

Appendix 3 – Site Reconnaissance Photographs

**Appendix 2 – Site Photographs
Ineos EfW Permit**



Photo 1

General view of car park and southern section of the site looking south



Photo 2

View of storage areas in the west of the site



Photo 3

View of Weston workshop in the east of the site looking north



Photo 4

View of southern area of the workshop

**Appendix 2 – Site Photographs
Ineos EfW Permit**



**Photo 5
View of waste storage area located in the east of
the site**



**Photo 6
View of training centre and Weston work shop
buildings**



**Photo 7
View of training rig located adjacent to the Weston
workshop**



**Photo 8
View within bund area of the redundant tanks**

**Appendix 2 – Site Photographs
Ineos EfW Permit**



Photo 9

View of redundant oil tanks in the north of the site



Photo 10

View of surface water drains in the centre of the site



Photo 11

View of water and caustic tanks located off to the North



Photo 12

View of sub stations located off site to the north-east of the site

**Appendix 2 – Site Photographs
Ineos EfW Permit**



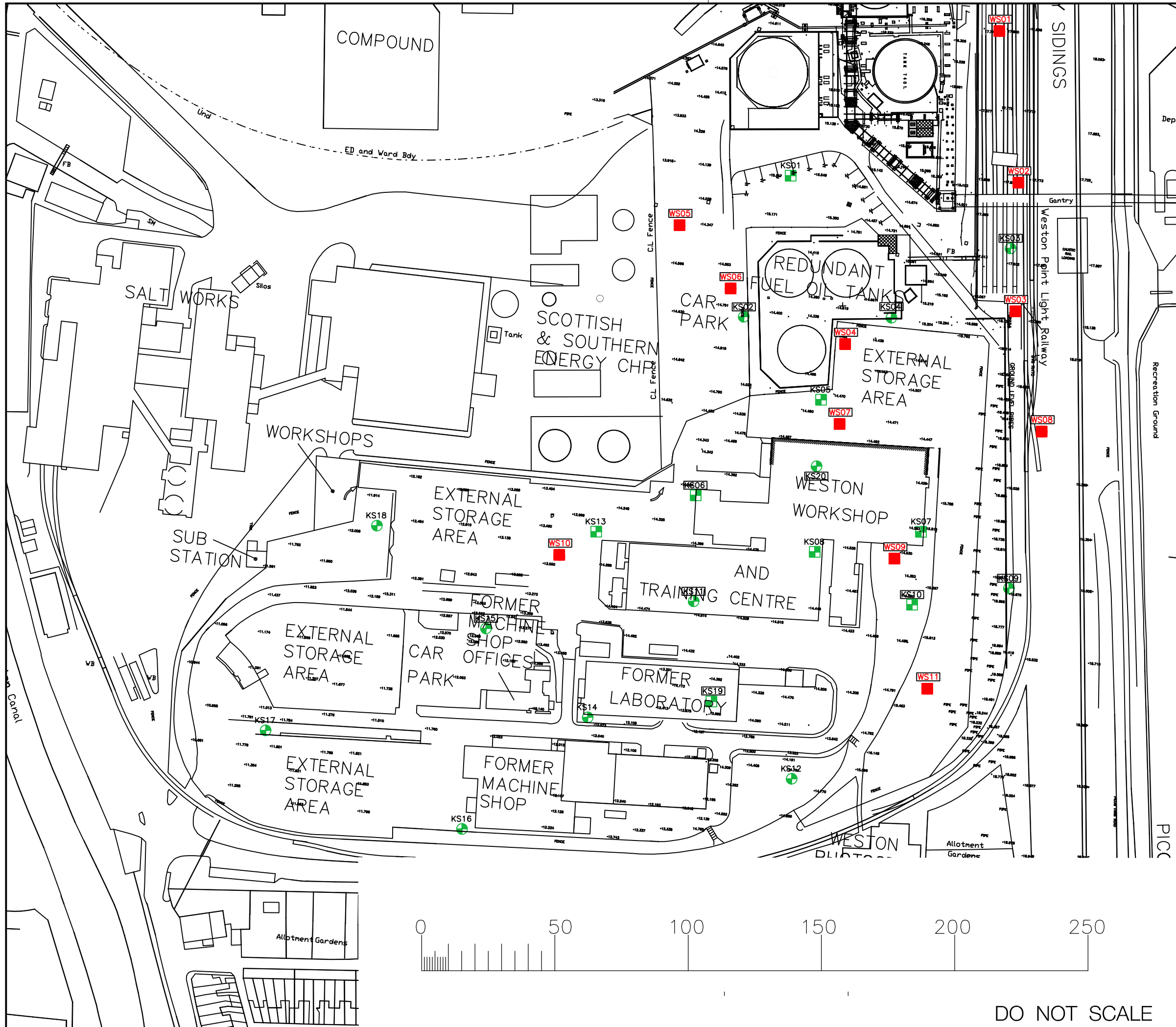
**Photo 13
Runcorn western Canal looking North**



**Photo 14
Runcorn Western Canal looking South**

Appendix 4 – Baseline Soil and Groundwater Data

B40218-605



- NOTES**
- 1 ALL DIMENSIONS ARE IN METRES, UNLESS STATED OTHERWISE.
 2. THIS DRAWING IS BASED ON ORDNANCE SURVEY DATA.
 3. TO BE READ IN CONJUNCTION WITH CRIS REPORT: B40218-600.
 4. KEY: PROPOSED BOREHOLE LOCATION (35m DEEP)
 - BH(No.)
 - BH(No.)
 - WS(No.)

