mg/l	TM208	<0.0027 #
n-Butylbenzene	<0.002	mg/l	TM208	<0.002 #
1,2-Dichlorobenzene	<0.0037	mg/l	TM208	<0.0037
1,2-Dibromo-3-chloropropane	<0.0098	mg/l	TM208	<0.0098
1,2,4-Trichlorobenzene	<0.0023	mg/l	TM208	<0.0023 #
Hexachlorobutadiene	<0.0025	mg/l	TM208	<0.0025 #
tert-Amyl methyl ether (TAME)	<0.001	mg/l	TM208	<0.001 #
Naphthalene	<0.0035	mg/l	TM208	<0.0035 #
1,2,3-Trichlorobenzene	<0.0031	mg/l	TM208	<0.0031 #
1,3,5-Trichlorobenzene	<0.01	mg/l	TM208	<0.01

Table of Results - Appendix

SDG Number : 100815-12 **Client :** Entec UK - MOD Ltd **Client Ref :** 26999

REPORT KEY

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03x10-7

NDP	No Determination Possible	#	ISO 17025 Accredited	*	Subcontracted Test	M	MCERTS Accredited
NFD	No Fibres Detected	PFD	Possible Fibres Detected	»	Result previously reported (Incremental reports only)	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control

Method No	Reference	Description	Wet/Dry Sample [1]
TM061	Method for the Determination of EPH,Massachusetts Dept.of EP, 1998	Determination of Extractable Petroleum Hydrocarbons by GC-FID (C10-C40)	
TM099	BS 2690: Part 7:1968 / BS 6068: Part2.11:1984	Determination of Ammonium in Water Samples using the Kone Analyser	
TM120	Method 2510B, AWWA/APHA, 20th Ed., 1999 / BS 2690: Part 9:1970	Determination of Electrical Conductivity using a Conductivity Meter	
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS	
TM174	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Waters by GC-FID	
TM176	EPA 8270D Semi-Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	Determination of SVOCs in Water by GCMS	
TM178	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS in Waters	
TM183	BS EN 23506:2002, (BS 6068-2.74:2002) ISBN 0 580 38924 3	Determination of Trace Level Mercury in Waters and Leachates by PSA Cold Vapour Atomic Fluorescence Spectrometry	
TM184	EPA Methods 325.1 & 325.2,	The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	
TM208	Modified: US EPA Method 8260b & 624	Determination of Volatile Organic Compounds by Headspace / GC-MS in Waters	
TM245	By GC-FID	Determination of GRO by Headspace in waters	
TM256	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4.	Determination of pH in Water and Leachate using the GLpH pH Meter	

[1] Applies to Solid samples only. DRY indicates samples have been dried at 35°C. NA = not applicable.

APPENDIX

APPENDIX

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA Leach tests, flash point, ammonium as NH_4 by the BRE method, VOC TICS, SVOC TICS, TOF-MS SCAN/SEARCH and TOF-MS TICS.
2. Samples will be run in duplicate upon request, but an additional charge may be incurred.
3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for both soil jars, tubs and volatile jars. All waters and vials will be discarded 10 days after the analysis is completed (e-mailed). All material removed during an asbestos containing material screen and analysed for the presence of asbestos will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.
4. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.
5. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.
6. When requested, the individual sub sample scheduled will be screened in house for the presence of large asbestos containing material fragments/pieces. If no asbestos containing material is found this will be reported as 'no asbestos containing material detected'. If asbestos containing material is detected it will be removed and analysed by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If asbestos containing material is present no further analysis will be undertaken. At no point is the fibre content of the soil sample determined.
7. If no separate volatile sample is supplied by the client, the integrity of the data may be compromised if the laboratory is required to create a sub-sample from the bulk sample – similarly, if a headspace or sediment is present in the volatile sample. This will be flagged up as an invalid VOC on the test schedule or recorded on the log sheet.
8. If appropriate preserved bottles are not received preservation will take place on receipt. However, the integrity of the data may be compromised.
9. NDP – No determination possible due to insufficient/unsuitable sample.
10. Metals in water are performed on a filtered sample, and therefore represent dissolved metals – total metals must be requested separately.
11. A table containing the date of analysis for each parameter is not routinely included with the report, but is available upon request.
12. Results relate only to the items tested
13. **Surrogate recoveries** – Most of our organic methods include surrogates, the recovery of which is monitored and reported. For EPH, MO, PAH, GRO and VOCs on soils the result is not surrogate corrected, but a percentage recovery is quoted. Acceptable limits for most organic methods are 70 – 130 %.
14. **Product analyses** – Organic analyses on products can only be semi-quantitative due to the matrix effects and high dilution factors employed.
15. Phenols monohydric by HPLC include phenol, cresols (2-Methylphenol, 3-Methylphenol and 4-Methylphenol) and Xylenols (2,3 Dimethylphenol, 2,4 Dimethylphenol, 2,5 Dimethylphenol, 2,6 Dimethylphenol, 3,4 Dimethyphenol, 3,5 Dimethylphenol).
16. Total of 5 speciated phenols by HPLC includes Phenol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 14).
17. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.
18. Our MCERTS accreditation for PAHs by GCMS applies to all product types apart from Kerosene, where naphthalene only is not accredited.
19. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.
19. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.
20. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.
21. For all leachate preparations (NRA, DIN, TCLP, BSEN 12457-1, 2, 3) volatile loss may occur, as we do not employ zero headspace extraction.
22. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials – whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.
23. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C4 – C10 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

Last updated 1 April 2010

LIQUID MATRICES EXTRACTION SUMMARY

ANALYSIS	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
PAH MS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
EPH	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
EPH CWG	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
MINERAL OIL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
PCB 7 CONGENERS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
PCB TOTAL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GS MS
SVOC	DCM	LIQUID/LIQUID SHAKE	GC MS
FREE SULPHUR	DCM	SOLID PHASE EXTRACTION	HPLC
PEST OCP/OPP	DCM	LIQUID/LIQUID SHAKE	GC MS
TRIAZINE HERBS	DCM	LIQUID/LIQUID SHAKE	GC MS
PHENOLS MS	DCM	SOLID PHASE EXTRACTION	GC MS
TPH by INFRA RED (IR)	TCE	LIQUID/LIQUID EXTRACTION	HPLC
MINERAL OIL by IR	TCE	LIQUID/LIQUID EXTRACTION	HPLC
GLYCOLS	NONE	DIRECT INJECTION	GC FID

SOLID MATRICES EXTRACTION SUMMARY

ANALYSIS	D/C OR WET	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
Solvent Extractable Matter	D&C	DCM	SOXTHERM	GRAVIMETRIC
Cyclohexane Ext. Matter	D&C	CYCLOHEXANE	SOXTHERM	GRAVIMETRIC
Thin Layer Chromatography	D&C	DCM	SOXTHERM	IATROSCAN
Elemental Sulphur	D&C	DCM	SOXTHERM	HPLC
Phenols by GCMS	WET	DCM	SOXTHERM	GC-MS
Herbicides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
Pesticides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
EPH (DRO)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Min oil)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Cleaned up)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH CWG by GC	D&C	HEXANE:ACETONE	END OVER END	GC-FID
PCB tot / PCB con	D&C	HEXANE:ACETONE	END OVER END	GC-MS
Polyaromatic Hydrocarbons (MS)	WET	HEXANE:ACETONE	Microwave TM218.	GC-MS
C8-C40 (C6-C40)EZ Flash	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Polyaromatic Hydrocarbons Rapid GC	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Semi Volatile Organic Compounds	WET	DCM:ACETONE	SONICATE	GC-MS

Identification of Asbestos in Bulk Materials

The results for asbestos identification for soil samples are obtained from possible Asbestos Containing Material, removed during the 'Screening of soils for Asbestos Containing Materials', which have been examined to determine the presence of asbestos fibres using Alcontrol Laboratories (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Visual Estimation Of Fibre Content.

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: -

Trace – Where only one or two asbestos fibres were identified.

Further guidance on typical asbestos fibre content of manufactured products can be found in MDHS 100.

The identification of asbestos containing materials falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

ALcontrol Laboratories

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Attention: Simon Howard

CERTIFICATE OF ANALYSIS

Date:	27 August 2010		
Customer:	H_ENTEC_MOD-12		
Sample Delivery Group (SDG):	100820-109	**Report No.:**	94926
Your Reference:	26999		
Location:			

We received 12 samples on Friday August 20, 2010 and 12 of these samples were scheduled for analysis which was completed on Friday August 27, 2010. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

All chemical testing (unless subcontracted) is performed at ALcontrol Hawarden Laboratories.

Asbestos testing - we are not accredited for screening soil samples for asbestos fibres. We are only accredited to identify asbestos fibres in bulk material (ACM).

Approved By:

Iain Swinton

Operations Director - Land UK & Ireland

UKAS TESTING 1291

ALcontrol Laboratories is a trading division of ALcontrol UK Limited
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Validated

ALcontrol Laboratories Analytical Services

SDG:	100820-109	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94926

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
1985110	BHD01			18/08/2010
1985163	BHE02			18/08/2010
1985072	SWA05			18/08/2010
1984979	SWD08			18/08/2010
1985045	SWD09			18/08/2010
1984939	SWE10			18/08/2010
1985060	WSC04			18/08/2010
1985144	WSC08			18/08/2010
1985024	WSD09			18/08/2010
1984999	WSE10			18/08/2010
1985185	WSE17			18/08/2010
1984905	WSE26			18/08/2010

Only received samples which have had analysis scheduled will be shown on the following pages.

Validated

ALcontrol Laboratories Analytical Services

SDG:	100820-109	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94926

LIQUID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)		1984905			1984939				1984979			1984999			1985024			1985045			1985060				1985072			1985110				1985144				1985163				1985185			
Customer Sample Ref.		WSE26			SWE10				SWD08			WSE10			WSD09			SWD09			WSC04				SWA05			BHD01				WSC08				BHE02				WSE17			
AGS Ref.																																												
Depth (m)																																												
Container		1l green glass bottle	500ml Plastic	H2SO4	1l green glass bottle	500ml Plastic	H2SO4	Vial	1l green glass bottle	500ml Plastic	H2SO4	1l green glass bottle	500ml Plastic	H2SO4	1l green glass bottle	500ml Plastic	H2SO4	1l green glass bottle	500ml Plastic	H2SO4	1l green glass bottle	500ml Plastic	H2SO4	Vial	1l green glass bottle	500ml Plastic	H2SO4	1l green glass bottle	500ml Plastic	H2SO4	Vial	1l green glass bottle	500ml Plastic	H2SO4	Vial	1l green glass bottle	500ml Plastic	H2SO4	Vial	1l green glass bottle	500ml Plastic	H2SO4	Vial
Ammonium	All			X			X				X			X			X			X			X				X			X				X				X				X	
Anions by ion Chromatography	All																												X														
Anions by Kone (w)	All		X			X				X			X			X			X			X				X							X				X				X		
Dissolved Metals by ICP-MS	All		X			X				X			X			X			X			X				X			X				X				X				X		
EPH (DRO) (C10-C40) Aqueous (W)	All	X							X			X			X			X							X			X				X											
EPH CWG (Aliphatic) Aqueous GC (W)	All				X																X															X				X			
EPH CWG (Aromatic) Aqueous GC (W)	All				X																X															X				X			
GRO by GC-FID (W)	All							X																X							X								X				X
Mercury Dissolved	All	X			X				X			X			X			X			X				X			X				X				X				X			
PAH Spec MS - Aqueous (W)	All	X			X																X							X				X				X				X			
pH Value	All		X			X				X			X			X			X			X				X			X				X				X				X		
SVOC MS (W) - Aqueous	All				X																X											X				X							
TPH CWG (W)	All				X																X															X				X			
VOC MS (W)	All							X																X											X				X				

Validated

ALcontrol Laboratories Analytical Services

SDG:	100820-109	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94926

Test Completion dates

SDG reference: 100820-109

Lab Sample No(s)	1984905	1984939	1984979	1984999	1985024	1985045	1985060	1985072	1985110	1985144	1985163	1985185
Customer Sample Ref.	WSE26	SWE10	SWD08	WSE10	WSD09	SWD09	WSC04	SWA05	BHD01	WSC08	BHE02	WSE17
Depth												
Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Ammonium	24/08/2010	24/08/2010	24/08/2010	24/08/2010	24/08/2010	24/08/2010	24/08/2010	24/08/2010	25/08/2010	25/08/2010	24/08/2010	25/08/2010
Anions by ion Chromatography									25/08/2010			
Anions by Kone (w)	25/08/2010	25/08/2010	25/08/2010	25/08/2010	25/08/2010	25/08/2010	25/08/2010	25/08/2010		25/08/2010	25/08/2010	25/08/2010
Dissolved Metals by ICP-MS	24/08/2010	24/08/2010	24/08/2010	24/08/2010	24/08/2010	24/08/2010	24/08/2010	24/08/2010	24/08/2010	24/08/2010	24/08/2010	24/08/2010
EPH (DRO) (C10-C40) Aqueous (W)	25/08/2010		25/08/2010	25/08/2010	25/08/2010	25/08/2010		25/08/2010	25/08/2010	25/08/2010		
EPH CWG (Aliphatic) Aqueous GC		25/08/2010					25/08/2010				25/08/2010	25/08/2010
EPH CWG (Aromatic) Aqueous GC		25/08/2010					25/08/2010				25/08/2010	25/08/2010
GRO by GC-FID (W)		26/08/2010					27/08/2010		26/08/2010		27/08/2010	26/08/2010
Mercury Dissolved	25/08/2010	25/08/2010	24/08/2010	24/08/2010	25/08/2010	25/08/2010	25/08/2010	24/08/2010	25/08/2010	24/08/2010	24/08/2010	25/08/2010
PAH Spec MS - Aqueous (W)	26/08/2010	26/08/2010					26/08/2010		26/08/2010	26/08/2010	26/08/2010	26/08/2010
pH Value	24/08/2010	24/08/2010	24/08/2010	24/08/2010	24/08/2010	24/08/2010	24/08/2010	24/08/2010	24/08/2010	24/08/2010	24/08/2010	24/08/2010
SVOC MS (W) - Aqueous		25/08/2010					25/08/2010			25/08/2010	25/08/2010	
TPH CWG (W)		26/08/2010					27/08/2010				27/08/2010	26/08/2010
VOC MS (W)		24/08/2010					25/08/2010			24/08/2010	24/08/2010	

Validated

ALcontrol Laboratories Analytical Services

SDG:	100820-109	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94926

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
Ammoniacal Nitrogen as NH4	<0.3 mg/l	TM099	BHD01		Water(GW/SW)	18/08/2010	20/08/2010	100820-109	1985110	
			1.48 #							
Arsenic (diss.filt)	<0.00012 mg/l	TM152	0.0067 #							
Boron (diss.filt)	<0.0094 mg/l	TM152	2.08 #							
Cadmium (diss.filt)	<0.0001 mg/l	TM152	0.000151 #							
Chromium (diss.filt)	<0.00022 mg/l	TM152	0.0263 #							
Copper (diss.filt)	<0.00085 mg/l	TM152	0.00663 #							
Lead (diss.filt)	<0.00002 mg/l	TM152	0.000793 #							
Nickel (diss.filt)	<0.00015 mg/l	TM152	0.115 #							
Selenium (diss.filt)	<0.00039 mg/l	TM152	0.0107 #							
Zinc (diss.filt)	<0.00041 mg/l	TM152	0.0252 #							
EPH Range >C10 - C40 (aq)	<0.046 mg/l	TM172	<0.046 #							
EPH Band >C10-C12 (aq)	<0.01 mg/l	TM172	<0.01							
EPH Band >C12-C16 (aq)	<0.01 mg/l	TM172	<0.01							
EPH Band >C16-C21 (aq)	<0.01 mg/l	TM172	<0.01							
EPH Band >C21-C28 (aq)	<0.01 mg/l	TM172	<0.01							
EPH Band >C35-C40 (aq)	<0.01 mg/l	TM172	<0.01							
EPH Band >C28-C35 (aq)	<0.01 mg/l	TM172	<0.01							
Mercury (diss.filt)	<0.00001 mg/l	TM183	<0.00001 #							
Sulphate	<3 mg/l	TM184								
Chloride	<2 mg/l	TM184								
Chloride	<0.07 mg/l	TM226	46.7 #							
Sulphate	<0.1 mg/l	TM226	2140 #							
pH	<1 pH Units	TM256	7.63 #							

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
Ammoniacal Nitrogen as NH4	<0.3 mg/l	TM099	BHE02		Water(GW/SW)	18/08/2010	20/08/2010	100820-109	1985163	
			1.79 #							
Arsenic (diss.filt)	<0.00012 mg/l	TM152	0.0015 #							
Boron (diss.filt)	<0.0094 mg/l	TM152	0.455 #							
Cadmium (diss.filt)	<0.0001 mg/l	TM152	0.000103 #							
Chromium (diss.filt)	<0.00022 mg/l	TM152	0.00872 #							
Copper (diss.filt)	<0.00085 mg/l	TM152	0.00649 #							
Lead (diss.filt)	<0.00002 mg/l	TM152	<0.00002 #							
Nickel (diss.filt)	<0.00015 mg/l	TM152	0.0345 #							
Selenium (diss.filt)	<0.00039 mg/l	TM152	0.00186 #							
Zinc (diss.filt)	<0.00041 mg/l	TM152	0.0102 #							
EPH Range >C10 - C40 (aq)	<0.046 mg/l	TM172								
EPH Band >C10-C12 (aq)	<0.01 mg/l	TM172								
EPH Band >C12-C16 (aq)	<0.01 mg/l	TM172								
EPH Band >C16-C21 (aq)	<0.01 mg/l	TM172								
EPH Band >C21-C28 (aq)	<0.01 mg/l	TM172								
EPH Band >C35-C40 (aq)	<0.01 mg/l	TM172								
EPH Band >C28-C35 (aq)	<0.01 mg/l	TM172								
Mercury (diss.filt)	<0.00001 mg/l	TM183	<0.00001 #							
Sulphate	<3 mg/l	TM184	785 #							
Chloride	<2 mg/l	TM184	42.8 #							
Chloride	<0.07 mg/l	TM226								
Sulphate	<0.1 mg/l	TM226								
pH	<1 pH Units	TM256	7.88 #							

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
Ammoniacal Nitrogen as NH4	<0.3 mg/l	TM099	SWA05		Water(GW/SW)	18/08/2010	20/08/2010	100820-109	1985072	
			<0.3 #							
Arsenic (diss.filt)	<0.00012 mg/l	TM152	0.00179 #							
Boron (diss.filt)	<0.0094 mg/l	TM152	0.108 #							
Cadmium (diss.filt)	<0.0001 mg/l	TM152	<0.0001 #							
Chromium (diss.filt)	<0.00022 mg/l	TM152	0.00332 #							
Copper (diss.filt)	<0.00085 mg/l	TM152	0.002 #							
Lead (diss.filt)	<0.00002 mg/l	TM152	<0.00002 #							
Nickel (diss.filt)	<0.00015 mg/l	TM152	0.000976 #							
Selenium (diss.filt)	<0.00039 mg/l	TM152	0.000609 #							
Zinc (diss.filt)	<0.00041 mg/l	TM152	0.00594 #							
EPH Range >C10 - C40 (aq)	<0.046 mg/l	TM172	0.183 #							
EPH Band >C10-C12 (aq)	<0.01 mg/l	TM172	<0.01							
EPH Band >C12-C16 (aq)	<0.01 mg/l	TM172	<0.01							
EPH Band >C16-C21 (aq)	<0.01 mg/l	TM172	0.0486							
EPH Band >C21-C28 (aq)	<0.01 mg/l	TM172	0.0555							
EPH Band >C35-C40 (aq)	<0.01 mg/l	TM172	0.0118							
EPH Band >C28-C35 (aq)	<0.01 mg/l	TM172	0.0671							
Mercury (diss.filt)	<0.00001 mg/l	TM183	<0.00001 #							
Sulphate	<3 mg/l	TM184	18.1 #							
Chloride	<2 mg/l	TM184	3.9 #							
Chloride	<0.07 mg/l	TM226								
Sulphate	<0.1 mg/l	TM226								
pH	<1 pH Units	TM256	8.5 #							

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
Ammoniacal Nitrogen as NH4	<0.3 mg/l	TM099	SWD08		Water(GW/SW)	18/08/2010	20/08/2010	100820-109	1984979	
			<0.3 #							
Arsenic (diss.filt)	<0.00012 mg/l	TM152	0.000409 #							
Boron (diss.filt)	<0.0094 mg/l	TM152	1.76 #							
Cadmium (diss.filt)	<0.0001 mg/l	TM152	<0.0001 #							
Chromium (diss.filt)	<0.00022 mg/l	TM152	0.00506 #							
Copper (diss.filt)	<0.00085 mg/l	TM152	0.00134 #							
Lead (diss.filt)	<0.00002 mg/l	TM152	0.000179 #							
Nickel (diss.filt)	<0.00015 mg/l	TM152	0.00295 #							
Selenium (diss.filt)	<0.00039 mg/l	TM152	0.000516 #							
Zinc (diss.filt)	<0.00041 mg/l	TM152	0.0233 #							
EPH Range >C10 - C40 (aq)	<0.046 mg/l	TM172	0.135 #							
EPH Band >C10-C12 (aq)	<0.01 mg/l	TM172	<0.01							
EPH Band >C12-C16 (aq)	<0.01 mg/l	TM172	<0.01							
EPH Band >C16-C21 (aq)	<0.01 mg/l	TM172	0.0286							
EPH Band >C21-C28 (aq)	<0.01 mg/l	TM172	0.0301							
EPH Band >C35-C40 (aq)	<0.01 mg/l	TM172	0.0134							
EPH Band >C28-C35 (aq)	<0.01 mg/l	TM172	0.0629							
Mercury (diss.filt)	<0.00001 mg/l	TM183	<0.00001 #							
Sulphate	<3 mg/l	TM184	112 #							
Chloride	<2 mg/l	TM184	118 #							
Chloride	<0.07 mg/l	TM226								
Sulphate	<0.1 mg/l	TM226								
pH	<1 pH Units	TM256	8.43 #							

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
Ammoniacal Nitrogen as NH4	<0.3 mg/l	TM099	SWD09		Water(GW/SW)	18/08/2010	20/08/2010	100820-109	1985045	
			<0.3 #							
Arsenic (diss.filt)	<0.00012 mg/l	TM152	0.000442 #							
Boron (diss.filt)	<0.0094 mg/l	TM152	0.0463 #							
Cadmium (diss.filt)	<0.0001 mg/l	TM152	<0.0001 #							
Chromium (diss.filt)	<0.00022 mg/l	TM152	0.00131 #							
Copper (diss.filt)	<0.00085 mg/l	TM152	0.00104 #							
Lead (diss.filt)	<0.00002 mg/l	TM152	0.000206 #							
Nickel (diss.filt)	<0.00015 mg/l	TM152	0.000967 #							
Selenium (diss.filt)	<0.00039 mg/l	TM152	<0.00039 #							
Zinc (diss.filt)	<0.00041 mg/l	TM152	0.185 #							
EPH Range >C10 - C40 (aq)	<0.046 mg/l	TM172	<0.046 #							
EPH Band >C10-C12 (aq)	<0.01 mg/l	TM172	<0.01							
EPH Band >C12-C16 (aq)	<0.01 mg/l	TM172	<0.01							
EPH Band >C16-C21 (aq)	<0.01 mg/l	TM172	<0.01							
EPH Band >C21-C28 (aq)	<0.01 mg/l	TM172	<0.01							
EPH Band >C35-C40 (aq)	<0.01 mg/l	TM172	<0.01							
EPH Band >C28-C35 (aq)	<0.01 mg/l	TM172	0.0407							
Mercury (diss.filt)	<0.00001 mg/l	TM183	<0.00001 #							
Sulphate	<3 mg/l	TM184	12.3 #							
Chloride	<2 mg/l	TM184	16 #							
Chloride	<0.07 mg/l	TM226								
Sulphate	<0.1 mg/l	TM226								
pH	<1 pH Units	TM256	7.82 #							

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
Ammoniacal Nitrogen as NH4	<0.3 mg/l	TM099	SWE10		Water(GW/SW)	18/08/2010	20/08/2010	100820-109	1984939	
			<0.3 #							
Arsenic (diss.filt)	<0.00012 mg/l	TM152	0.000645 #							
Boron (diss.filt)	<0.0094 mg/l	TM152	1.38 #							
Cadmium (diss.filt)	<0.0001 mg/l	TM152	<0.0001 #							
Chromium (diss.filt)	<0.00022 mg/l	TM152	0.00325 #							
Copper (diss.filt)	<0.00085 mg/l	TM152	0.00244 #							
Lead (diss.filt)	<0.00002 mg/l	TM152	0.000164 #							
Nickel (diss.filt)	<0.00015 mg/l	TM152	0.0024 #							
Selenium (diss.filt)	<0.00039 mg/l	TM152	0.000566 #							
Zinc (diss.filt)	<0.00041 mg/l	TM152	0.00914 #							
EPH Range >C10 - C40 (aq)	<0.046 mg/l	TM172								
EPH Band >C10-C12 (aq)	<0.01 mg/l	TM172								
EPH Band >C12-C16 (aq)	<0.01 mg/l	TM172								
EPH Band >C16-C21 (aq)	<0.01 mg/l	TM172								
EPH Band >C21-C28 (aq)	<0.01 mg/l	TM172								
EPH Band >C35-C40 (aq)	<0.01 mg/l	TM172								
EPH Band >C28-C35 (aq)	<0.01 mg/l	TM172								
Mercury (diss.filt)	<0.00001 mg/l	TM183	<0.00001 #							
Sulphate	<3 mg/l	TM184	74.1 #							
Chloride	<2 mg/l	TM184	116 #							
Chloride	<0.07 mg/l	TM226								
Sulphate	<0.1 mg/l	TM226								
pH	<1 pH Units	TM256	8.31 #							

Validated

ALcontrol Laboratories Analytical Services

SDG:	100820-109	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94926

GRO by GC-FID (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Customer Sample Ref.	BHD01
Depth (m)	
Sample Type	Water(GW/SW)
Date Sampled	18/08/2010
Date Received	20/08/2010
SDG Ref	100820-109
Lab Sample No.(s)	1985110
AGS Reference	

Component	LOD/Units	Method	
Benzene	<0.007 mg/l	TM245	<0.007 #
Toluene	<0.004 mg/l	TM245	<0.004 #
Ethylbenzene	<0.005 mg/l	TM245	<0.005 #
m,p-Xylene	<0.008 mg/l	TM245	<0.008 #
o-Xylene	<0.003 mg/l	TM245	<0.003 #
m,p,o-Xylene	<0.01 mg/l	TM245	<0.01 #
BTEX, Total	<0.01 mg/l	TM245	<0.01 #
Methyl tertiary butyl ether (MTBE)	<0.003 mg/l	TM245	<0.003 #
GRO >C5-C6	<0.01 mg/l	TM245	<0.01
GRO >C6-C7	<0.01 mg/l	TM245	<0.01
GRO >C7-C8	<0.01 mg/l	TM245	<0.01
GRO >C8-C10	<0.01 mg/l	TM245	<0.01
GRO >C5-C12	<0.05 mg/l	TM245	<0.05 #
GRO >C10-C12	<0.01 mg/l	TM245	<0.01

ALcontrol Laboratories Analytical Services

SDG:	100820-109	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94926

PAH Spec MS - Aqueous (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	BHD01	BHE02	SWE10
			Depth (m)			
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	18/08/2010	18/08/2010	18/08/2010
			Date Received	20/08/2010	20/08/2010	20/08/2010
			SDG Ref	100820-109	100820-109	100820-109
			Lab Sample No.(s)	1985110	1985163	1984939
			AGS Reference			
Naphthalene (aq)	<0.0001 mg/l	TM178		<0.0001 #	<0.0001 #	<0.0001 #
Acenaphthene (aq)	<0.000015 mg/l	TM178		0.000041 #	0.000553 #	<0.000015 #
Acenaphthylene (aq)	<0.000011 mg/l	TM178		<0.000011 #	0.00175 #	<0.000011 #
Fluoranthene (aq)	<0.000014 mg/l	TM178		0.000031 #	0.00375 #	<0.000014 #
Anthracene (aq)	<0.000015 mg/l	TM178		0.000022 #	0.00033 #	<0.000015 #
Phenanthrene (aq)	<0.000022 mg/l	TM178		0.000056 #	0.000928 #	<0.000022 #
Fluorene (aq)	<0.000014 mg/l	TM178		0.000025 #	0.000978 #	<0.000014 #
Chrysene (aq)	<0.000013 mg/l	TM178		<0.000013 #	0.00135 #	<0.000013 #
Pyrene (aq)	<0.000015 mg/l	TM178		0.000026 #	0.00309 #	<0.000015 #
Benzo(a)anthracene (aq)	<0.000017 mg/l	TM178		0.000022 #	0.00147 #	0.000019 #
Benzo(b)fluoranthene (aq)	<0.000023 mg/l	TM178		<0.000023 #	0.00204 #	<0.000023 #
Benzo(k)fluoranthene (aq)	<0.000027 mg/l	TM178		<0.000027 #	0.00176 #	<0.000027 #
Benzo(a)pyrene (aq)	<0.000009 mg/l	TM178		0.000014 #	0.0023 #	0.000011 #
Dibenzo(a,h)anthracene (aq)	<0.000016 mg/l	TM178		<0.000016 #	0.00046 #	<0.000016 #
Benzo(g,h,i)perylene (aq)	<0.000016 mg/l	TM178		<0.000016 #	0.0013 #	<0.000016 #
Indeno(1,2,3-cd)pyrene (aq)	<0.000014 mg/l	TM178		<0.000014 #	0.00126 #	<0.000014 #
Polyaromatic hydrocarbons, Total USEPA 16 (aq)	<0.0001 mg/l	TM178		0.000237 #	0.0233 #	<0.0001 #
Naphthalene-d8	%	TM178		100	100	100
Acenaphthene-d10	%	TM178		100	100	100
Phenanthrene-d10	%	TM178		100	100	100
Chrysene-d12	%	TM178		100	100	100
Perylene-d12	%	TM178		100	100	100

SDG:	100820-109	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94926

SVOC MS (W) - Aqueous

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	BHE02	SWE10
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	18/08/2010	18/08/2010
			Date Received	20/08/2010	20/08/2010
			SDG Ref	100820-109	100820-109
			Lab Sample No.(s)	1985163	1984939
			AGS Reference		
1,2,4-Trichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
1,2-Dichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
1,3-Dichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
1,4-Dichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2,4,5-Trichlorophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2,4,6-Trichlorophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2,4-Dichlorophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2,4-Dimethylphenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2,4-Dinitrotoluene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2,6-Dinitrotoluene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2-Chloronaphthalene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2-Chlorophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2-Methylnaphthalene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2-Methylphenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2-Nitroaniline (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2-Nitrophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
3-Nitroaniline (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Bromophenylphenylether (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Chloro-3-methylphenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Chloroaniline (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Chlorophenylphenylether (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Methylphenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Nitrophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Nitroaniline (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Azobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Acenaphthylene (aq)	<0.001 mg/l	TM176		0.00127	<0.001
Acenaphthene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Anthracene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
bis(2-Chloroethyl)ether (aq)	<0.001 mg/l	TM176		<0.001	<0.001
bis(2-Chloroethoxy)methane (aq)	<0.001 mg/l	TM176		<0.001	<0.001
bis(2-Ethylhexyl) phthalate (aq)	<0.002 mg/l	TM176		<0.002	<0.002
Benzo(a)anthracene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Butylbenzyl phthalate (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Benzo(b)fluoranthene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Benzo(k)fluoranthene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Benzo(a)pyrene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Benzo(g,h,i)perylene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Carbazole (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Chrysene (aq)	<0.001 mg/l	TM176		<0.001	<0.001