Rev.	Date	Descriptions of Revision	Des.	Chkd.	Appr.
Client					
		Skanska UK Civil Engineering Bentley House Jossey Lane Doncaster South Yorkshire DN5 9ED			
		Railway Infrastructure Services PO Box 298 York YO1 6YH T: 01904 454600 F: 01904 454601			
FOR INFORMATION					
Designed		R DALE		Checked	
Approved		Date		24.10.2007	
MANCHESTER EFW					
PROPOSED WORKS					
Scales AS SHOWN				CAD RD	
CAD Ref. K:\B40218\Geotechnical\B40218-603.dwg					
Drawing No. B40218-605				Revision -	



DO NOT SCALE



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS01

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Casing Diameter

Depth

06/11/2007

08/11/2007

14.76m

200mm

2.70m

150mm

14.20m

FIELD RECORDS	Samples / Tests				Description	Strata		Legend
	Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}		Depth & Thickness m	Reduced Level (m)	
		0.20		D 1	MADE GROUND of graded granular limestone	(0.10)	14.54	
		0.10			MADE GROUND of weak concrete with some red brown fine to coarse grained sand	(0.20)	14.34	
		0.50		D 2	MADE GROUND of soft black slightly sandy gravelly clay with abundant root material. Gravel is fine to medium subangular	(0.30)		
		1.00		D 3		(0.80)		
1, 2-	1.20	1.20	1.65	S 1 (7)	MADE GROUND of loose dark grey occasionally black slightly clayey fine to medium grained sand. Ammonia odour	1.10	13.54	
2, 2, 1, 2		1.20	1.70	B 1		(0.80)		
--{07/11/2007}--		2.00	2.45	U 1 {88}	Bentonite seal installed from 1.00m to 3.00m	1.90	12.74	
{U35}					Stiff (locally soft to firm) red brown slightly sandy gravelly CLAY with occasional fine to coarse grained sand pockets. Gravel is subangular to subrounded fine to coarse			
2, 2-	2.70	2.60	3.15	D 4 (11)				
3, 3, 2, 3		2.70	3.20	S 2				
--{07/11/2007}--		2.70	3.55	B 2		(2.60)		
{U31}		3.10	3.55	U 2 {28}				
		3.70		D 5				
1, 2-	4.10	4.10	4.55	S 3 (16)				
3, 4, 4, 5		4.10	4.60	B 3		4.50	10.14	
		5.10	5.55	U 3 {114}	Stiff red brown very sandy gravelly CLAY. Gravel is subrounded to subangular fine to medium			
{U50}		5.70		D 6		(1.90)		
4, 4-	6.50	6.50	6.95	S 4 (23)	Stiff red brown sandy gravelly CLAY. Gravel is subangular and fine	6.40	8.24	
5, 6, 6, 6		6.50	7.00	B 4		(1.40)		
		7.60	8.00	S 5 (69)	Hard red brown sandy gravelly CLAY. Gravel is subrounded to subangular fine to medium	7.80	6.84	
1, 6-		8.00	8.45	S 5				
10, 15, 19, 25		8.00	8.50	B 5				
		9.50	9.95	U 4 {517}		(3.70)		
{U163}								

Remarks

- CAT scan and hand excavated services inspection pit, water seepage at 1.00m
- Bentonite seal installed 1.00m to 3.00m
- Standing water morning 08/11/2007, at 10.10m
- 30mins chiseling from 13.40m to 14.76m
- Slow drilling in very stiff clay from 6.40m
- Continued by rotary coring

Logged by **CH** Drilled by **GB**

Ground level

14.64mAD

Co-ordinates:

E:349850

N:381794



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS01

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Diameter Casing Depth

06/11/2007

08/11/2007

14.76m

FIELD RECORDS	Samples / Tests					Description	Strata		Legend
	Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}	Depth & Thickness m		Reduced Level (m)		
{TSL10.10m} --{08/11/2007}-- 4, 4- 6 ,10 ,11 ,17		10.10		D 7		-Hard red brown sandy gravelly CLAY. Gravel is subrounded to subangular fine to medium			
		10.10		W 1					
		11.60	11.60	12.05	S 6	(44)	Very dense brown clayey gravelly fine to coarse grained SAND. Gravel is subrounded and fine to coarse	11.50	3.14
	{10.30}	11.60	12.10	B 6		(1.90)			
9, 21- 49 ,51 /40mm	13.50	13.50	13.77	S 7	(100)	Highly weathered red brown SANDSTONE	13.40	1.24	
	{10.30}	13.50	14.00	B 7	((261))		(1.36)		
15, 24- 56 ,44 /35mm {TSL11.30m} --{08/11/2007}--	14.20	14.50	14.76	S 8	(100)	Light Cable Percussion Complete. Continued by Rotary Coring	14.76	-0.12	
	{11.30}				((273))				

Remarks	Logged by	Drilled by
	CH	GB
	Ground level	
	14.64mAD	
	Co-ordinates:	
	E:349850	N:381794

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Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS01R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Casing Diameter **90mm** Depth **23.72m**

Job No.: **14183**

Start Date: **25/03/2008** End Date: **27/03/2008** Final Depth: **23.72m**

Field Records	Drilling Records		Mechanical Log				Description	Strata		Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		if mm	Depth & Thickness m	
							MADE GROUND of graded granular limestone	(0.10)	14.54	[Cross-hatched pattern]
							MADE GROUND of weak concrete with some red brown fine to coarse grained sand	0.10	14.34	
							MADE GROUND of soft black slightly sandy gravelly clay with abundant root material. Gravel is fine to medium subangular	(0.20)		[Cross-hatched pattern]
								0.30		
								(0.80)		
							MADE GROUND of loose dark grey occasionally black slightly clayey fine to medium grained sand. Ammonia odour	1.10	13.54	[Cross-hatched pattern]
								(0.80)		
							Stiff (locally soft to firm) red brown slightly sandy gravelly CLAY with occasional fine to coarse grained sand pockets. Gravel is subangular to subrounded fine to coarse	1.90	12.74	[Horizontal dashed pattern]
								(2.60)		
							Stiff red brown very sandy gravelly CLAY. Gravel is subrounded to subangular fine to medium	4.50	10.14	[Horizontal dashed pattern]
								(1.90)		
							Stiff red brown sandy gravelly CLAY. Gravel is subangular and fine	6.40	8.24	[Horizontal dashed pattern]
								(1.40)		
							Hard red brown sandy gravelly CLAY. Gravel is subrounded to subangular fine to medium	7.80	6.84	[Horizontal dashed pattern]
								(3.70)		

Remarks
 1. Borehole drilled with light cable percussive equipment to 14.76m
 2. T6116 core barrel with polymer flush, 90mm core.
 3. ODEX casing installed to 13.60m.
 4. Piezometer installed on completion tip at 22.80m

Logged by **SJB** Drilled by **GD**
 Ground level **14.64mAD**
 Co-ordinates:
E:349850 N:381794



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS01R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **25/03/2008** End Date: **27/03/2008** Final Depth: **23.72m**

Field Records	Drilling Records		Mechanical Log				Description	Strata		Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		If mm	Depth & Thickness m	
							Hard red brown sandy gravelly CLAY. Gravel is subrounded to subangular fine to medium			
							Very dense brown clayey gravelly fine to coarse grained SAND. Gravel is subrounded and fine to coarse	11.50	3.14	
								(1.90)		
-{25/03/2008}-	90mm	13.60	1	83	83	0	Red brown highly weathered fine- to medium-grained SANDSTONE (Recovered as red brown fine to medium sand)	13.40	1.24	
							Light Cable Percussion Complete. Continued by Rotary Coring	(1.29)		
-{26/03/2008}-	90mm	14.63					Highly weathered red brown SANDSTONE	14.69	-0.05	
							Very weak, medium to thickly bedded, red brown, very weakly cemented, slight to moderately weathered, fine- to medium-grained SANDSTONE with thin bands of light green sandstone. Discontinuity sets - Bedding 80 to 90 degrees to core axis, planar, smooth,	(0.07)	-0.12	
								14.76		
	90mm	17.62	2	104	104	101	498			
	90mm		3	99	99	96	513			
								(8.96)		

Remarks
 1. Borehole drilled with light cable percussive equipment to 14.76m
 2. T6116 core barrel with polymer flush, 90mm core.
 3. ODEX casing installed to 13.60m.
 4. Piezometer installed on completion tip at 22.80m

Logged by **SJB** Drilled by **GD**
 Ground level **14.64mAD**
 Co-ordinates:
E:349850 N:381794

30/04/2008 10:14:58
SSL-strata core-08/05 Rev/B1



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS01R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **25/03/2008** End Date: **27/03/2008** Final Depth: **23.72m**

Field Records	Drilling Records		Mechanical Log					Description	Strata		
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %	lf mm		Depth & Thickness m	Reduced Level (m)	Legend
	90mm	20.70	4	99	99	96	378	<p><i>Very weak, medium to thickly bedded, red brown, very weakly cemented, slight to moderately weathered, fine-to medium-grained SANDSTONE with thin bands of light green sandstone. Discontinuity sets - Bedding 80 to 90 degrees to core axis, planar, smooth, clean.</i></p>			
	CASED										
-{27/03/2008}-								Borehole Complete	23.72	-9.08	

Remarks

- Borehole drilled with light cable percussive equipment to 14.76m
- T6116 core barrel with polymer flush, 90mm core.
- ODEX casing installed to 13.60m.
- Piezometer installed on completion tip at 22.80m

Logged by **SJB** Drilled by **GD**
 Ground level **14.64mAD**
 Co-ordinates:
E:349850 N:381794