ALcontrol Laboratories Analytical Services

SDG:	100820-109	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94926

SVOC MS (W) - Aqueous

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	BHE02	SWE10
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	18/08/2010	18/08/2010
			Date Received	20/08/2010	20/08/2010
			SDG Ref	100820-109	100820-109
			Lab Sample No.(s)	1985163	1984939
			AGS Reference		
Dibenzofuran (aq)	<0.001 mg/l	TM176		<0.001	<0.001
n-Dibutyl phthalate (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Diethyl phthalate (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Dibenzo(a,h)anthracene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Dimethyl phthalate (aq)	<0.001 mg/l	TM176		<0.001	<0.001
n-Dioctyl phthalate (aq)	<0.005 mg/l	TM176		<0.005	<0.005
Fluoranthene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Fluorene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Hexachlorobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Hexachlorobutadiene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Pentachlorophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Phenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
n-Nitroso-n-dipropylamine (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Hexachloroethane (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Nitrobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Naphthalene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Isophorone (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Hexachlorocyclopentadiene (aq)	<0.001 mg/l	TM176		<0.002	<0.002
Phenanthrene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Indeno(1,2,3-cd)pyrene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Pyrene (aq)	<0.001 mg/l	TM176		<0.001	<0.001

SDG:	100820-109	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94926

TPH CWG (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	BHE02	SWE10
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	18/08/2010	18/08/2010
			Date Received	20/08/2010	20/08/2010
			SDG Ref	100820-109	100820-109
			Lab Sample No.(s)	1985163	1984939
			AGS Reference		
Total Aliphatics >C5-C35 (aq)	<0.01 mg/l	TM174		0.566	<0.01
Total Aromatics >C6-C35 (aq)	<0.01 mg/l	TM174		0.172	<0.01
Total Aliphatics & Aromatics >C5-35 (aq)	<0.01 mg/l	TM174		0.738	<0.01
Aliphatics >C12-C16 (aq)	<0.01 mg/l	TM174		0.127	<0.01
Aromatics >EC12-EC16 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Aliphatics >C16-C21 (aq)	<0.01 mg/l	TM174		0.26	<0.01
Aromatics >EC16-EC21 (aq)	<0.01 mg/l	TM174		0.055	<0.01
Aliphatics >C21-C35 (aq)	<0.01 mg/l	TM174		0.179	<0.01
Aromatics >EC21-EC35 (aq)	<0.01 mg/l	TM174		0.117	<0.01
Total Aliphatics >C12-C35 (aq)	<0.01 mg/l	TM174		0.566	<0.01
Total Aromatics >EC12-EC35 (aq)	<0.01 mg/l	TM174		0.172	<0.01
Total Aliphatics & Aromatics >C12-C35 (Aqueous)	<0.01 mg/l	TM174		0.738	<0.01
GRO Surrogate % recovery**	%	TM245		101	106
Benzene	<0.007 mg/l	TM245		<0.007 #	<0.007 #
Toluene	<0.004 mg/l	TM245		<0.004 #	<0.004 #
Ethylbenzene	<0.005 mg/l	TM245		<0.005 #	<0.005 #
m,p-Xylene	<0.008 mg/l	TM245		<0.008 #	<0.008 #
o-Xylene	<0.003 mg/l	TM245		<0.003 #	<0.003 #
m,p,o-Xylene	<0.01 mg/l	TM245		<0.01 #	<0.01 #
BTEX, Total	<0.01 mg/l	TM245		<0.01 #	<0.01 #
Methyl tertiary butyl ether (MTBE)	<0.003 mg/l	TM245		<0.003 #	<0.003 #
GRO >C5-C12	<0.05 mg/l	TM245		<0.05 #	<0.05 #
Aliphatics >C5-C6	<0.01 mg/l	TM245		<0.01	<0.01
Aliphatics >C6-C8	<0.01 mg/l	TM245		<0.01	<0.01
Aliphatics >C8-C10	<0.01 mg/l	TM245		<0.01	<0.01
Aliphatics >C10-C12	<0.01 mg/l	TM245		<0.01	<0.01
Total Aliphatics >C5-C12	<0.01 mg/l	TM245		<0.01	<0.01
Aromatics >C6-C7	<0.01 mg/l	TM245		<0.01	<0.01
Aromatics >C7-C8	<0.01 mg/l	TM245		<0.01	<0.01
Aromatics >EC8-EC10	<0.01 mg/l	TM245		<0.01	<0.01
Aromatics >EC10-EC12	<0.01 mg/l	TM245		<0.01	<0.01
Total Aromatics >C6-C12	<0.01 mg/l	TM245		<0.01	<0.01

SDG:	100820-109	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94926

VOC MS (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	BHE02	SWE10
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	18/08/2010	18/08/2010
			Date Received	20/08/2010	20/08/2010
			SDG Ref	100820-109	100820-109
			Lab Sample No.(s)	1985163	1984939
			AGS Reference		
Dibromofluoromethane**	%	TM208		111	109
Toluene-d8**	%	TM208		101	99.6
4-Bromofluorobenzene**	%	TM208		101	102
Dichlorodifluoromethane	<0.007 mg/l	TM208		<0.007 #	<0.007 #
Chloromethane	<0.009 mg/l	TM208		<0.009 #	<0.009 #
Vinyl chloride	<0.0012 mg/l	TM208		<0.0012 #	<0.0012 #
Bromomethane	<0.002 mg/l	TM208		<0.002 #	<0.002 #
Chloroethane	<0.0025 mg/l	TM208		<0.0025 #	<0.0025 #
Trichlorofluoromethane	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #
1,1-Dichloroethene	<0.0012 mg/l	TM208		0.00648 #	<0.0012 #
Carbon disulphide	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #
Dichloromethane	<0.0037 mg/l	TM208		<0.0037 #	<0.0037 #
Methyl tertiary butyl ether (MTBE)	<0.0016 mg/l	TM208		<0.0016 #	<0.0016 #
trans-1,2-Dichloroethene	<0.0019 mg/l	TM208		<0.0019 #	<0.0019 #
1,1-Dichloroethane	<0.0012 mg/l	TM208		0.00998 #	<0.0012 #
cis-1,2-Dichloroethene	<0.0023 mg/l	TM208		<0.0023 #	<0.0023 #
2,2-Dichloropropane	<0.0038 mg/l	TM208		<0.0038 #	<0.0038 #
Bromochloromethane	<0.0019 mg/l	TM208		<0.0019 #	<0.0019 #
Chloroform	<0.0018 mg/l	TM208		<0.0018 #	<0.0018 #
1,1,1-Trichloroethane	<0.0013 mg/l	TM208		0.0147 #	<0.0013 #
1,1-Dichloropropene	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #
Carbontetrachloride	<0.0014 mg/l	TM208		<0.0014 #	<0.0014 #
1,2-Dichloroethane	<0.0033 mg/l	TM208		<0.0033	<0.0033
Benzene	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #
Trichloroethene	<0.0025 mg/l	TM208		<0.0025 #	<0.0025 #
1,2-Dichloropropane	<0.003 mg/l	TM208		<0.003 #	<0.003 #
Dibromomethane	<0.0027 mg/l	TM208		<0.0027 #	<0.0027 #
Bromodichloromethane	<0.0009 mg/l	TM208		<0.0009 #	<0.0009 #
cis-1,3-Dichloropropene	<0.0019 mg/l	TM208		<0.0019 #	<0.0019 #
Toluene	<0.0014 mg/l	TM208		<0.0014 #	<0.0014 #
trans-1,3-Dichloropropene	<0.0035 mg/l	TM208		<0.0035 #	<0.0035 #
1,1,2-Trichloroethane	<0.0022 mg/l	TM208		<0.0022 #	<0.0022 #
1,3-Dichloropropane	<0.0022 mg/l	TM208		<0.0022 #	<0.0022 #
Tetrachloroethene	<0.0015 mg/l	TM208		<0.0015 #	<0.0015 #
Dibromochloromethane	<0.0017 mg/l	TM208		<0.0017 #	<0.0017 #
1,2-Dibromoethane	<0.0023 mg/l	TM208		<0.0023 #	<0.0023 #
Chlorobenzene	<0.0035 mg/l	TM208		<0.0035 #	<0.0035 #
1,1,1,2-Tetrachloroethane	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #
Ethylbenzene	<0.0025 mg/l	TM208		<0.0025 #	<0.0025 #

SDG:	100820-109	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94926

VOC MS (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	BHE02	SWE10
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	18/08/2010	18/08/2010
			Date Received	20/08/2010	20/08/2010
			SDG Ref	100820-109	100820-109
			Lab Sample No.(s)	1985163	1984939
			AGS Reference		
m,p-Xylene	<0.0025 mg/l	TM208		<0.0025 #	<0.0025 #
o-Xylene	<0.0017 mg/l	TM208		<0.0017 #	<0.0017 #
Styrene	<0.0012 mg/l	TM208		<0.0012 #	<0.0012 #
Bromoform	<0.003 mg/l	TM208		<0.003 #	<0.003 #
Isopropylbenzene	<0.0014 mg/l	TM208		<0.0014 #	<0.0014 #
1,1,2,2-Tetrachloroethane	<0.0052 mg/l	TM208		<0.0052	<0.0052
1,2,3-Trichloropropane	<0.0078 mg/l	TM208		<0.0078 #	<0.0078 #
Bromobenzene	<0.002 mg/l	TM208		<0.002 #	<0.002 #
Propylbenzene	<0.0026 mg/l	TM208		<0.0026 #	<0.0026 #
2-Chlorotoluene	<0.0019 mg/l	TM208		<0.0019 #	<0.0019 #
1,3,5-Trimethylbenzene	<0.0018 mg/l	TM208		<0.0018 #	<0.0018 #
4-Chlorotoluene	<0.0019 mg/l	TM208		<0.0019 #	<0.0019 #
tert-Butylbenzene	<0.002 mg/l	TM208		<0.002 #	<0.002 #
1,2,4-Trimethylbenzene	<0.0017 mg/l	TM208		<0.0017 #	<0.0017 #
sec-Butylbenzene	<0.0017 mg/l	TM208		<0.0017 #	<0.0017 #
4-iso-Propyltoluene	<0.0026 mg/l	TM208		<0.0026 #	<0.0026 #
1,3-Dichlorobenzene	<0.0022 mg/l	TM208		<0.0022 #	<0.0022 #
1,4-Dichlorobenzene	<0.0027 mg/l	TM208		<0.0027 #	<0.0027 #
n-Butylbenzene	<0.002 mg/l	TM208		<0.002 #	<0.002 #
1,2-Dichlorobenzene	<0.0037 mg/l	TM208		<0.0037	<0.0037
1,2-Dibromo-3-chloropropane	<0.0098 mg/l	TM208		<0.0098	<0.0098
1,2,4-Trichlorobenzene	<0.0023 mg/l	TM208		<0.0023 #	<0.0023 #
Hexachlorobutadiene	<0.0025 mg/l	TM208		<0.0025 #	<0.0025 #
tert-Amyl methyl ether (TAME)	<0.001 mg/l	TM208		<0.001 #	<0.001 #
Naphthalene	<0.0035 mg/l	TM208		<0.0035 #	<0.0035 #
1,2,3-Trichlorobenzene	<0.0031 mg/l	TM208		<0.0031 #	<0.0031 #
1,3,5-Trichlorobenzene	<0.01 mg/l	TM208		<0.01	<0.01

Validated

ALcontrol Laboratories Analytical Services

SDG:	100820-109	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94926

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
Ammoniacal Nitrogen as NH4	<0.3 mg/l	TM099	WSC04		Water(GW/SW)	18/08/2010	20/08/2010	100820-109	1985060	
			0.456 #							
Arsenic (diss.filt)	<0.00012 mg/l	TM152	0.00277 #							
Boron (diss.filt)	<0.0094 mg/l	TM152	0.332 #							
Cadmium (diss.filt)	<0.0001 mg/l	TM152	<0.0001 #							
Chromium (diss.filt)	<0.00022 mg/l	TM152	0.00513 #							
Copper (diss.filt)	<0.00085 mg/l	TM152	0.00342 #							
Lead (diss.filt)	<0.00002 mg/l	TM152	0.00005 #							
Nickel (diss.filt)	<0.00015 mg/l	TM152	0.00556 #							
Selenium (diss.filt)	<0.00039 mg/l	TM152	0.00815 #							
Zinc (diss.filt)	<0.00041 mg/l	TM152	0.00251 #							
EPH Range >C10 - C40 (aq)	<0.046 mg/l	TM172								
EPH Band >C10-C12 (aq)	<0.01 mg/l	TM172								
EPH Band >C12-C16 (aq)	<0.01 mg/l	TM172								
EPH Band >C16-C21 (aq)	<0.01 mg/l	TM172								
EPH Band >C21-C28 (aq)	<0.01 mg/l	TM172								
EPH Band >C35-C40 (aq)	<0.01 mg/l	TM172								
EPH Band >C28-C35 (aq)	<0.01 mg/l	TM172								
Mercury (diss.filt)	<0.00001 mg/l	TM183	<0.00001 #							
Sulphate	<3 mg/l	TM184	352 #							
Chloride	<2 mg/l	TM184	90.2 #							
pH	<1 pH Units	TM256	7.95 #							

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
Ammoniacal Nitrogen as NH4	<0.3 mg/l	TM099	WSC08		Water(GW/SW)	18/08/2010	20/08/2010	100820-109	1985144	
			1.66 #							
Arsenic (diss.filt)	<0.00012 mg/l	TM152	0.00137 #							
Boron (diss.filt)	<0.0094 mg/l	TM152	1.93 #							
Cadmium (diss.filt)	<0.0001 mg/l	TM152	0.00012 #							
Chromium (diss.filt)	<0.00022 mg/l	TM152	0.00874 #							
Copper (diss.filt)	<0.00085 mg/l	TM152	0.00784 #							
Lead (diss.filt)	<0.00002 mg/l	TM152	0.0007 #							
Nickel (diss.filt)	<0.00015 mg/l	TM152	0.0171 #							
Selenium (diss.filt)	<0.00039 mg/l	TM152	0.00606 #							
Zinc (diss.filt)	<0.00041 mg/l	TM152	0.00898 #							
EPH Range >C10 - C40 (aq)	<0.046 mg/l	TM172	<0.046 #							
EPH Band >C10-C12 (aq)	<0.01 mg/l	TM172	<0.01							
EPH Band >C12-C16 (aq)	<0.01 mg/l	TM172	<0.01							
EPH Band >C16-C21 (aq)	<0.01 mg/l	TM172	<0.01							
EPH Band >C21-C28 (aq)	<0.01 mg/l	TM172	<0.01							
EPH Band >C35-C40 (aq)	<0.01 mg/l	TM172	<0.01							
EPH Band >C28-C35 (aq)	<0.01 mg/l	TM172	<0.01							
Mercury (diss.filt)	<0.00001 mg/l	TM183	<0.00001 #							
Sulphate	<3 mg/l	TM184	1660 #							
Chloride	<2 mg/l	TM184	367 #							
pH	<1 pH Units	TM256	8 #							

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
Ammoniacal Nitrogen as NH4	<0.3 mg/l	TM099	WSD09		Water(GW/SW)	18/08/2010	20/08/2010	100820-109	1985024	
			2.48 #							
Arsenic (diss.filt)	<0.00012 mg/l	TM152	0.00181 #							
Boron (diss.filt)	<0.0094 mg/l	TM152	1.88 #							
Cadmium (diss.filt)	<0.0001 mg/l	TM152	<0.0001 #							
Chromium (diss.filt)	<0.00022 mg/l	TM152	0.0142 #							
Copper (diss.filt)	<0.00085 mg/l	TM152	0.00464 #							
Lead (diss.filt)	<0.00002 mg/l	TM152	0.000168 #							
Nickel (diss.filt)	<0.00015 mg/l	TM152	0.0426 #							
Selenium (diss.filt)	<0.00039 mg/l	TM152	0.00418 #							
Zinc (diss.filt)	<0.00041 mg/l	TM152	0.00741 #							
EPH Range >C10 - C40 (aq)	<0.046 mg/l	TM172	0.168 #							
EPH Band >C10-C12 (aq)	<0.01 mg/l	TM172	0.0182							
EPH Band >C12-C16 (aq)	<0.01 mg/l	TM172	0.0385							
EPH Band >C16-C21 (aq)	<0.01 mg/l	TM172	0.0592							
EPH Band >C21-C28 (aq)	<0.01 mg/l	TM172	0.0393							
EPH Band >C35-C40 (aq)	<0.01 mg/l	TM172	<0.01							
EPH Band >C28-C35 (aq)	<0.01 mg/l	TM172	0.0113							
Mercury (diss.filt)	<0.00001 mg/l	TM183	<0.00001 #							
Sulphate	<3 mg/l	TM184	1650 #							
Chloride	<2 mg/l	TM184	23.8 #							
pH	<1 pH Units	TM256	7.45 #							