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS02

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Casing Diameter
250mm
200mm

Casing

Depth
1.00m
14.50m

22/10/2007

25/10/2007

14.67m

FIELD RECORDS	Samples / Tests				Description	Strata		Legend
	Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N) {Cu}		Depth & Thickness m	Reduced Level (m)	
					MADE GROUND of tarmac	(0.15)	14.52	
		0.40	0.50	CD1	MADE GROUND of graded granular limestone	0.15	14.29	
		0.60	0.70	CD2	MADE GROUND of soft black and orange mottled sandy gravelly clay and ash. Gravel is fine to medium and subrounded to subangular	(0.23)		
		0.90	1.00	CD3		(0.38)		
1, 2- --{24/10/2007}-- 2 ,1 ,2 ,2	1.20	1.20	1.65	S 1 (7)	MADE GROUND of medium dense brown clayey fine to coarse grained sand	1.10	13.57	
		1.20	1.70	B 1		(0.90)		
T1 2.00 M1 2.00	2.00			W 1	Medium dense grey brown fine to coarse grained SAND	2.00	12.67	
1, 1- 1 ,2 ,3 ,4	2.20	2.20	2.65	S 2 (10)				
		2.20	2.70	B 2				
1, 2- 1 ,3 ,2 ,3	3.20 (2.60)	3.20	3.65	S* 3 (9)				
		3.20	3.70	B 3		(3.60)		
1, 2- 2 ,3 ,3 ,4	4.20 (3.70)	4.20	4.65	S 4 (12)				
		4.20	4.70	B 4				
2, 2- 3 ,2 ,3 ,3	5.00 (4.30)	5.00	5.45	S 5 (11)				
		5.00	5.50	B 5				
--{25/10/2007}-- [U60]	6.00	6.45	U 1 {42}	Firm red brown slightly laminated slightly sandy slightly gravelly CLAY with occasional small pockets of fine to medium sand. Gravel is subangular and flat fine to medium	5.60	9.07		
	6.60		D 1	Bentonite seal installed from 4.60m to 6.60m	(1.80)			
2, 2- --{25/10/2007}-- 3 ,3 ,3 ,4	7.50	7.50	7.95	S 6 (13)	Medium dense red brown clayey slightly gravelly fine to coarse grained SAND. Gravel is angular and fine to medium	7.40	7.27	
		7.50	8.00	B 6				
1, 2- 3 ,4 ,3 ,4	9.00	9.00	9.45	S 7 (14)				
		9.00	9.50	B 7		(3.10)		

Remarks	1. Inspection pit 0.70x0.70x1.00m - 1hr	Logged by	Drilled by
	2. CAT survey completed	AT	GB
	3. Water met at 2.00m - after 20mins water level at 2.00m	Ground level	
	4. Chiseling at 12.70m - 1hr	14.67mAD	
	5. Casing reduced from 250mm to 200mm at 6.60m	Co-ordinates:	
	6. Bentonite seal installed at 6.60m to 4.60m	E:349836	N:381743
	7. 29/10/2007 8am water level at 8.64m		
	8. Rotary casing installed		

29/04/2008 02:29:01

SSL--cable per--08/06 Rev a1



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS02

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Diameter Casing Depth

22/10/2007

25/10/2007

14.67m

FIELD RECORDS	Samples / Tests					Description	Strata		Legend
	Casing (Water) Depth (m)	Depth (m) from	to	SAMPLE Type & No	SPT (N){Cu}		Depth & Thickness m	Reduced Level (m)	
2, 3- 3 ,4 ,4 ,4	10.50	10.50	10.95	S 8	(15)	Medium dense red brown very clayey slightly gravelly fine to coarse grained SAND. Gravel is angular and fine to medium	10.50	4.17	
		10.50	11.00	B 8			(1.70)		
10, 17- 18 ,17 ,18 ,18	12.00 {11.80}	12.00	12.45	S 9	(71)	Very dense brown clayey slightly gravelly fine to coarse grained SAND with clay pockets. Gravel is subangular and fine to medium	12.20	2.47	
[U140]	{11.80}	12.70	13.15	U 2			(0.50)		
19, 23- 52 ,48 /55mm	13.30 {12.90}	13.20 13.30	13.75 13.80	D 2 S 10 B 9	(100) ((230))	Highly weathered red brown and white SANDSTONE	12.70	1.97	
		13.30	13.80			Highly weathered red brown SANDSTONE	(0.60)		
22, 55- /70mm 100 (TSL14.10m) --(25/10/2007)--	14.20 {14.10}	14.50	14.95	S 11	(100) ((300))	Light Cable Percussion Complete. Continued by Rotary Coring	13.30	1.37	
							(1.37)		
							14.67	0.00	

Remarks

Logged by **AT** Drilled by **GB**

Ground level

14.67mAD

Co-ordinates:

E:349836

N:381743



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS2R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Casing Diameter **90mm** Depth **23.10m**

Job No.: **14183**

Start Date: **26/11/2007** End Date: **27/11/2007** Final Depth: **23.10m**

Field Records	Drilling Records		Mechanical Log				Description	Depth & Thickness m	Strata Reduced Level (m)	Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %				
							MADE GROUND of tarmac	(0.15)	14.52	[Cross-hatch pattern]
							MADE GROUND of graded granular limestone	0.15	14.29	
							MADE GROUND of soft black and orange mottled sandy gravelly clay and ash. Gravel is fine to medium and subrounded to subangular	(0.23) 0.38 (0.72)	13.57	[Cross-hatch pattern]
							MADE GROUND of medium dense brown clayey fine to coarse grained sand	1.10	12.67	
							Medium dense grey brown fine to coarse grained SAND	(0.90) 2.00	9.07	[Dotted pattern]
							Firm red brown slightly laminated slightly sandy slightly gravelly CLAY with occasional small pockets of fine to medium sand. Gravel is subangular and flat fine to medium	(3.60) 5.60	7.27	
							Medium dense red brown clayey slightly gravelly fine to coarse grained SAND. Gravel is angular and fine to medium	(1.80) 7.40 (3.10)		[Dotted pattern]

Remarks

- LCP hole filled with weak bentonite cement grout.
- Bentonite flushed out of casing using 112mm dia cone roller bit and water flush
- Set up polymer flush system and rotary casing installed to 14.50m
- Commence coring 14.5m with T6-116 barrel with core line.
- On completion of boring borehole flushed with clean water to remove polymer

Logged by **SJB** Drilled by **GD**
 Ground level **14.67mAD**
 Co-ordinates: **E:349836 N:381743**



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS2R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **26/11/2007** End Date: **27/11/2007** Final Depth: **23.10m**

Field Records	Drilling Records		Mechanical Log				Description	Strata		Legend	
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		If mm	Depth & Thickness m		Reduced Level (m)
	90mm	14.50	1	96	96	84	285	Medium dense red brown very clayey slightly gravelly fine to coarse grained SAND. Gravel is angular and fine to medium	10.50	4.17	
								(1.70)			
								12.20	2.47		
								(0.50)			
	90mm	17.35	2	97	97	77	197	Very dense brown clayey slightly gravelly fine to coarse grained SAND with clay pockets. Gravel is subangular and fine to medium	12.70	1.97	
								(0.60)			
-{25/11/2007}-	90mm	14.50	1	96	96	84	285	Red brown and white very weathered SANDSTONE	12.70	1.97	
								(0.60)			
								Red brown SANDSTONE	13.30	1.37	
									(1.20)		
								Red brown SANDSTONE	14.50	0.17	
									(0.17)	0.00	
								Light Cable Percussion Complete. Continued by Rotary Coring	14.67		
								Very weak, moderately to thickly bedded, red brown, slightly weathered, weakly cemented, fine-grained SANDSTONE with some thin bands of light grey green sandstone. Discontinuity set - Bedding 90 degrees to core axis, planar, smooth, clean.			
									(5.77)		

Remarks

- LCP hole filled with weak bentonite cement grout.
- Bentonite flushed out of casing using 112mm dia cone roller bit and water flush
- Set up polymer flush system and rotary casing installed to 14.50m
- Commence coring 14.5m with T6-116 barrel with core line.
- On completion of boring borehole flushed with clean water to remove polymer

Logged by **SJB** Drilled by **GD**
 Ground level **14.67mAD**
 Co-ordinates: **E:349836 N:381743**



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS2R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **26/11/2007** End Date: **27/11/2007** Final Depth: **23.10m**

Field Records	Drilling Records		Mechanical Log				Description	Strata		Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		If mm	Depth & Thickness m	
		20.50						20.44	-5.77	
	90mm		3	98	90	76	113	(1.04)		
							Very weak, medium bedded, red brown, slightly weathered, very weakly cemented, fine-grained SANDSTONE (Some sections recovered as red brown slightly clayey fine sand)	21.48	-6.81	
							Weak to very weak, medium to thickly bedded, red brown, slightly weathered, weakly cemented, fine-grained SANDSTONE with some thin bands of light grey green sandstone. Discontinuity set - Bedding 80-90 degrees to core axis, planar, smooth, clean.	(1.62)		
	CASED						Borehole Complete	23.10	-8.43	
-{27/11/2007}-										

Remarks

1. LCP hole filled with weak bentonite cement grout.
2. Bentonite flushed out of casing using 112mm dia cone roller bit and water flush
3. Set up polymer flush system and rotary casing installed to 14.50m
4. Commence coring 14.5m with T6-116 barrel with core line.
5. On completion of boring borehole flushed with clean water to remove polymer

Logged by **SJB** Drilled by **GD**
 Ground level **14.67mAD**
 Co-ordinates: **E:349836 N:381743**



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS04R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **19/02/2008** End Date: **22/02/2008** Final Depth: **23.52m**

Field Records	Drilling Records		Mechanical Log				Description	Depth & Thickness m	Strata Reduced Level (m)	Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %				
							Medium dense (occasionally dense) brown gravelly fine to medium grained SAND. Gravel is subangular to subrounded fine to medium	(2.50)		
							Highly weathered red SANDSTONE	11.50	0.29	
								(3.70)		
-{20/02/2008}-		15.23					Light Cable Percussion Complete. Continued by Rotary Coring Red brown, occasionally light grey green, fine to medium sand (Weathered SANDSTONE)	15.20	-3.41	
	90mm		1	60	30	0		52	15.43	-3.64
-{21/02/2008}-		15.90					Very weak, medium to thickly bedded, red brown, slight to moderately weathered, very weakly cemented, fine- to medium-grained SANDSTONE with occasional thin bands of light green sandstone. Discontinuity sets - Bedding 80 to 90 degrees to core axis, planar, smooth, clean. (Some sections recovered as red brown fine to medium sand)			
	90mm		2	99	99	96		775	(4.33)	
		19.00								
								19.76	-7.97	

Remarks
 1. Borehole drilled with light cable percussive equipment to 15.23m.
 2. T6116 core barrel with polymer flush, 90mm core.
 3. PX casing installed to 15.55m.
 4. Borehole grouted on completion.

Logged by **SJB** Drilled by **GD**
 Ground level **11.79mAD**
 Co-ordinates:
E:349892 N:381746