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
Ammoniacal Nitrogen as NH4	<0.3 mg/l	TM099	WSE10		Water(GW/SW)	18/08/2010	20/08/2010	100820-109	1984999	
			<0.3 #							
Arsenic (diss.filt)	<0.00012 mg/l	TM152	0.000527 #							
Boron (diss.filt)	<0.0094 mg/l	TM152	1.7 #							
Cadmium (diss.filt)	<0.0001 mg/l	TM152	<0.0001 #							
Chromium (diss.filt)	<0.00022 mg/l	TM152	0.0113 #							
Copper (diss.filt)	<0.00085 mg/l	TM152	0.00168 #							
Lead (diss.filt)	<0.00002 mg/l	TM152	0.000232 #							
Nickel (diss.filt)	<0.00015 mg/l	TM152	0.00672 #							
Selenium (diss.filt)	<0.00039 mg/l	TM152	0.000835 #							
Zinc (diss.filt)	<0.00041 mg/l	TM152	0.00292 #							
EPH Range >C10 - C40 (aq)	<0.046 mg/l	TM172	0.0673 #							
EPH Band >C10-C12 (aq)	<0.01 mg/l	TM172	<0.01							
EPH Band >C12-C16 (aq)	<0.01 mg/l	TM172	<0.01							
EPH Band >C16-C21 (aq)	<0.01 mg/l	TM172	0.0454							
EPH Band >C21-C28 (aq)	<0.01 mg/l	TM172	0.0155							
EPH Band >C35-C40 (aq)	<0.01 mg/l	TM172	<0.01							
EPH Band >C28-C35 (aq)	<0.01 mg/l	TM172	<0.01							
Mercury (diss.filt)	<0.00001 mg/l	TM183	<0.00001 #							
Sulphate	<3 mg/l	TM184	84 #							
Chloride	<2 mg/l	TM184	67.1 #							
pH	<1 pH Units	TM256	7.66 #							

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
Ammoniacal Nitrogen as NH4	<0.3 mg/l	TM099	WSE17		Water(GW/SW)	18/08/2010	20/08/2010	100820-109	1985185	
			2.21 #							
Arsenic (diss.filt)	<0.00012 mg/l	TM152	0.00374 #							
Boron (diss.filt)	<0.0094 mg/l	TM152	0.272 #							
Cadmium (diss.filt)	<0.0001 mg/l	TM152	0.000178 #							
Chromium (diss.filt)	<0.00022 mg/l	TM152	0.0108 #							
Copper (diss.filt)	<0.00085 mg/l	TM152	0.00825 #							
Lead (diss.filt)	<0.00002 mg/l	TM152	0.000028 #							
Nickel (diss.filt)	<0.00015 mg/l	TM152	0.0512 #							
Selenium (diss.filt)	<0.00039 mg/l	TM152	0.00483 #							
Zinc (diss.filt)	<0.00041 mg/l	TM152	0.0102 #							
EPH Range >C10 - C40 (aq)	<0.046 mg/l	TM172								
EPH Band >C10-C12 (aq)	<0.01 mg/l	TM172								
EPH Band >C12-C16 (aq)	<0.01 mg/l	TM172								
EPH Band >C16-C21 (aq)	<0.01 mg/l	TM172								
EPH Band >C21-C28 (aq)	<0.01 mg/l	TM172								
EPH Band >C35-C40 (aq)	<0.01 mg/l	TM172								
EPH Band >C28-C35 (aq)	<0.01 mg/l	TM172								
Mercury (diss.filt)	<0.00001 mg/l	TM183	<0.00001 #							
Sulphate	<3 mg/l	TM184	1120 #							
Chloride	<2 mg/l	TM184	122 #							
pH	<1 pH Units	TM256	7.56 #							

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
Ammoniacal Nitrogen as NH4	<0.3 mg/l	TM099	WSE26		Water(GW/SW)	18/08/2010	20/08/2010	100820-109	1984905	
			0.937 #							
Arsenic (diss.filt)	<0.00012 mg/l	TM152	0.000729 #							
Boron (diss.filt)	<0.0094 mg/l	TM152	3.91 #							
Cadmium (diss.filt)	<0.0001 mg/l	TM152	0.000116 #							
Chromium (diss.filt)	<0.00022 mg/l	TM152	0.0125 #							
Copper (diss.filt)	<0.00085 mg/l	TM152	0.00613 #							
Lead (diss.filt)	<0.00002 mg/l	TM152	0.000156 #							
Nickel (diss.filt)	<0.00015 mg/l	TM152	0.0154 #							
Selenium (diss.filt)	<0.00039 mg/l	TM152	0.00163 #							
Zinc (diss.filt)	<0.00041 mg/l	TM152	0.00546 #							
EPH Range >C10 - C40 (aq)	<0.046 mg/l	TM172	0.0731 #							
EPH Band >C10-C12 (aq)	<0.01 mg/l	TM172	<0.01							
EPH Band >C12-C16 (aq)	<0.01 mg/l	TM172	<0.01							
EPH Band >C16-C21 (aq)	<0.01 mg/l	TM172	0.0529							
EPH Band >C21-C28 (aq)	<0.01 mg/l	TM172	0.0147							
EPH Band >C35-C40 (aq)	<0.01 mg/l	TM172	<0.01							
EPH Band >C28-C35 (aq)	<0.01 mg/l	TM172	<0.01							
Mercury (diss.filt)	<0.00001 mg/l	TM183	<0.00001 #							
Sulphate	<3 mg/l	TM184	2230 #							
Chloride	<2 mg/l	TM184	61.7 #							
pH	<1 pH Units	TM256	7.85 #							

Validated

ALcontrol Laboratories Analytical Services

SDG:	100820-109	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94926

PAH Spec MS - Aqueous (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSC04	WSC08	WSE17	WSE26
			Depth (m)				
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	18/08/2010	18/08/2010	18/08/2010	18/08/2010
			Date Received	20/08/2010	20/08/2010	20/08/2010	20/08/2010
			SDG Ref	100820-109	100820-109	100820-109	100820-109
			Lab Sample No.(s)	1985060	1985144	1985185	1984905
			AGS Reference				
Naphthalene (aq)	<0.0001 mg/l	TM178		<0.0001 #	0.000423 #	<0.0001 #	<0.0001 #
Acenaphthene (aq)	<0.000015 mg/l	TM178		<0.000015 #	0.000044 #	<0.000015 #	<0.000015 #
Acenaphthylene (aq)	<0.000011 mg/l	TM178		<0.000011 #	0.000012 #	<0.000011 #	<0.000011 #
Fluoranthene (aq)	<0.000014 mg/l	TM178		<0.000014 #	0.000026 #	<0.000014 #	0.000037 #
Anthracene (aq)	<0.000015 mg/l	TM178		<0.000015 #	<0.000015 #	<0.000015 #	<0.000015 #
Phenanthrene (aq)	<0.000022 mg/l	TM178		<0.000022 #	<0.000022 #	<0.000022 #	<0.000022 #
Fluorene (aq)	<0.000014 mg/l	TM178		<0.000014 #	<0.000014 #	<0.000014 #	<0.000014 #
Chrysene (aq)	<0.000013 mg/l	TM178		<0.000013 #	<0.000013 #	<0.000013 #	0.000034 #
Pyrene (aq)	<0.000015 mg/l	TM178		<0.000015 #	0.000056 #	<0.000015 #	0.000052 #
Benzo(a)anthracene (aq)	<0.000017 mg/l	TM178		0.000018 #	<0.000017 #	0.000021 #	0.000042 #
Benzo(b)fluoranthene (aq)	<0.000023 mg/l	TM178		<0.000023 #	<0.000023 #	<0.000023 #	0.000071 #
Benzo(k)fluoranthene (aq)	<0.000027 mg/l	TM178		<0.000027 #	<0.000027 #	<0.000027 #	0.000061 #
Benzo(a)pyrene (aq)	<0.000009 mg/l	TM178		<0.000009 #	<0.000009 #	0.000009 #	0.000075 #
Dibenzo(a,h)anthracene (aq)	<0.000016 mg/l	TM178		<0.000016 #	<0.000016 #	<0.000016 #	0.000027 #
Benzo(g,h,i)perylene (aq)	<0.000016 mg/l	TM178		<0.000016 #	<0.000016 #	<0.000016 #	0.000053 #
Indeno(1,2,3-cd)pyrene (aq)	<0.000014 mg/l	TM178		<0.000014 #	<0.000014 #	<0.000014 #	0.000049 #
Polyaromatic hydrocarbons, Total USEPA 16 (aq)	<0.0001 mg/l	TM178		<0.0001 #	0.000561 #	<0.0001 #	0.000444 #
Naphthalene-d8	%	TM178		100	100	100	100
Acenaphthene-d10	%	TM178		100	100	100	100
Phenanthrene-d10	%	TM178		100	100	100	100
Chrysene-d12	%	TM178		100	100	100	100
Perylene-d12	%	TM178		100	100	100	100

ALcontrol Laboratories Analytical Services

SDG:	100820-109	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94926

SVOC MS (W) - Aqueous

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSC04	WSC08
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	18/08/2010	18/08/2010
			Date Received	20/08/2010	20/08/2010
			SDG Ref	100820-109	100820-109
			Lab Sample No.(s)	1985060	1985144
			AGS Reference		
1,2,4-Trichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
1,2-Dichlorobenzene (aq)	<0.001 mg/l	TM176		0.00249	<0.001
1,3-Dichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
1,4-Dichlorobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2,4,5-Trichlorophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2,4,6-Trichlorophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2,4-Dichlorophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2,4-Dimethylphenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2,4-Dinitrotoluene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2,6-Dinitrotoluene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2-Chloronaphthalene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2-Chlorophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2-Methylnaphthalene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2-Methylphenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2-Nitroaniline (aq)	<0.001 mg/l	TM176		<0.001	<0.001
2-Nitrophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
3-Nitroaniline (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Bromophenylphenylether (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Chloro-3-methylphenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Chloroaniline (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Chlorophenylphenylether (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Methylphenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Nitrophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
4-Nitroaniline (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Azobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Acenaphthylene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Acenaphthene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Anthracene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
bis(2-Chloroethyl)ether (aq)	<0.001 mg/l	TM176		<0.001	<0.001
bis(2-Chloroethoxy)methane (aq)	<0.001 mg/l	TM176		<0.001	<0.001
bis(2-Ethylhexyl) phthalate (aq)	<0.002 mg/l	TM176		<0.002	<0.002
Benzo(a)anthracene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Butylbenzyl phthalate (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Benzo(b)fluoranthene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Benzo(k)fluoranthene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Benzo(a)pyrene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Benzo(g,h,i)perylene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Carbazole (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Chrysene (aq)	<0.001 mg/l	TM176		<0.001	<0.001

SDG:	100820-109	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94926

SVOC MS (W) - Aqueous

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSC04	WSC08
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	18/08/2010	18/08/2010
			Date Received	20/08/2010	20/08/2010
			SDG Ref	100820-109	100820-109
			Lab Sample No.(s)	1985060	1985144
			AGS Reference		
Dibenzofuran (aq)	<0.001 mg/l	TM176		<0.001	<0.001
n-Dibutyl phthalate (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Diethyl phthalate (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Dibenzo(a,h)anthracene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Dimethyl phthalate (aq)	<0.001 mg/l	TM176		<0.001	<0.001
n-Dioctyl phthalate (aq)	<0.005 mg/l	TM176		<0.005	<0.005
Fluoranthene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Fluorene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Hexachlorobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Hexachlorobutadiene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Pentachlorophenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Phenol (aq)	<0.001 mg/l	TM176		<0.001	<0.001
n-Nitroso-n-dipropylamine (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Hexachloroethane (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Nitrobenzene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Naphthalene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Isophorone (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Hexachlorocyclopentadiene (aq)	<0.001 mg/l	TM176		<0.002	<0.002
Phenanthrene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Indeno(1,2,3-cd)pyrene (aq)	<0.001 mg/l	TM176		<0.001	<0.001
Pyrene (aq)	<0.001 mg/l	TM176		<0.001	<0.001

ALcontrol Laboratories Analytical Services

SDG:	100820-109	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94926

TPH CWG (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSC04	WSE17
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	18/08/2010	18/08/2010
			Date Received	20/08/2010	20/08/2010
			SDG Ref	100820-109	100820-109
			Lab Sample No.(s)	1985060	1985185
			AGS Reference		
Total Aliphatics >C5-C35 (aq)	<0.01 mg/l	TM174		0.793	<0.01
Total Aromatics >C6-C35 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Total Aliphatics & Aromatics >C5-35 (aq)	<0.01 mg/l	TM174		0.793	<0.01
Aliphatics >C12-C16 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Aromatics >EC12-EC16 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Aliphatics >C16-C21 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Aromatics >EC16-EC21 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Aliphatics >C21-C35 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Aromatics >EC21-EC35 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Total Aliphatics >C12-C35 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Total Aromatics >EC12-EC35 (aq)	<0.01 mg/l	TM174		<0.01	<0.01
Total Aliphatics & Aromatics >C12-C35 (Aqueous)	<0.01 mg/l	TM174		<0.01	<0.01
GRO Surrogate % recovery**	%	TM245		103	91
Benzene	<0.007 mg/l	TM245		<0.007 #	<0.007 #
Toluene	<0.004 mg/l	TM245		<0.004 #	<0.004 #
Ethylbenzene	<0.005 mg/l	TM245		<0.005 #	<0.005 #
m,p-Xylene	<0.008 mg/l	TM245		<0.008 #	<0.008 #
o-Xylene	<0.003 mg/l	TM245		<0.003 #	<0.003 #
m,p,o-Xylene	<0.01 mg/l	TM245		<0.01 #	<0.01 #
BTEX, Total	<0.01 mg/l	TM245		<0.01 #	<0.01 #
Methyl tertiary butyl ether (MTBE)	<0.003 mg/l	TM245		<0.003 #	<0.003 #
GRO >C5-C12	<0.05 mg/l	TM245		0.809 #	<0.05 #
Aliphatics >C5-C6	<0.01 mg/l	TM245		0.0381	<0.01
Aliphatics >C6-C8	<0.01 mg/l	TM245		0.755	<0.01
Aliphatics >C8-C10	<0.01 mg/l	TM245		<0.01	<0.01
Aliphatics >C10-C12	<0.01 mg/l	TM245		<0.01	<0.01
Total Aliphatics >C5-C12	<0.01 mg/l	TM245		0.793	<0.01
Aromatics >C6-C7	<0.01 mg/l	TM245		<0.01	<0.01
Aromatics >C7-C8	<0.01 mg/l	TM245		<0.01	<0.01
Aromatics >EC8-EC10	<0.01 mg/l	TM245		<0.01	<0.01
Aromatics >EC10-EC12	<0.01 mg/l	TM245		<0.01	<0.01
Total Aromatics >C6-C12	<0.01 mg/l	TM245		<0.01	<0.01