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS03

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Diameter

Casing

Depth

28/02/2008

05/03/2008

16.30m

200mm

4.30m

FIELD RECORDS	Samples / Tests				Description	Strata		Legend
	Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}		Depth & Thickness m	Reduced Level (m)	
		0.20		D 1	MADE GROUND of graded granular limestone	(0.40)		
		0.50		D 2	MADE GROUND of loose black slightly clayey ash fine to medium clinker with fine to medium coal fragments	0.40	17.47	
		1.00	1.45	S 1 (3)	MADE GROUND of loose dark brown, occasional black, sandy ashly gravelly clay. Gravel is angular and fine	(0.60)		
1, 0- 1, 0, 1, 1		1.00	1.50	B 1		1.00	16.87	
		1.00		D 3				
1, 1- 1, 1, 1, 1		1.70	2.00	S 2 (4)	Bentonite seal installed from 1.90m to 4.60m	(2.30)		
		2.00	2.50	B 2				
--{29/02/2008}-- 1, 0- 1, 2, 2, 3		2.90	3.00	S 3 (8)	Firm dark brown sandy CLAY (Driller's Description) Loose brown slightly gravelly fine to medium grained SAND. Gravel is angular and fine	3.30	14.57	
		3.00	3.50	B 3		(0.10)	14.47	
1, 0- 1, 2, 1, 1		3.60	3.60	S 4 (5)	Loose brown fine to medium grained SAND	3.40		
		3.60	4.10	B 4		(0.90)		
--{29/02/2008}-- 1, 0- 1, 2, 1, 2		3.80	4.60	S 5 (6)	-Sand becomes wet at 5.00m	4.30	13.57	
		4.60	5.10	B 5		(1.40)		
		5.00		W 1				
1, 2- 1, 2, 2, 2	5.60 {0.00}	5.60	6.05	S 6 (7)	Loose brown clayey slightly gravelly fine to medium grained SAND. Gravel is subrounded fine to medium	5.70	12.17	
		5.60	6.10	B 6		(1.50)		
2, 4- 3, 4, 4, 6	7.10 {0.00}	7.10	7.55	S 7 (17)	Medium dense brown slightly gravelly fine to medium grained SAND with thick bands of stiff brown gravelly clay. Gravel is subrounded fine to medium	7.20	10.67	
		7.10	7.60	B 7		(1.20)		
10, 9- 8, 9, 10, 10	8.50	8.60	9.05	S 8 (37)	Very stiff brown sandy gravelly CLAY with thin layers of fine grained sand. Gravel is subrounded to subangular fine to medium	8.40	9.47	
		8.60	9.10	B 8		(1.30)		
					Very stiff to hard brown laminated sandy slightly gravelly CLAY. Gravel is angular to subrounded and fine to medium	9.70	8.17	

Remarks

- CAT survey completed
- Inspection pit completed 0.8x0.70x1.00m
- Bentonite seal installed from 1.90m to 3.90m
- Water met at 5.00m - after 20mins water level at 4.10m
- Water met at 12.90m - after 20mins water standing at 11.80m
- Chiseling from 14.90m, 1 hr.
- Continued by rotary coring

Logged by Drilled by

AT TM

Ground level

17.87mAD

Co-ordinates:

E:349931

N:381776



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS03

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Diameter Casing Depth

28/02/2008

05/03/2008

16.30m

FIELD RECORDS	Samples / Tests					Description	Strata		Legend
	Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}	Depth & Thickness m		Reduced Level (m)		
--(04/03/2008)--		10.10 10.55	U 1	{671}	-Very stiff brown sandy gravelly CLAY with thin layers of fine grained sand. Gravel is subrounded to subangular fine to medium water added to assist boring No access to rail area				
		10.60	D 4			(1.60)			
4, 5- 6 ,8 ,7 ,8	9.20 {10.40	11.40 11.95	S 9	(29)	Medium dense brown gravelly fine to medium grained SAND. Gravel is angular and fine -water added to assist boring	11.30	6.57		
		11.40 11.90	B 9			(1.60)			
4, 6- 6 ,5 ,6 ,7	13.00 {0.00}	12.90 13.45	W 2 S 10	(24)	Medium dense reddish brown gravelly fine to medium grained SAND. Gravel is subangular to subrounded fine to medium	12.90	4.97		
		13.00 13.50	B 10				(2.00)		
12, 13- /45mm ,34 ,66 /70mm	15.00 {14.80	15.00 15.27	S 11	(100)	Red brown highly weathered fine- to medium-grained SANDSTONE (Recovered as red brown fine to medium sand)	14.90	2.97		
		15.00 15.50	B 11	((207))		(1.24)			
25, 5- /10mm ,60 ,40 /30mm {TSL14.00m} --(05/03/2008)--	15.00 {14.00	16.00 16.17	S 12	(100)	Very dense highly weathered reddish brown fine to coarse grained SANDSTONE (recovered as reddish brown fine to coarse grained SAND) Light Cable Percussion Complete. Continued by Rotary Coring	16.14	1.73		
				((286))		(0.16)	1.57		
						16.30			

Remarks

Logged by **AT** Drilled by **TM**
Ground level
17.87mAD
Co-ordinates:
E:349931 N:381776



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS03R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Casing Diameter **90mm** Depth **25.05m**

Job No.: **14183**

Start Date: **09/04/2008** End Date: **10/04/2008** Final Depth: **25.05m**

Field Records	Drilling Records						Mechanical Log	Description	Depth & Thickness m	Strata Reduced Level (m)	Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %					
							MADE GROUND of graded granular limestone	(0.40) 0.40	17.47		
							MADE GROUND of loose black slightly clayey ashy fine to medium clinker with fine to medium coal fragments	(0.60) 1.00	16.87		
							MADE GROUND of loose dark brown, occasional black, sandy ashy gravelly clay. Gravel is angular and fine	(2.30) 3.30	14.57		
							Firm dark brown sandy CLAY (Driller's Description)	(0.10) 3.40	14.47		
							Loose brown slightly gravelly fine to medium grained SAND. Gravel is angular and fine	(0.90) 4.30	13.57		
							Loose brown fine to medium grained SAND <i>Sand becomes wet at 5.00m</i>	(1.40) 5.70	12.17		
							Loose brown clayey slightly gravelly fine to medium grained SAND. Gravel is subrounded fine to medium	(1.50) 7.20	10.67		
							Medium dense brown slightly gravelly fine to medium grained SAND with thick bands of stiff brown gravelly clay. Gravel is subrounded fine to medium	(1.20) 8.40	9.47		
							Very stiff brown sandy gravelly CLAY with thin layers of fine grained sand. Gravel is subrounded to subangular fine to medium	(1.30) 9.70	8.17		
							Very stiff to hard brown laminated sandy slightly gravelly CLAY. Gravel is angular to subrounded and fine to medium				