Validated

ALcontrol Laboratories Analytical Services

SDG:	100820-109	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94926

VOC MS (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSC04	WSC08
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	18/08/2010	18/08/2010
			Date Received	20/08/2010	20/08/2010
			SDG Ref	100820-109	100820-109
			Lab Sample No.(s)	1985060	1985144
			AGS Reference		
Dibromofluoromethane**	%	TM208		109	109
Toluene-d8**	%	TM208		99.9	99.5
4-Bromofluorobenzene**	%	TM208		103	103
Dichlorodifluoromethane	<0.007 mg/l	TM208		<0.007 #	<0.007 #
Chloromethane	<0.009 mg/l	TM208		<0.009 #	<0.009 #
Vinyl chloride	<0.0012 mg/l	TM208		0.126 #	<0.0012 #
Bromomethane	<0.002 mg/l	TM208		<0.002 #	<0.002 #
Chloroethane	<0.0025 mg/l	TM208		<0.0025 #	<0.0025 #
Trichlorofluoromethane	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #
1,1-Dichloroethene	<0.0012 mg/l	TM208		0.00674 #	<0.0012 #
Carbon disulphide	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #
Dichloromethane	<0.0037 mg/l	TM208		<0.0037 #	<0.0037 #
Methyl tertiary butyl ether (MTBE)	<0.0016 mg/l	TM208		0.0308 #	<0.0016 #
trans-1,2-Dichloroethene	<0.0019 mg/l	TM208		0.046 #	<0.0019 #
1,1-Dichloroethane	<0.0012 mg/l	TM208		<0.0012 #	<0.0012 #
cis-1,2-Dichloroethene	<0.0023 mg/l	TM208		2.36 #	<0.0023 #
2,2-Dichloropropane	<0.0038 mg/l	TM208		<0.0038 #	<0.0038 #
Bromochloromethane	<0.0019 mg/l	TM208		<0.0019 #	<0.0019 #
Chloroform	<0.0018 mg/l	TM208		<0.0018 #	<0.0018 #
1,1,1-Trichloroethane	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #
1,1-Dichloropropene	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #
Carbontetrachloride	<0.0014 mg/l	TM208		<0.0014 #	<0.0014 #
1,2-Dichloroethane	<0.0033 mg/l	TM208		<0.0033	<0.0033
Benzene	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #
Trichloroethene	<0.0025 mg/l	TM208		0.682 #	<0.0025 #
1,2-Dichloropropane	<0.003 mg/l	TM208		<0.003 #	<0.003 #
Dibromomethane	<0.0027 mg/l	TM208		<0.0027 #	<0.0027 #
Bromodichloromethane	<0.0009 mg/l	TM208		<0.0009 #	<0.0009 #
cis-1,3-Dichloropropene	<0.0019 mg/l	TM208		<0.0019 #	<0.0019 #
Toluene	<0.0014 mg/l	TM208		<0.0014 #	<0.0014 #
trans-1,3-Dichloropropene	<0.0035 mg/l	TM208		<0.0035 #	<0.0035 #
1,1,2-Trichloroethane	<0.0022 mg/l	TM208		<0.0022 #	<0.0022 #
1,3-Dichloropropane	<0.0022 mg/l	TM208		<0.0022 #	<0.0022 #
Tetrachloroethene	<0.0015 mg/l	TM208		<0.0015 #	<0.0015 #
Dibromochloromethane	<0.0017 mg/l	TM208		<0.0017 #	<0.0017 #
1,2-Dibromoethane	<0.0023 mg/l	TM208		<0.0023 #	<0.0023 #
Chlorobenzene	<0.0035 mg/l	TM208		<0.0035 #	<0.0035 #
1,1,1,2-Tetrachloroethane	<0.0013 mg/l	TM208		<0.0013 #	<0.0013 #
Ethylbenzene	<0.0025 mg/l	TM208		<0.0025 #	<0.0025 #

SDG:	100820-109	**Customer:**	Entec UK - MOD Ltd
Job:	H_ENTEC_MOD-12	**Attention:**	Simon Howard
Client Reference:	26999	**Order No.:**	228113
Location:		**Report No:**	94926

VOC MS (W)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of the individual compounds within the samples are not corrected for this recovery.

Component	LOD/Units	Method	Customer Sample Ref.	WSC04	WSC08
			Depth (m)		
			Sample Type	Water(GW/SW)	Water(GW/SW)
			Date Sampled	18/08/2010	18/08/2010
			Date Received	20/08/2010	20/08/2010
			SDG Ref	100820-109	100820-109
			Lab Sample No.(s)	1985060	1985144
			AGS Reference		
m,p-Xylene	<0.0025 mg/l	TM208		<0.0025 #	<0.0025 #
o-Xylene	<0.0017 mg/l	TM208		<0.0017 #	<0.0017 #
Styrene	<0.0012 mg/l	TM208		<0.0012 #	<0.0012 #
Bromoform	<0.003 mg/l	TM208		<0.003 #	<0.003 #
Isopropylbenzene	<0.0014 mg/l	TM208		<0.0014 #	<0.0014 #
1,1,2,2-Tetrachloroethane	<0.0052 mg/l	TM208		<0.0052	<0.0052
1,2,3-Trichloropropane	<0.0078 mg/l	TM208		<0.0078 #	<0.0078 #
Bromobenzene	<0.002 mg/l	TM208		<0.002 #	<0.002 #
Propylbenzene	<0.0026 mg/l	TM208		<0.0026 #	<0.0026 #
2-Chlorotoluene	<0.0019 mg/l	TM208		<0.0019 #	<0.0019 #
1,3,5-Trimethylbenzene	<0.0018 mg/l	TM208		<0.0018 #	<0.0018 #
4-Chlorotoluene	<0.0019 mg/l	TM208		<0.0019 #	<0.0019 #
tert-Butylbenzene	<0.002 mg/l	TM208		<0.002 #	<0.002 #
1,2,4-Trimethylbenzene	<0.0017 mg/l	TM208		<0.0017 #	<0.0017 #
sec-Butylbenzene	<0.0017 mg/l	TM208		<0.0017 #	<0.0017 #
4-iso-Propyltoluene	<0.0026 mg/l	TM208		<0.0026 #	<0.0026 #
1,3-Dichlorobenzene	<0.0022 mg/l	TM208		<0.0022 #	<0.0022 #
1,4-Dichlorobenzene	<0.0027 mg/l	TM208		<0.0027 #	<0.0027 #
n-Butylbenzene	<0.002 mg/l	TM208		<0.002 #	<0.002 #
1,2-Dichlorobenzene	<0.0037 mg/l	TM208		<0.0037	<0.0037
1,2-Dibromo-3-chloropropane	<0.0098 mg/l	TM208		<0.0098	<0.0098
1,2,4-Trichlorobenzene	<0.0023 mg/l	TM208		<0.0023 #	<0.0023 #
Hexachlorobutadiene	<0.0025 mg/l	TM208		<0.0025 #	<0.0025 #
tert-Amyl methyl ether (TAME)	<0.001 mg/l	TM208		<0.001 #	<0.001 #
Naphthalene	<0.0035 mg/l	TM208		<0.0035 #	<0.0035 #
1,2,3-Trichlorobenzene	<0.0031 mg/l	TM208		<0.0031 #	<0.0031 #
1,3,5-Trichlorobenzene	<0.01 mg/l	TM208		<0.01	<0.01

Table of Results - Appendix

SDG Number : 100820-109 **Client :** Entec UK - MOD Ltd **Client Ref :** 26999

REPORT KEY

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03x10-7

NDP	No Determination Possible	#	ISO 17025 Accredited	*	Subcontracted Test	M	MCERTS Accredited
NFD	No Fibres Detected	PFD	Possible Fibres Detected	»	Result previously reported (Incremental reports only)	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control

Method No	Reference	Description	Wet/Dry Sample [1]
TM061	Method for the Determination of EPH,Massachusetts Dept.of EP, 1998	Determination of Extractable Petroleum Hydrocarbons by GC-FID (C10-C40)	
TM099	BS 2690: Part 7:1968 / BS 6068: Part2.11:1984	Determination of Ammonium in Water Samples using the Kone Analyser	
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS	
TM172	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	EPH in Waters	
TM174	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Waters by GC-FID	
TM176	EPA 8270D Semi-Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	Determination of SVOCs in Water by GCMS	
TM178	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS in Waters	
TM183	BS EN 23506:2002, (BS 6068-2.74:2002) ISBN 0 580 38924 3	Determination of Trace Level Mercury in Waters and Leachates by PSA Cold Vapour Atomic Fluorescence Spectrometry	
TM184	EPA Methods 325.1 & 325.2,	The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	
TM208	Modified: US EPA Method 8260b & 624	Determination of Volatile Organic Compounds by Headspace / GC-MS in Waters	
TM226	In-House Method	Determination of Anions in Waters using Ion Chromatography	
TM245	By GC-FID	Determination of GRO by Headspace in waters	
TM256	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4.	Determination of pH in Water and Leachate using the GLpH pH Meter	

[1] Applies to Solid samples only. DRY indicates samples have been dried at 35°C. NA = not applicable.

APPENDIX

APPENDIX

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA Leach tests, flash point, ammonium as NH_4 by the BRE method, VOC TICS, SVOC TICS, TOF-MS SCAN/SEARCH and TOF-MS TICS.
2. Samples will be run in duplicate upon request, but an additional charge may be incurred.
3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for both soil jars, tubs and volatile jars. All waters and vials will be discarded 10 days after the analysis is completed (e-mailed). All material removed during an asbestos containing material screen and analysed for the presence of asbestos will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.
4. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.
5. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.
6. When requested, the individual sub sample scheduled will be screened in house for the presence of large asbestos containing material fragments/pieces. If no asbestos containing material is found this will be reported as 'no asbestos containing material detected'. If asbestos containing material is detected it will be removed and analysed by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If asbestos containing material is present no further analysis will be undertaken. At no point is the fibre content of the soil sample determined.
7. If no separate volatile sample is supplied by the client, the integrity of the data may be compromised if the laboratory is required to create a sub-sample from the bulk sample – similarly, if a headspace or sediment is present in the volatile sample. This will be flagged up as an invalid VOC on the test schedule or recorded on the log sheet.
8. If appropriate preserved bottles are not received preservation will take place on receipt. However, the integrity of the data may be compromised.
9. NDP – No determination possible due to insufficient/unsuitable sample.
10. Metals in water are performed on a filtered sample, and therefore represent dissolved metals – total metals must be requested separately.
11. A table containing the date of analysis for each parameter is not routinely included with the report, but is available upon request.
12. Results relate only to the items tested
13. **Surrogate recoveries** – Most of our organic methods include surrogates, the recovery of which is monitored and reported. For EPH, MO, PAH, GRO and VOCs on soils the result is not surrogate corrected, but a percentage recovery is quoted. Acceptable limits for most organic methods are 70 – 130 %.
14. **Product analyses** – Organic analyses on products can only be semi-quantitative due to the matrix effects and high dilution factors employed.
15. Phenols monohydric by HPLC include phenol, cresols (2-Methylphenol, 3-Methylphenol and 4-Methylphenol) and Xylenols (2,3 Dimethylphenol, 2,4 Dimethylphenol, 2,5 Dimethylphenol, 2,6 Dimethylphenol, 3,4 Dimethyphenol, 3,5 Dimethylphenol).
16. Total of 5 speciated phenols by HPLC includes Phenol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 14).
17. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.
18. Our MCERTS accreditation for PAHs by GCMS applies to all product types apart from Kerosene, where naphthalene only is not accredited.
19. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.
19. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.
20. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.
21. For all leachate preparations (NRA, DIN, TCLP, BSEN 12457-1, 2, 3) volatile loss may occur, as we do not employ zero headspace extraction.
22. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials – whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.
23. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C4 – C10 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

LIQUID MATRICES EXTRACTION SUMMARY

ANALYSIS	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
PAH MS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
EPH	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
EPH CWG	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
MINERAL OIL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
PCB 7 CONGENERS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
PCB TOTAL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GS MS
SVOC	DCM	LIQUID/LIQUID SHAKE	GC MS
FREE SULPHUR	DCM	SOLID PHASE EXTRACTION	HPLC
PEST OCP/OPP	DCM	LIQUID/LIQUID SHAKE	GC MS
TRIAZINE HERBS	DCM	LIQUID/LIQUID SHAKE	GC MS
PHENOLS MS	DCM	SOLID PHASE EXTRACTION	GC MS
TPH by INFRA RED (IR)	TCE	LIQUID/LIQUID EXTRACTION	HPLC
MINERAL OIL by IR	TCE	LIQUID/LIQUID EXTRACTION	HPLC
GLYCOLS	NONE	DIRECT INJECTION	GC FID

SOLID MATRICES EXTRACTION SUMMARY

ANALYSIS	D/C OR WET	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
Solvent Extractable Matter	D&C	DCM	SOXTHERM	GRAVIMETRIC
Cyclohexane Ext. Matter	D&C	CYCLOHEXANE	SOXTHERM	GRAVIMETRIC
Thin Layer Chromatography	D&C	DCM	SOXTHERM	IATROSCAN
Elemental Sulphur	D&C	DCM	SOXTHERM	HPLC
Phenols by GCMS	WET	DCM	SOXTHERM	GC-MS
Herbicides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
Pesticides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
EPH (DRO)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Min oil)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Cleaned up)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH CWG by GC	D&C	HEXANE:ACETONE	END OVER END	GC-FID
PCB tot / PCB con	D&C	HEXANE:ACETONE	END OVER END	GC-MS
Polyaromatic Hydrocarbons (MS)	WET	HEXANE:ACETONE	Microwave TM218.	GC-MS
C8-C40 (C6-C40)EZ Flash	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Polyaromatic Hydrocarbons Rapid GC	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Semi Volatile Organic Compounds	WET	DCM:ACETONE	SONICATE	GC-MS

Identification of Asbestos in Bulk Materials

The results for asbestos identification for soil samples are obtained from possible Asbestos Containing Material, removed during the 'Screening of soils for Asbestos Containing Materials', which have been examined to determine the presence of asbestos fibres using Alcontrol Laboratories (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Visual Estimation Of Fibre Content.

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: -

Trace – Where only one or two asbestos fibres were identified.

Further guidance on typical asbestos fibre content of manufactured products can be found in MDHS 100.

The identification of asbestos containing materials falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Annex F
Radiological Trial Pit Logs

3 Pages

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Trial Pit: **HDPER1**

Project: **DSDC: Bicester**

Client: **Defence Estates**

Project No: **2b999**

Sheet 1 of 1

Contractor :

Excavator : **Spade**

Dimensions : **0.3m x 0.3m**

Ground Level m AOD

Co-Ordinates: E **457927.6**
N **220499.1**

Date Excavated. **16/07/2010**

Depth mbgl	Trial Pit Log Strata Description	Legend	(Thickness)	m AOD	Water Strikes	Sample Type	Sample Depth
	MADE GROUND: Dark brown sandy topsoil with gravel and much organic material and many concrete cobbles.						
0.1			(0.20)				
0.2	MADE GROUND: Black ash with wood, glass, metal and some clinker.						
0.3	... more metal fragments with depth. Excavated material readings 700cps Max down hole reading 800cps		(0.25)				
0.4							
	Yellowish brown CLAY.		(0.05)				
0.5	Hand dug pit completed at 0.45m bgl.						
0.6							
0.7							
0.8							
0.9							
1							

General Remarks: **Surface reading = 800cps**
All count readings from 2" NaI detector

Logged By. **MFFL** | All Dimensions in Metres | Scale. 1:5

Entec

Trial Pit: **HDPER2**

Sheet 1 of 1

Project: **DSDC: Hicester**

Client: **Defence Estates**

Project No: **26999**

Contractor :

Excavator : **Spade**

Dimensions : **0.3m x 0.5m**

Ground Level m AOD

Co-Ordinates: E 457924.6
N 220517.2

Date Excavated: **16/07/2010**

Trial Pit Log

Depth (mbgl)	Strata Description	Legend	(Thick ness)	m AOD	Water Strikes	Sample Type	Sample Data
	MADE GROUND: Firm yellowish brown clay with some brick and concrete gravel. (1860ppb).						
0.1			(0.28)				
0.2							
0.3	MADE GROUND: Grey and reddish brown ash with occasional rusted metal, wood fragments, glass and clinker. Metal and glass content increases with depth. Excavated natural readings 0.25 0.4m bgl = 700ppb 0.4 0.6m bgl 700ppb						
0.4			(0.35)				
0.5							
0.6	At 0.6m bgl small (1") broken ceramic looking disc (38000ppb). Placed in soil tub and returned at location. Yellow SAND and GRAVEL. Hand dug pit completed at 0.6m bgl.		(0.03)				
0.7							
0.8							
0.9							
1							

General Remarks: Suface reading = 340ppb
All count readings from 2" NaI detector

Logged by: **MIFFL**

All Dimensions in Metres

Scale: 1:5

Entec

Trial Pit **HDPER3**

Sheet 1 of 1

Project: **DSHC Bicester**

Client: **Defence Estates** Project No: **26999**

Contractor :

Excavator : **Spade**

Dimensions : **0.3m x 0.3m**

Ground Level m AOD

Co-Ordinates: E **457946.0**
N **220489.0**

Date Excavated: **16/07/2010**

Depth (mbgl)	Trial Pit Log Strata Description	Legend	(Thickness)	m AOD	Water Strikes	Sample Type	Sample No.
	MADE GROUND: Firm yellowish brown clay with some brick and concrete gravel. (180cps).						
0.1			(0.20)				
0.2	MADE GROUND: Light brown sandy gravelly clay with some ashy material, glass and metal. (200cps).						
0.3			(0.20)				
0.4	Yellowish brown CLAY.		(0.01)				
	Hand pit completed at 0.4m bgl.						
0.5							
0.6							
0.7							
0.8							
0.9							
1							

General Remarks: Surface reading = 180cps
No material with elevated activity encountered in pit.
All count readings from 2" NaI detector
Approximate grid coordinates

Logged By: **MIFFI.** All Dimensions in Metres Scale: **1:5**

Annex G
Environmental Risk Assessment Tables

26 Pages

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Table G1: Summary of Potential Environmental Risks

Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
1	Former vehicle fuelling areas D18 and E11	Hydrocarbons (fuels, lubricants and PAHs)	Site Visitors/Users (Commercial/Industrial)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Vicinity of former fuelling areas in now paved over and used as a car park, decreasing the likelihood of this pollutant linkage. The Ph2 LQA investigation revealed no exceedances of the screening criteria used for hydrocarbons from soil samples from this area.
2	Former vehicle fuelling areas D18 and E11	Hydrocarbons (fuels, lubricants and PAHs)	Construction and Maintenance Workers	Dermal contact Ingestion Inhalation	Toxic: carcinogenic impact	Medium	Low	Moderate / Low	The risk to construction/maintenance workers from ground contamination is greater due to direct contact with potentially contaminated material. The risk may be mitigated through use of appropriate PPE and control measures. The Ph2 LQA investigation revealed no exceedances of the screening criteria used for hydrocarbons from soil samples from this area.
3	Former vehicle fuelling areas D18 and E11	Hydrocarbons (fuels, lubricants and PAHs)	Future Site Users (Commercial/Industrial)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Redevelopment to commercial/industrial end use is likely to result in a generally low likelihood of contact with residual contamination. The Ph2 LQA investigation revealed no exceedances of the screening criteria used for hydrocarbons from soil samples from this area.
4	Former vehicle fuelling areas D18 and E11	Hydrocarbons (fuels, lubricants and PAHs)	Future Site Users (Residential)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Low	Moderate / Low	Redevelopment to residential end use may result in a greater likelihood of exposure to contamination. The Ph2 LQA investigation revealed no exceedances of the screening criteria used for hydrocarbons from soil samples from this area.
5	Former vehicle fuelling areas D18 and E11	Hydrocarbons (fuels, lubricants and PAHs)	Neighbouring Site Users	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to neighbouring site users is unlikely, given the distance involved and the low permeability of the underlying geology. The Ph2 LQA investigation revealed no exceedances of the screening criteria used for hydrocarbons from soil samples from this area.
6	Former vehicle fuelling areas D18 and E11	Hydrocarbons (fuels, lubricants and PAHs)	Groundwater (secondary aquifer and unproductive strata)	Leaching Migration	Groundwater contamination	Mild	Unlikely	Negligible	Potential sources located on negligible permeability strata.

Table G1: Summary of Potential Environmental Risks

Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
7	Former vehicle fuelling areas D18 and E11	Hydrocarbons (fuels, lubricants and PAHs)	Surface Water (site drainage ditches, Langford Brook)	Leaching Migration Runoff	Water pollution	Medium	Low	Moderate / Low	Potential sources located on negligible permeability strata, and vicinity of former fuelling areas in now paved over and used as a car park, therefore limiting the likelihood of this pollutant linkage. Discharge point located away from fuel storage areas. The Phase 2 LQA investigation only revealed slight exceedences for hydrocarbon screening criteria.
8	Former vehicle fuelling areas D18 and E11	Hydrocarbons (fuels, lubricants and PAHs)	Ecological Receptors	Uptake Direct contact	Phytotoxicity Toxic	Mild	Unlikely	Negligible	Migration of contaminants associated with this potential source to nearby receptors is unlikely, given the distance involved and the low permeability of the underlying geology.
9	Former vehicle fuelling areas D18 and E11	Hydrocarbons (fuels, lubricants and PAHs)	Agricultural Receptors	Uptake Direct contact	Phytotoxicity Toxic	Mild	Unlikely	Negligible	Migration of contaminants associated with this potential source to nearby receptors is unlikely, given the distance involved and the low permeability of the underlying geology.
10	Former vehicle fuelling areas D18 and E11	Hydrocarbons (fuels, lubricants and PAHs)	Buildings and Buried Services (current and future)	Direct contact Vapour Migration	Degradation	Mild	Low	Low	Area is paved over, no buildings in vicinity. Design of new structures in this area may need to consider this potential contaminant source.
11	Former railway workshops D6 and D9	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Site Visitors/Users (Commercial/Industrial)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Former workshops are now dry goods stores and are paved throughout, decreasing the likelihood of this pollutant linkage. The Ph2 LQA investigation revealed generally only occasional and slight exceedances of the metals, hydrocarbons and VOC screening criteria used for soil and water samples from this area. Asbestos detected in one the soil samples screened.
12	Former railway workshops D6 and D9	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Construction and Maintenance Workers	Dermal contact Ingestion Inhalation	Toxic: carcinogenic impact	Medium	Low	Moderate / Low	The risk to construction/maintenance workers from ground contamination is greater due to direct contact with potentially contaminated material. The risk may be mitigated through use of appropriate PPE and control measures. The Ph2 LQA investigation revealed generally only occasional and slight exceedances of the metals, hydrocarbons and VOC screening criteria used for soil and water samples from this area. Asbestos was detected in one of the soil samples screened.

Table G1: Summary of Potential Environmental Risks

Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
13	Former railway workshops D6 and D9	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Future Site Users (Commercial/Industrial)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Redevelopment to commercial/industrial end use is likely to result in a generally low likelihood of contact with residual contamination. Former workshops are paved throughout, decreasing the likelihood of this pollutant linkage. The Ph2 LQA investigation revealed generally only occasional and slight exceedances of the metals, hydrocarbons and VOC screening criteria used for soil and water samples from this area. Asbestos was detected in one of the soil samples screened.
14	Former railway workshops D6 and D9	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Future Site Users (Residential)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Low	Moderate / Low	Redevelopment to residential end use may result in a greater likelihood of exposure to contamination. The Ph2 LQA investigation revealed generally only occasional and slight exceedances of the metals, hydrocarbons and VOC screening criteria used for soil and water samples from this area. Asbestos was detected in one of the soil samples screened.
15	Former railway workshops D6 and D9	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Neighbouring Site Users	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to neighbouring site users is unlikely, given the distance involved and the low permeability of the underlying geology. The Ph2 LQA investigation revealed generally only occasional and slight exceedances of the metals, hydrocarbons and VOC screening criteria used for soil and water samples from this area. Asbestos was detected in one of the soil samples screened.
16	Former railway workshops D6 and D9	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Groundwater (secondary aquifer and unproductive strata)	Leaching Migration	Groundwater contamination	Mild	Unlikely	Negligible	Potential sources located on negligible permeability strata. The Ph2 LQA investigation revealed generally only occasional and slight exceedances of the metals and hydrocarbons screening criteria used for water samples from this area.

Table G1: Summary of Potential Environmental Risks

Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
17	Former railway workshops D6 and D9	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Surface Water (site drainage ditches, Langford Brook)	Leaching Migration Runoff	Water pollution	Medium	Unlikely	Low	Potential sources located on negligible permeability strata, and former workshops are now dry good stores and are paved throughout, decreasing the likelihood of this pollutant linkage. The Ph2 LQA investigation revealed generally only occasional and slight exceedances of the metals and hydrocarbons screening criteria used for water samples from this area.
18	Former railway workshops D6 and D9	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Ecological Receptors	Uptake Direct contact	Phytotoxicity Toxic	Mild	Unlikely	Negligible	Migration of contaminants associated with this potential source to nearby receptors is unlikely, given the distance involved and the low permeability of the underlying geology.
19	Former railway workshops D6 and D9	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Agricultural Receptors	Uptake Direct contact	Phytotoxicity Toxic	Mild	Unlikely	Negligible	Migration of contaminants associated with this potential source to nearby receptors is unlikely, given the distance involved and the low permeability of the underlying geology.
20	Former railway workshops D6 and D9	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Buildings and Buried Services (current and future)	Direct contact Vapour Migration	Degradation	Mild	Low	Low	Area is paved over. Design of new structures in this area may need to consider this potential contaminant source.
21	Former fire training building E20	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Site Visitors/Users (Commercial/Industrial)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Building no longer used, decreasing the likelihood of this pollutant linkage. The Ph2 LQA investigation revealed no exceedances of the metals and hydrocarbons screening criteria used for soil samples from this area. Asbestos was not detected in the soil sample screened.
22	Former fire training building E20	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Construction and Maintenance Workers	Dermal contact Ingestion Inhalation	Toxic: carcinogenic impact	Medium	Unlikely	Low	The risk to construction/maintenance workers from ground contamination is greater due to direct contact with potentially contaminated material. The risk may be mitigated through use of appropriate PPE and control measures. The Ph2 LQA investigation revealed no exceedances of the metals and hydrocarbons screening criteria used for soil samples from this area. Asbestos was not detected in the soil sample screened.

Table G1: Summary of Potential Environmental Risks

Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
23	Former fire training building E20	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Future Site Users (Commercial/Industrial)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Redevelopment to commercial/industrial end use is likely to result in a generally low likelihood of contact with residual contamination. The Ph2 LQA investigation revealed no exceedances of the metals and hydrocarbons screening criteria used for soil samples from this area. Asbestos was not detected in the soil sample screened.
24	Former fire training building E20	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Future Site Users (Residential)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Low	Moderate / Low	Redevelopment to residential end use may result in a greater likelihood of exposure to contamination. The Ph2 LQA investigation revealed no exceedances of the metals and hydrocarbons screening criteria used for soil samples from this area. Asbestos was not detected in the soil sample screened.
25	Former fire training building E20	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Neighbouring Site Users	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to neighbouring site users is unlikely, given the distance involved and the low permeability of the underlying geology. The Ph2 LQA investigation revealed no exceedances of the metals and hydrocarbons screening criteria used for soil samples from this area. Asbestos was not detected in the soil samples screened.
26	Former fire training building E20	Hydrocarbons (fuels, lubricants and PAHs)	Groundwater (secondary aquifer and unproductive strata)	Leaching Migration	Groundwater contamination	Mild	Unlikely	Negligible	Potential sources located on negligible permeability strata.
27	Former fire training building E20	Hydrocarbons (fuels, lubricants and PAHs)	Surface Water (site drainage ditches, Langford Brook)	Leaching Migration Runoff	Water pollution	Medium	Low	Moderate / Low	Potential sources located on negligible permeability strata, limiting the likelihood of this pollutant linkage.
28	Former fire training building E20	Hydrocarbons (fuels, lubricants and PAHs)	Ecological Receptors	Uptake Direct contact	Phytotoxicity Toxic	Mild	Unlikely	Negligible	Migration of contaminants associated with this potential source to nearby receptors is unlikely, given the distance involved and the low permeability of the underlying geology.

Table G1: Summary of Potential Environmental Risks

Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
29	Former fire training building E20	Hydrocarbons (fuels, lubricants and PAHs)	Agricultural Receptors	Uptake Direct contact	Phytotoxicity Toxic	Mild	Unlikely	Negligible	Migration of contaminants associated with this potential source to nearby receptors is unlikely, given the distance involved and the low permeability of the underlying geology.
30	Former fire training building E20	Hydrocarbons (fuels, lubricants and PAHs)	Buildings and Buried Services (current and future)	Direct contact Vapour Migration	Degradation	Mild	Low	Low	Area is paved over. Design of new structures in this area may need to consider this potential contaminant source.
31	Former waste tip near E15	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Site Visitors/Users (Commercial/Industrial)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Area no longer used and relatively inaccessible, decreasing the likelihood of this pollutant linkage. The Ph2 LQA investigation revealed only occasional and generally slight exceedances of the metals and hydrocarbons screening criteria used for soil samples from this area. Asbestos was not detected in the soil samples screened.
32	Former waste tip near E15	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Construction and Maintenance Workers	Dermal contact Ingestion Inhalation	Toxic: carcinogenic impact	Medium	Low	Moderate / Low	The risk to construction/maintenance workers from ground contamination is greater due to direct contact with potentially contaminated material. The risk may be mitigated through use of appropriate PPE and control measures. The Ph2 LQA investigation revealed only occasional and generally slight exceedances of the metals and hydrocarbons screening criteria used for soil samples from this area. Asbestos was not detected in the soil samples screened.
33	Former waste tip near E15	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Future Site Users (Commercial/Industrial)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Low	Moderate / Low	Redevelopment to commercial/industrial end use is likely to result in a generally low likelihood of contact with residual contamination. The Ph2 LQA investigation revealed only occasional and generally slight exceedances of the metals, hydrocarbons and VOCs screening criteria used for soil samples from this area. Asbestos was not detected in the soil samples screened.

Table G1: Summary of Potential Environmental Risks

Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
34	Former waste tip near E15	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Future Site Users (Residential)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Likely	Moderate	Redevelopment to residential end use may result in a greater likelihood of contamination. Existing site investigation in this area indicated elevated metals and slightly elevated hydrocarbons within soil samples. The Ph2 LQA investigation revealed only occasional and generally slight exceedances of the metals, hydrocarbons and VOC screening criteria used for soil samples from this area. However, the investigation did indicate that the Made Ground comprised predominantly ashy material. Asbestos was not detected in the soil samples screened.
35	Former waste tip near E15	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Neighbouring Site Users	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to neighbouring site users is unlikely, given the distance involved and the low permeability of the underlying geology. The Ph2 LQA investigation revealed only occasional and generally slight exceedances of the metals and hydrocarbons screening criteria used for soil samples from this area. Asbestos was not detected in the soil samples screened.
36	Former waste tip near E15	Hydrocarbons (fuels, lubricants and PAHs)	Groundwater (secondary aquifer and unproductive strata)	Leaching Migration	Groundwater contamination	Mild	Unlikely	Negligible	Potential sources located on negligible permeability strata.
37	Former waste tip near E15	Hydrocarbons (fuels, lubricants and PAHs)	Surface Water (site drainage ditches, Langford Brook)	Leaching Migration Runoff	Water pollution	Medium	Likely	Moderate	A ditch runs directly through this tipped area. Exceedance of the WQT for benzo(a)pyrene was noted in the surface water sample obtained from this area.
38	Former waste tip near E15	Hydrocarbons (fuels, lubricants and PAHs)	Ecological Receptors	Uptake Direct contact	Phytotoxicity Toxic	Mild	Low	Low	Migration of contaminants associated with this potential source to nearby receptors is of a generally low likelihood, given the distance involved and the low permeability of the underlying geology.

Table G1: Summary of Potential Environmental Risks

Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
39	Former waste tip near E15	Hydrocarbons (fuels, lubricants and PAHs)	Agricultural Receptors	Uptake Direct contact	Phytotoxicity Toxic	Mild	Unlikely	Negligible	Migration of contaminants associated with this potential source to nearby receptors is unlikely, given the distance involved and the low permeability of the underlying geology.
40	Former waste tip near E15	Hydrocarbons (fuels, lubricants and PAHs)	Buildings and Buried Services (current and future)	Direct contact	Degradation Vapour Accumulation	Mild	Unlikely	Negligible	No structures and few services present in area. Design of new structures in this area will need to consider this potential contaminant source.
41	Former waste tip near E15	Landfill gas	Site Visitors/Users (Commercial/Industrial)	Vapour Migration Ingestion	Toxic Explosion	Severe	Unlikely	Moderate / Low	Previous reports indicate wastes date from pre 1980's and are therefore unlikely to still be generating significant quantities of landfill gas. Gas monitoring of installations in this area from Phase 2 LQA reveals no methane and little or no VOCs, although some carbon dioxide up to around 4% was detected.
42	Former waste tip near E15	Landfill gas	Construction and Maintenance Workers	Vapour Migration Inhalation	Toxic Explosion	Severe	Unlikely	Moderate / Low	The risk to construction/maintenance workers from ground contamination is greater due to direct contact with potentially contaminated material. The risk may be mitigated through use of appropriate PPE and control measures. Gas monitoring of installations in this area from Phase 2 LQA reveals no methane and little or no VOCs, although some carbon dioxide up to around 4% was detected.
43	Former waste tip near E15	Landfill gas	Future Site Users (Commercial/Industrial)	Vapour Migration Inhalation	Toxic Explosion	Severe	Unlikely	Moderate / Low	Previous reports indicate wastes date from pre 1980's and are therefore unlikely to still be generating significant quantities of landfill gas. Gas monitoring of installations in this area from Phase 2 LQA reveals no methane and little or no VOCs, although some carbon dioxide up to around 4% was detected.
44	Former waste tip near E15	Landfill gas	Future Site Users (Residential)	Vapour Migration Inhalation	Toxic Explosion	Severe	Unlikely	Moderate / Low	Previous reports indicate wastes date from pre 1980's and are therefore unlikely to still be generating significant quantities of landfill gas. Gas monitoring of installations in this area from Phase 2 LQA reveals no methane and little or no VOCs, although some carbon dioxide up to around 4% was detected.

Table G1: Summary of Potential Environmental Risks

Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
45	Former waste tip near E15	Landfill gas	Neighbouring Site Users	Vapour Migration Inhalation	Toxic Explosion	Severe	Unlikely	Moderate / Low	Previous reports indicate wastes date from pre 1980's and are therefore unlikely to still be generating significant quantities of landfill gas. Negligible permeability of surrounding strata will inhibit lateral migration. Gas monitoring of installations in this area from Phase 2 LQA reveals no methane and little or no VOCs, although some carbon dioxide up to around 4% was detected.
46	Former waste tip near E15	Landfill gas	Ecological Receptors	Vapour Migration Inhalation Uptake	Phytotoxicity Explosion Toxic	Mild	Unlikely	Negligible	Previous reports indicate wastes date from pre 1980's and are therefore unlikely to still be generating significant quantities of landfill gas. Negligible permeability of surrounding strata will inhibit lateral migration. Gas monitoring of installations in this area from Phase 2 LQA reveals no methane and little or no VOCs, although some carbon dioxide up to around 4% was detected.
47	Former waste tip near E15	Landfill gas	Agricultural Receptors	Vapour Migration Inhalation Uptake	Phytotoxicity Explosion Toxic	Mild	Unlikely	Negligible	Previous reports indicate wastes date from pre 1980's and are therefore unlikely to still be generating significant quantities of landfill gas. Negligible permeability of surrounding strata will inhibit lateral migration. Gas monitoring of installations in this area from Phase 2 LQA reveals no methane and little or no VOCs, although some carbon dioxide up to around 4% was detected.
48	Former waste tip near E15	Landfill gas	Buildings and Buried Services (current and future)	Vapour Migration	Vapour Accumulation Explosion	Medium	Unlikely	Low	Previous reports indicate wastes date from pre 1980's and are therefore unlikely to still be generating significant quantities of landfill gas. Gas monitoring of installations in this area from Phase 2 LQA reveals no methane and little or no VOCs, although some carbon dioxide up to around 4% was detected.

Table G1: Summary of Potential Environmental Risks

Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
49	Former waste tip near E15	Radiological artefacts	Site Visitors/Users (Commercial/Industrial)	Irradiation	Toxic: chronic toxicity	Medium	Unlikely	Low	Previous partial investigation report indicates no radiological readings were above twice that of background levels. The outcome of the RadSurvey conducted revealed one diffuse area and one point source of radiological contamination in the E15 tip, with ra-226 activity concentration indicative of exempt waste and LLW respectively. However, this area is generally inaccessible to site users due to heavy vegetation and uneven ground, so exposure to radiological contaminants is unlikely.
50	Former waste tip near E15	Radiological artefacts	Construction and Maintenance Workers	Irradiation	Toxic: chronic toxicity	Medium	Low	Moderate / Low	The risk to construction/maintenance workers from ground contamination is greater due to direct contact with potentially contaminated material. The risk may be mitigated through use of appropriate PPE and control measures. The outcome of the RadSurvey conducted revealed one diffuse area and one point source of radiological contamination in the E15 tip, with ra-226 activity concentration indicative of exempt waste and LLW respectively.
51	Former waste tip near E15	Radiological artefacts	Future Site Users (Commercial/Industrial)	Irradiation	Toxic: chronic toxicity	Medium	Unlikely	Low	Redevelopment to commercial/industrial end use is likely to result in a generally low likelihood of contact with residual contamination. The outcome of the RadSurvey conducted revealed one diffuse area and one point source of radiological contamination in the E15 tip, with ra-226 activity concentration indicative of exempt waste and LLW respectively.
52	Former waste tip near E15	Radiological artefacts	Future Site Users (Residential)	Irradiation	Toxic: chronic toxicity	Medium	Low	Moderate / Low	Redevelopment to residential end use may result in a greater likelihood of contamination. The outcome of the RadSurvey conducted revealed one diffuse area and one point source of radiological contamination in the E15 tip, with ra-226 activity concentration indicative of exempt waste and LLW respectively.

Table G1: Summary of Potential Environmental Risks

Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
53	Former waste tip near E15	Radiological artefacts	Neighbouring Site Users	Irradiation	Toxic: chronic toxicity	Medium	Unlikely	Low	The outcome of the RadSurvey conducted revealed one diffuse area and one point source of radiological contamination in the E15 tip, with ra-226 activity concentration indicative of exempt waste and LLW respectively. However, the migration of contaminants associated with this potential source to neighbouring site users is unlikely, given the distance involved and the low permeability of the underlying geology.
54	Railway lines (site wide)	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Site Visitors/Users (Commercial/Industrial)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Much of the 1940's era railway lines and ash ballast has now been very recently replaced, limiting the likelihood of this pathway. Area not investigated as part of the risk-based Ph2 LQA.
55	Railway lines (site wide)	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Construction and Maintenance Workers	Dermal contact Ingestion Inhalation	Toxic: carcinogenic impact	Medium	Low	Moderate / Low	The risk to construction/maintenance workers from ground contamination is greater due to direct contact with potentially contaminated material. The risk may be mitigated through use of appropriate PPE and control measures. Area not investigated as part of the risk-based Ph2 LQA.
56	Railway lines (site wide)	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Future Site Users (Commercial/Industrial)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Redevelopment to commercial/industrial end use is likely to result in a generally low likelihood of contact with residual contamination. Area not investigated as part of the risk-based Ph2 LQA.
57	Railway lines (site wide)	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Future Site Users (Residential)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Redevelopment to residential end use may result in a greater likelihood of contamination. However, much of the 1940's era railway lines and ash ballast has now been very recently replaced, limiting the likelihood of this linkage. Area not investigated as part of the risk-based Ph2 LQA.
58	Railway lines (site wide)	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Neighbouring Site Users	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to neighbouring site users is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.

Table G1: Summary of Potential Environmental Risks

Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
59	Railway lines (site wide)	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Groundwater (secondary aquifer and unproductive strata)	Leaching Migration	Groundwater contamination	Mild	Unlikely	Negligible	Potential sources located on negligible permeability strata. Area not investigated as part of the risk-based Ph2 LQA.
60	Railway lines (site wide)	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Surface Water (site drainage ditches, Langford Brook)	Leaching Migration Runoff	Water pollution	Mild	Unlikely	Negligible	Potential sources located on negligible permeability strata, and much of the 1940's era railway lines and ash ballast has now been very recently replaced, limiting the likelihood of this pathway. Area not investigated as part of the risk-based Ph2 LQA.
61	Railway lines (site wide)	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Ecological Receptors	Uptake Direct contact	Phytotoxicity Toxic	Mild	Low	Low	Migration of contaminants associated with this potential source to nearby receptors is of low likelihood, given the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
62	Railway lines (site wide)	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Agricultural Receptors	Uptake Direct contact	Phytotoxicity Toxic	Mild	Unlikely	Negligible	Migration of contaminants associated with this potential source to nearby receptors is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
63	Railway lines (site wide)	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Buildings and Buried Services (current and future)	Direct contact Vapour Migration	Degradation Vapour Accumulation	Medium	Low	Moderate / Low	Design of new structures in the area of the railway lines may need to consider this potential contaminant source. Area not investigated as part of the risk-based Ph2 LQA, but sulphate concentrations in soils and waters are elevated across the site.

Table G1: Summary of Potential Environmental Risks

Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
64	POL stores and points, including fuel tanks (site wide)	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Site Visitors/Users (Commercial/Industrial)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Most fuel tanks are above ground. Those tanks below ground, including those at the BIFT and OSU have already been investigated, and found only slightly elevated phytotoxic metals and hydrocarbons in the soil samples obtained. Bunding around above ground fuel tanks is generally in good order. Water within bunds, where present, appeared clean. Some filling points appeared stained, but little evidence of staining on the ground. The Ph2 LQA investigation revealed generally only occasional and slight exceedances of the metals and hydrocarbons screening criteria used for soil and water samples from this area. Asbestos was however detected in two of the soil samples screened (WSD3 and WSE11).
65	POL stores and points, including fuel tanks (site wide)	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Construction and Maintenance Workers	Dermal contact Ingestion Inhalation	Toxic: carcinogenic impact	Medium	Low	Moderate / Low	The risk to construction/maintenance workers from ground contamination is greater due to direct contact with potentially contaminated material. The risk may be mitigated through use of appropriate PPE and control measures. The Ph2 LQA investigation revealed generally only occasional and slight exceedances of the metals and hydrocarbons screening criteria used for soil and water samples from this area. Asbestos was detected in two of the soil samples screened (WSD3 and WSE11).
66	POL stores and points, including fuel tanks (site wide)	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Future Site Users (Commercial/Industrial)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Redevelopment to commercial/industrial end use is likely to result in a generally low likelihood of contact with residual contamination. The Ph2 LQA investigation revealed generally only occasional and slight exceedances of the metals and hydrocarbons screening criteria used for soil and water samples from this area. Asbestos was however detected in two of the soil samples screened (WSD3 and WSE11).

Table G1: Summary of Potential Environmental Risks

Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
67	POL stores and points, including fuel tanks (site wide)	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Future Site Users (Residential)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Low	Moderate / Low	Redevelopment to residential end use may result in a greater likelihood of contamination. Most fuel tanks are above ground. Those tanks below ground, including those at the BIFT and OSU have already been investigated, and found only slightly elevated phytotoxic metals and hydrocarbons in the soil samples obtained. Bunding around above ground fuel tanks is generally in good order. Water within bunds, where present, appeared clean. Some filling points appeared stained, but little evidence of staining on the ground. It is likely that fuel tanks and associated infrastructure would be removed as part of any redevelopment for residential end use, limiting the likelihood of this pathway. The Ph2 LQA investigation revealed generally only occasional and slight exceedances of the metals and hydrocarbons screening criteria used for soil and water samples from this area. Asbestos was however detected in two of the soil samples screened (WSD3 and WSE11).
68	POL stores and points, including fuel tanks (site wide)	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Neighbouring Site Users	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to neighbouring site users is unlikely, given the distance involved and the low permeability of the underlying geology. The Ph2 LQA investigation revealed generally only occasional and slight exceedances of the metals and hydrocarbons screening criteria used for soil and water samples from this area. Asbestos was however detected in two of the soil samples screened (WSD3 and WSE11).
69	POL stores and points, including fuel tanks (site wide)	Hydrocarbons (fuels, lubricants and PAHs)	Groundwater (secondary aquifer and unproductive strata)	Leaching Migration	Groundwater contamination	Mild	Unlikely	Negligible	Potential sources located on negligible permeability strata. The Ph2 LQA investigation revealed generally only occasional and slight exceedances of the metals and hydrocarbons screening criteria used for water samples from this area.

Table G1: Summary of Potential Environmental Risks

Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
70	POL stores and points, including fuel tanks (site wide)	Hydrocarbons (fuels, lubricants and PAHs)	Surface Water (site drainage ditches, Langford Brook)	Leaching Migration Runoff	Water pollution	Medium	Low	Moderate / Low	Potential sources located on negligible permeability strata. Most fuel tanks are above ground. Those tanks below ground, including those at the BIFT and OSU have already been investigated, and found slightly elevated phytotoxic metals, soluble sulphates and hydrocarbons in the soil samples obtained. Bunding around above ground fuel tanks is generally in good order. Water within bunds, where present, appeared clean. Some filling points appeared stained, but little evidence of staining on the ground. The Ph2 LQA investigation revealed generally only occasional and slight exceedances of the hydrocarbons screening criteria used for water samples from this area.
71	POL stores and points, including fuel tanks (site wide)	Hydrocarbons (fuels, lubricants and PAHs)	Ecological Receptors	Uptake Direct contact	Phytotoxicity Toxic	Mild	Low	Low	Migration of contaminants associated with this potential source to nearby receptors is of a low likelihood, given the low permeability of the underlying geology.
72	POL stores and points, including fuel tanks (site wide)	Hydrocarbons (fuels, lubricants and PAHs)	Agricultural Receptors	Uptake Direct contact	Phytotoxicity Toxic	Mild	Unlikely	Negligible	Migration of contaminants associated with this potential source to nearby receptors is unlikely, given the distance involved and the low permeability of the underlying geology.
73	POL stores and points, including fuel tanks (site wide)	Hydrocarbons (fuels, lubricants and PAHs)	Buildings and Buried Services (current and future)	Direct contact Vapour Migration	Degradation	Mild	Low	Low	Design of new structures in the area of the fuel installations may need to consider this potential contaminant source.
74	Oil/water interceptors (site wide)	Hydrocarbons (fuels and lubricants)	Site Visitors/Users (Commercial/Industrial)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	No evidence of leakage and interceptors are understood to be regularly maintained, limiting the likelihood of this pathway. Area not investigated as part of the risk-based Ph2 LQA.
75	Oil/water interceptors (site wide)	Hydrocarbons (fuels and lubricants)	Construction and Maintenance Workers	Dermal contact Ingestion Inhalation	Toxic: carcinogenic impact Explosion	Medium	Low	Moderate / Low	The risk to construction/maintenance workers from ground contamination is greater due to direct contact with potentially contaminated material. The risk may be mitigated through use of appropriate PPE and control measures. Area not investigated as part of the risk-based Ph2 LQA.

Table G1: Summary of Potential Environmental Risks

Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
76	Oil/water interceptors (site wide)	Hydrocarbons (fuels and lubricants)	Future Site Users (Commercial/Industrial)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Redevelopment to commercial/industrial end use is likely to result in a generally low likelihood of contact with residual contamination. Area not investigated as part of the risk-based Ph2 LQA.
77	Oil/water interceptors (site wide)	Hydrocarbons (fuels and lubricants)	Future Site Users (Residential)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Redevelopment to residential end use may result in a greater likelihood of contamination. However, no evidence of leakage and interceptors are understood to be regularly maintained, limiting the likelihood of this pathway. Area not investigated as part of the risk-based Ph2 LQA.
78	Oil/water interceptors (site wide)	Hydrocarbons (fuels and lubricants)	Neighbouring Site Users	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to neighbouring site users is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
79	Oil/water interceptors (site wide)	Hydrocarbons (fuels and lubricants)	Groundwater (secondary aquifer and unproductive strata)	Leaching Migration	Groundwater contamination	Mild	Unlikely	Negligible	Potential sources located on negligible permeability strata. No evidence of leakage and interceptors are understood to be regularly maintained, limiting the likelihood of this pathway. Area not investigated as part of the risk-based Ph2 LQA.
80	Oil/water interceptors (site wide)	Hydrocarbons (fuels and lubricants)	Surface Water (site drainage ditches, Langford Brook)	Leaching Migration Runoff	Water pollution	Medium	Unlikely	Low	Potential sources located on negligible permeability strata, and no evidence of leakage and interceptors are understood to be regularly maintained, limiting the likelihood of this pathway. Area not investigated as part of the risk-based Ph2 LQA.
81	Oil/water interceptors (site wide)	Hydrocarbons (fuels and lubricants)	Ecological Receptors	Uptake Direct contact	Phytotoxicity Toxic	Mild	Unlikely	Negligible	Potential sources located on negligible permeability strata, and no evidence of leakage and interceptors are understood to be regularly maintained, limiting the likelihood of this pathway. Area not investigated as part of the risk-based Ph2 LQA.

Table G1: Summary of Potential Environmental Risks

Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
82	Oil/water interceptors (site wide)	Hydrocarbons (fuels and lubricants)	Agricultural Receptors	Uptake Direct contact	Phytotoxicity Toxic	Mild	Unlikely	Negligible	Potential sources located on negligible permeability strata, and no evidence of leakage and interceptors are understood to be regularly maintained, limiting the likelihood of this pathway. Area not investigated as part of the risk-based Ph2 LQA.
83	Oil/water interceptors (site wide)	Hydrocarbons (fuels and lubricants)	Buildings and Buried Services (current and future)	Direct contact Vapour Migration	Degradation Vapour Accumulation	Mild	Low	Low	Design of new structures in the may need to consider this potential contaminant source. Although area not investigated as part of the risk-based Ph2 LQA, sulphate concentrations in soils and waters are elevated across the site.
84	Areas of Made Ground: including D6/D9 and BIFT	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Site Visitors/Users (Commercial/Industrial)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Anecdotal information from site staff says this is likely to be surplus 'inert' fill material from trenching activities site-wide from when the sprinkler system was installed and/or site levelling activities. The Ph2 LQA investigation revealed no exceedances of the screening criteria used for metals or hydrocarbons from soil samples from this area. No asbestos was detected in the soil samples screened.
85	Areas of Made Ground: including D6/D9 and BIFT	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Construction and Maintenance Workers	Dermal contact Ingestion Inhalation	Toxic: carcinogenic impact	Medium	Unlikely	Low	The risk to construction/maintenance workers from ground contamination is greater due to direct contact with potentially contaminated material. The risk may be mitigated through use of appropriate PPE and control measures. The Ph2 LQA investigation revealed no exceedances of the screening criteria used for metals or hydrocarbons from soil samples from this area. No asbestos was detected in the soil samples screened.
86	Areas of Made Ground: including D6/D9 and BIFT	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Future Site Users (Commercial/Industrial)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Redevelopment to commercial/industrial end use is likely to result in a generally low likelihood of contact with residual contamination. The Ph2 LQA investigation revealed no exceedances of the screening criteria used for metals or hydrocarbons from soil samples from this area. No asbestos was detected in the soil samples screened.

Table G1: Summary of Potential Environmental Risks

Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
87	Areas of Made Ground: including D6/D9 and BIFT	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Future Site Users (Residential)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Low	Moderate / Low	Redevelopment to residential end use may result in a greater likelihood of contamination. However, anecdotal information from site staff says this is likely to be surplus 'inert' fill material from trenching activities site-wide from when the sprinkler system was installed and/or site levelling activities. The Ph2 LQA investigation revealed no exceedances of the screening criteria used for metals or hydrocarbons from soil samples from this area. No asbestos was detected in the soil samples screened.
88	Areas of Made Ground: including D6/D9 and BIFT	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Neighbouring Site Users	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to neighbouring site users is unlikely, given the distance involved and the low permeability of the underlying geology. The Ph2 LQA investigation revealed no exceedances of the screening criteria used for metals or hydrocarbons from soil samples from this area. No asbestos was detected in the soil samples screened.
89	Areas of Made Ground: including D6/D9 and BIFT	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Groundwater (secondary aquifer and unproductive strata)	Leaching Migration	Groundwater contamination	Mild	Unlikely	Negligible	Potential sources located on negligible permeability strata.
90	Areas of Made Ground: including D6/D9 and BIFT	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Surface Water (site drainage ditches, Langford Brook)	Leaching Migration Runoff	Water pollution	Medium	Low	Moderate / Low	Potential sources located on negligible permeability strata, and anecdotal information from site staff says this is likely to be surplus 'inert' fill material from trenching activities site-wide from when the sprinkler system was installed and/or site levelling activities, limiting the likelihood of this pathway.
91	Areas of Made Ground: including D6/D9 and BIFT	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Ecological Receptors	Uptake Direct contact	Phytotoxicity Toxic	Mild	Unlikely	Negligible	Migration of contaminants associated with this potential source to nearby receptors is unlikely, given the distance involved and the low permeability of the underlying geology.

Table G1: Summary of Potential Environmental Risks

Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
92	Areas of Made Ground: including D6/D9 and BIFT	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Agricultural Receptors	Uptake Direct contact	Phytotoxicity Toxic	Mild	Unlikely	Negligible	Migration of contaminants associated with this potential source to nearby receptors is unlikely, given the distance involved and the low permeability of the underlying geology.
93	Areas of Made Ground: including D6/D9 and BIFT	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Buildings and Buried Services (current and future)	Direct contact Vapour Migration	Degradation	Mild	Low	Low	Design of new structures in the area may need to consider this potential contaminant source.
94	Areas of Made Ground: including D6/D9 and BIFT	Radiological artefacts	Site Visitors/Users (Commercial/Industrial)	Irradiation	Toxic: chronic toxicity	Medium	Unlikely	Low	Anecdotal information from site staff says this is likely to be surplus 'inert' fill material from trenching activities site-wide from when the sprinkler system was installed and/or site levelling activities. The outcome of the RadSurvey conducted revealed only a single point source in the BIFT compound, although the ra-226 activity concentration was below that of both exempt waste and LLW and the source is likely to be natural in origin.
95	Areas of Made Ground: including D6/D9 and BIFT	Radiological artefacts	Construction and Maintenance Workers	Irradiation	Toxic: chronic toxicity	Medium	Unlikely	Low	The risk to construction/maintenance workers from ground contamination is greater due to direct contact with potentially contaminated material. The risk may be mitigated through use of appropriate PPE and control measures. The outcome of the RadSurvey conducted revealed only a single point source in the BIFT compound, although the ra-226 activity concentration was below that of both exempt waste and LLW and the source is likely to be natural in origin.
96	Areas of Made Ground: including D6/D9 and BIFT	Radiological artefacts	Future Site Users (Commercial/Industrial)	Irradiation	Toxic: chronic toxicity	Medium	Unlikely	Low	Anecdotal information from site staff says this is likely to be surplus 'inert' fill material from trenching activities site-wide from when the sprinkler system was installed and/or site levelling activities. The outcome of the RadSurvey conducted revealed only a single point source in the BIFT compound, although the ra-226 activity concentration was below that of both exempt waste and LLW and the source is likely to be natural in origin.

Table G1: Summary of Potential Environmental Risks

Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
97	Areas of Made Ground: including D6/D9 and BIFT	Radiological artefacts	Future Site Users (Residential)	Irradiation	Toxic: chronic toxicity	Medium	Low	Moderate / Low	Anecdotal information from site staff says this is likely to be surplus 'inert' fill material from trenching activities site-wide from when the sprinkler system was installed and/or site levelling activities. The outcome of the RadSurvey conducted revealed only a single point source in the BIFT compound, although the ra-226 activity concentration was below that of both exempt waste and LLW and the source is likely to be natural in origin.
98	Areas of Made Ground: including D6/D9 and BIFT	Radiological artefacts	Neighbouring Site Users	Irradiation	Toxic: chronic toxicity	Medium	Unlikely	Low	Anecdotal information from site staff says this is likely to be surplus 'inert' fill material from trenching activities site-wide from when the sprinkler system was installed and/or site levelling activities. The outcome of the RadSurvey conducted revealed only a single point source in the BIFT compound, although the ra-226 activity concentration was below that of both exempt waste and LLW and the source is likely to be natural in origin.
99	Areas of Made Ground: stockpile(s) of ash ballast	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Site Visitors/Users (Commercial/Industrial)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	This material my be stockpiled (at least in part) to the south-east of D7. However, this area of the site does not appear to be in regular use, limiting the likelihood of this pathway. Area not investigated as part of the risk-based Ph2 LQA.
100	Areas of Made Ground: stockpile(s) of ash ballast	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Construction and Maintenance Workers	Dermal contact Ingestion Inhalation	Toxic: carcinogenic impact	Medium	Low	Moderate / Low	The risk to construction/maintenance workers from ground contamination is greater due to direct contact with potentially contaminated material. The risk may be mitigated through use of appropriate PPE and control measures. Area not investigated as part of the risk-based Ph2 LQA.
101	Areas of Made Ground: stockpile(s) of ash ballast	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Future Site Users (Commercial/Industrial)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Redevelopment to commercial/industrial end use is likely to result in a generally low likelihood of contact with residual contamination. Area not investigated as part of the risk-based Ph2 LQA.

Table G1: Summary of Potential Environmental Risks

Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
102	Areas of Made Ground: stockpile(s) of ash ballast	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Future Site Users (Residential)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Redevelopment to residential end use may result in a greater likelihood of contamination. However, it is likely that stockpile(s) of this material would be removed as part of any redevelopment for residential use, limiting the likelihood of this pathway. Area not investigated as part of the risk-based Ph2 LQA.
103	Areas of Made Ground: stockpile(s) of ash ballast	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Neighbouring Site Users	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to neighbouring site users is unlikely, given the distance involved. Area not investigated as part of the risk-based Ph2 LQA.
104	Areas of Made Ground: stockpile(s) of ash ballast	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Groundwater (secondary aquifer and unproductive strata)	Leaching Migration	Groundwater contamination	Medium	Low	Moderate / Low	Area to south of D7 in vicinity of suspected stockpile is underlain by a Secondary Aquifer. However, principal contaminant source metals and PAHs derived from ash are relatively immobile limiting the likelihood of this linkage. Area not investigated as part of the risk-based Ph2 LQA.
105	Areas of Made Ground: stockpile(s) of ash ballast	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Surface Water (site drainage ditches, Langford Brook)	Leaching Migration Runoff	Water pollution	Medium	Low	Moderate / Low	Area to south of D7 in vicinity of suspected stockpile is underlain by a Secondary Aquifer. However, principal contaminant source metals and PAHs derived from ash are relatively immobile limiting the likelihood of this linkage. Area not investigated as part of the risk-based Ph2 LQA.
106	Areas of Made Ground: stockpile(s) of ash ballast	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Ecological Receptors	Uptake Direct contact	Phytotoxicity Toxic	Mild	Low	Low	Area to south of D7 in vicinity of suspected stockpile is underlain by a Secondary Aquifer. However, principal contaminant source metals and PAHs derived from ash are relatively immobile limiting the likelihood of this linkage. Area not investigated as part of the risk-based Ph2 LQA.
107	Areas of Made Ground: stockpile(s) of ash ballast	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Agricultural Receptors	Uptake Direct contact	Phytotoxicity Toxic	Mild	Low	Low	Area to south of D7 in vicinity of suspected stockpile is underlain by a Secondary Aquifer. However, principal contaminant source metals and PAHs derived from ash are relatively immobile limiting the likelihood of this linkage. Area not investigated as part of the risk-based Ph2 LQA.

Table G1: Summary of Potential Environmental Risks

Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
108	Areas of Made Ground: stockpile(s) of ash ballast	Hydrocarbons (fuels, lubricants, PAHs), solvents and metals	Buildings and Buried Services (current and future)	Direct contact Vapour Migration	Degradation Vapour Accumulation	Mild	Low	Low	Design of new structures in the area may need to consider this potential contaminant source. Area not investigated as part of the risk-based Ph2 LQA, but sulphate concentrations in soils and waters are elevated across the site.
109	Off site sources: former rifle range within St David's Barracks	Metals	Site Visitors/Users (Commercial/Industrial)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
110	Off site sources: former rifle range within St David's Barracks	Metals	Construction and Maintenance Workers	Dermal contact Ingestion Inhalation	Toxic: carcinogenic impact 0	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
111	Off site sources: former rifle range within St David's Barracks	Metals	Future Site Users (Commercial/Industrial)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
112	Off site sources: former rifle range within St David's Barracks	Metals	Future Site Users (Residential)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
113	Off site sources: former rifle range within St David's Barracks	Metals	Neighbouring Site Users	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
114	Off site sources: former rifle range within St David's Barracks	Metals	Groundwater (secondary aquifer and unproductive strata)	Leaching Migration	Groundwater contamination	Mild	Unlikely	Negligible	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.

Table G1: Summary of Potential Environmental Risks

Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
115	Off site sources: former rifle range within St David's Barracks	Metals	Surface Water (site drainage ditches, Langford Brook)	Leaching Migration Runoff	Water pollution	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
116	Off site sources: former rifle range within St David's Barracks	Metals	Ecological Receptors	Uptake Direct contact	Phytotoxicity Toxic	Mild	Unlikely	Negligible	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
117	Off site sources: former rifle range within St David's Barracks	Metals	Agricultural Receptors	Uptake Direct contact	Phytotoxicity Toxic	Mild	Unlikely	Negligible	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
118	Off site sources: former rifle range within St David's Barracks	Metals	Buildings and Buried Services (current and future)	Direct contact	Degradation	Mild	Unlikely	Negligible	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
119	Off site sources: former rifle range within St David's Barracks	Explosives residues	Site Visitors/Users (Commercial/Industrial)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact Explosion	Severe	Unlikely	Moderate / Low	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
120	Off site sources: former rifle range within St David's Barracks	Explosives residues	Construction and Maintenance Workers	Dermal contact Ingestion Inhalation	Toxic: carcinogenic impact Explosion	Severe	Unlikely	Moderate / Low	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
121	Off site sources: former rifle range within St David's Barracks	Explosives residues	Future Site Users (Commercial/Industrial)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Severe	Unlikely	Moderate / Low	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.

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Item No.	Area/ Building	Potential Pollutant (Source)	Potential Receptor	Potential Pathway to Receptor	Associated Hazard	Potential Consequence of S-R Link	Likelihood of Source-Receptor Linkage	Significance: Risk Classification	Comment
122	Off site sources: former rifle range within St David's Barracks	Explosives residues	Future Site Users (Residential)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Severe	Unlikely	Moderate / Low	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
123	Off site sources: former rifle range within St David's Barracks	Explosives residues	Neighbouring Site Users	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Severe	Unlikely	Moderate / Low	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
124	Off site sources: former rifle range within St David's Barracks	Explosives residues	Groundwater (secondary aquifer and unproductive strata)	Leaching Migration	Groundwater contamination	Mild	Unlikely	Negligible	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
125	Off site sources: former rifle range within St David's Barracks	Explosives residues	Surface Water (site drainage ditches, Langford Brook)	Leaching Migration Runoff	Water pollution	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
126	Off site sources: former rifle range within St David's Barracks	Explosives residues	Ecological Receptors	Uptake Direct contact	Phytotoxicity Toxic	Mild	Unlikely	Negligible	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
127	Off site sources: former rifle range within St David's Barracks	Explosives residues	Agricultural Receptors	Uptake Direct contact	Phytotoxicity Toxic	Mild	Unlikely	Negligible	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
128	Off site sources: former rifle range within St David's Barracks	Explosives residues	Buildings and Buried Services (current and future)	Direct contact	Degradation	Mild	Unlikely	Negligible	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.

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129	Off site sources: sewage treatment works, St David's Barracks and rest of DSDC Bicester site	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Site Visitors/Users (Commercial/Industrial)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
130	Off site sources: sewage treatment works, St David's Barracks and rest of DSDC Bicester site	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Construction and Maintenance Workers	Dermal contact Ingestion Inhalation	Toxic: carcinogenic impact	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
131	Off site sources: sewage treatment works, St David's Barracks and rest of DSDC Bicester site	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Future Site Users (Commercial/Industrial)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
132	Off site sources: sewage treatment works, St David's Barracks and rest of DSDC Bicester site	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Future Site Users (Residential)	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
133	Off site sources: sewage treatment works, St David's Barracks and rest of DSDC Bicester site	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Neighbouring Site Users	Dermal contact Ingestion Inhalation	Toxic: chronic toxicity Toxic: carcinogenic impact	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
134	Off site sources: sewage treatment works, St David's Barracks and rest of DSDC Bicester site	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Groundwater (secondary aquifer and unproductive strata)	Leaching Migration	Groundwater contamination	Mild	Unlikely	Negligible	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.

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135	Off site sources: sewage treatment works, St David's Barracks and rest of DSDC Bicester site	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Surface Water (site drainage ditches, Langford Brook)	Leaching Migration Runoff	Water pollution	Medium	Unlikely	Low	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
136	Off site sources: sewage treatment works, St David's Barracks and rest of DSDC Bicester site	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Ecological Receptors	Uptake Direct contact	Phytotoxicity Toxic	Mild	Unlikely	Negligible	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
137	Off site sources: sewage treatment works, St David's Barracks and rest of DSDC Bicester site	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Agricultural Receptors	Uptake Direct contact	Phytotoxicity Toxic	Mild	Unlikely	Negligible	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.
138	Off site sources: sewage treatment works, St David's Barracks and rest of DSDC Bicester site	Hydrocarbons (fuels, lubricants, PAHs), solvents, metals, asbestos	Buildings and Buried Services (current and future)	Direct contact	Degradation	Mild	Unlikely	Negligible	Migration of contaminants associated with this potential source to the site is unlikely, given the distance involved and the low permeability of the underlying geology. Area not investigated as part of the risk-based Ph2 LQA.