Remarks
 1. Borehole drilled with light cable percussive equipment to 16.30.
 2. T6116 core barrel with polymer flush, 90mm core.
 3. ODEX casing installed to 15.80m.
 4. Borehole grouted on completion with 4:1 bentonite/cement grout.

Logged by **SJB** Drilled by **GD**
 Ground level **17.87mAD**
 Co-ordinates:
E:349931 N:381776

30/04/2008 10:24:55

SSL-strata core-0805 Rev B1



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS03R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **09/04/2008** End Date: **10/04/2008** Final Depth: **25.05m**

Field Records	Drilling Records		Mechanical Log				Description	Strata		Legend	
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		If mm	Depth & Thickness m		Reduced Level (m)
-{04/10/2008}-	90mm	15.80	1	87	77	29	126	Very stiff brown sandy gravelly CLAY with thin layers of fine grained sand. Gravel is subrounded to subangular fine to medium	(1.60)	6.57	
		16.77						Medium dense brown gravelly fine to medium grained SAND. Gravel is angular and fine	(1.60)		
		16.77						Water added to assist boring	12.90	4.97	
		16.77						Medium dense reddish brown gravelly fine to medium grained SAND. Gravel is subangular to subrounded fine to medium	(2.00)		
		19.88						Red brown highly weathered fine- to medium-grained SANDSTONE (Recovered as red brown fine to medium sand)	14.90	2.97	
19.88						Light Cable Percussion Complete. Continued by Rotary Coring	(1.24)				
	90mm		2	97	97	91	518	Very dense highly weathered reddish brown fine to coarse grained SANDSTONE (recovered as reddish brown fine to coarse grained SAND)	16.14 (0.16)	1.73	
	90mm						Very weak, medium to thickly bedded, red brown, very weakly cemented, slight to moderately weathered, fine- to medium-grained SANDSTONE with thin bands of light green sandstone. Discontinuity sets - Bedding 80 to 90 degrees to core axis, planar, smooth, clean. (Some sections of very weakly cemented sandstone recovered as red brown fine to medium sand)	16.30	1.57		

Remarks
 1. Borehole drilled with light cable percussive equipment to 16.30.
 2. T6116 core barrel with polymer flush, 90mm core.
 3. ODEX casing installed to 15.80m.
 4. Borehole grouted on completion with 4:1 bentonite/cement grout.

Logged by **SJB** Drilled by **GD**

Ground level
17.87mAD

Co-ordinates:

E:349931 N:381776

30/04/2008 10:24:55

SSL-strata core-0805 Rev B1



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS03R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **09/04/2008** End Date: **10/04/2008** Final Depth: **25.05m**

Field Records	Drilling Records		Mechanical Log				Description	Strata		Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		If mm	Depth & Thickness m	
	90mm	22.95	3	99	98	93	512	<i>Very weak, medium to thickly bedded, red brown, very weakly cemented, slight to moderately weathered, fine- to medium-grained SANDSTONE with thin bands of light green sandstone. Discontinuity sets - Bedding 80 to 90 degrees to core axis, planar, smooth, clean. (Some sections of very weakly cemented sandstone recovered as red brown fine to medium sand)</i>	(8.75)	
	90mm		4	98	98	87	350			
-{04/10/2008}-	CASED							Borehole Complete	25.05	-7.18

Remarks

1. Borehole drilled with light cable percussive equipment to 16.30.
2. T6116 core barrel with polymer flush, 90mm core.
3. ODEX casing installed to 15.80m.
4. Borehole grouted on completion with 4:1 bentonite/cement grout.

Logged by **SJB** Drilled by **GD**

Ground level **17.87mAD**

Co-ordinates:

E:349931 N:381776



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS04

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Casing Diameter
200mm
150mm

Casing Depth
2.00m
15.20m

05/02/2008

07/02/2008

15.20m

FIELD RECORDS

Samples / Tests

Description

Strata

Depth & Thickness m
Reduced Level (m)
Legend

FIELD RECORDS	Samples / Tests				Description	Strata		Legend
	Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}		Depth & Thickness m	Reduced Level (m)	
T1 0.40 M1 0.60		0.20		D 1	MADE GROUND of concrete and steel girders	(0.20)	11.59	
		0.50		D 2	MADE GROUND of very loose brown fine to medium grained sand with fine to medium brick and tile fragments and a metal nut	0.20		
1, 0- --{06/02/2008}-- 1 ,0 ,1 ,1		0.60		W 1				
		1.00	1.00	1.45	S 1 (3)			
		{0.40}	1.00	1.50	B 1			
1, 2- --{07/02/2008}-- 1 ,1 ,2 ,1		1.00		D 3		(2.10)		
		2.00	2.00	2.45	S 2 (5)			
		{0.60}	2.00	2.50	B 2	Bentonite seal installed from 1.00m to 3.00m		
[U50]		2.30			Loose brown fine to medium grained SAND with pockets of grey clay.	(0.60)	9.49	
		2.90			Medium grained SAND and GRAVEL (Driller's Description)	(0.20)	8.89	
		3.10			Firm grey slightly brownish grey laminated slightly gravelly CLAY with frequent small pockets of grey fine grained sand. Gravel is subangular to subrounded fine to medium	(0.90)	8.69	
[U50]		3.70		D 4				
		4.20	4.65	U 2	Very stiff brownish grey slightly sandy slightly gravelly CLAY with a parting of yellow fine grained sand. Gravel is subangular to subrounded and fine		7.79	
		4.70		D 5				
[U50]		5.20	5.65	U 3 {177}		(2.20)		
		5.70		D 6				
		6.20	6.70	7.15	S 3 (76)	Very stiff brown sandy slightly gravelly CLAY. Gravel is subangular to rounded fine to medium		
10, 12- 13 ,18 ,20 ,25		6.70	7.20	B 3		(2.00)		
		7.70	8.20	8.65	S 4 ((100))			
		8.20	8.70	B 4 ((101))	Very dense brown slightly clayey gravelly fine to coarse grained SAND. Gravel is subangular to subrounded fine to medium	(0.80)	3.59	
T2 7.70 3, 7- 20 ,23 ,27 ,30 /70mm		9.00	9.55	S 5 (27)				
		9.10	9.10	9.60	B 5	Medium dense (occasionally dense) brown gravelly fine to medium grained SAND. Gravel is subangular to subrounded fine to medium		
		9.50		W 2		9.00	2.79	

Remarks

- CAT survey complete
- Inspection pit complete 0.80x1.00x1.00m - 3hrs
- Water met at 0.60m - after 20mins water level at 0.40m and at 9.50m - after 20mins water level at 7.70m
- Bentonite seal installed at 1.00m to 3.00m
- Casing reduced from 200mm to 150mm at 1.00m
- Chiseling at 14.00m for 1 1/2hrs

Logged by Drilled by

AT TM

Ground level

11.79mAD

Co-ordinates:

E:349892

N:381746

29/04/2008 02:50:41 SSL-cable p.r. - 08/96 Rev a1



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS04

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Diameter Casing Depth

05/02/2008

07/02/2008

15.20m

FIELD RECORDS	Samples / Tests					Description	Strata		Legend
	Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}	Depth & Thickness m		Reduced Level (m)		
3, 6- 8 ,9 ,10 ,13	10.60 {0.00}	10.60 10.60	11.05 11.10	S 6 B 6	(40)	-Medium dense (occasionally dense) brown gravelly fine to medium grained SAND. Gravel is subangular to subrounded fine to medium	(2.50)		
{TSL9.50m} 8, 7- --{07/02/2008}-- 7 ,6 ,8 ,8	11.50 {9.50}	11.50 11.50	11.95 12.00	S 7 B 7	(29)	Highly weathered red SANDSTONE	11.50	0.29	
8, 20- 32 ,45 ,27 /25mm	12.90 {10.00}	13.00 13.00	13.45 13.50	S 8 B 8	(100) ((171))		(3.70)		
8, 8- 15 ,18 ,22 ,30	13.80 {10.20}	13.80 13.80	14.25 14.30	S 9 B 9	(85)				
15, 10-/35mm {TSL12.30m} 30 ,70/65mm --{07/02/2008}--	15.00 {12.30}	15.00	15.20	S 10	(100) ((214))	Light Cable Percussion Complete. Continued by Rotary Coring	15.20	-3.41	

Remarks	Logged by AT Drilled by TM Ground level 11.79mAD Co-ordinates: E:349892 N:381746
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29/04/2008 02:50:41 SSL-cable p.r. -0806 Rev a1



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS04R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Casing Diameter **90mm** Depth **23.52m**

Job No.: **14183**

Start Date: **19/02/2008** End Date: **22/02/2008** Final Depth: **23.52m**

Field Records	Drilling Records		Mechanical Log				Description	Strata		Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		If mm	Depth & Thickness m	
							MADE GROUND of concrete and steel girders	(0.20) 0.20	11.59	
							MADE GROUND of very loose brown fine to medium grained sand with fine to medium brick and tile fragments and a metal nut	(2.10)		
							Loose brown fine to medium grained SAND with pockets of grey clay.	2.30 (0.60)	9.49	
							Medium grained SAND and GRAVEL (Driller's Description)	2.90 (0.20) 3.10	8.89 8.69	
							Firm grey slightly brownish grey laminated slightly gravelly CLAY with frequent small pockets of grey fine grained sand. Gravel is subangular to subrounded fine to medium	(0.90)		
							Very stiff brownish grey slightly sandy slightly gravelly CLAY with a parting of yellow fine grained sand. Gravel is subangular to subrounded and fine	4.00 (2.20)	7.79	
							Very stiff brown sandy slightly gravelly CLAY. Gravel is subangular to rounded fine to medium	6.20 (2.00)	5.59	
							Very dense brown slightly clayey gravelly fine to coarse grained SAND. Gravel is subangular to subrounded fine to medium	8.20 (0.80)	3.59	
							Medium dense (occasionally dense) brown gravelly fine to medium grained SAND. Gravel is subangular to subrounded fine to medium	9.00	2.79	

Remarks
 1. Borehole drilled with light cable percussive equipment to 15.23m.
 2. T6116 core barrel with polymer flush, 90mm core.
 3. PX casing installed to 15.55m.
 4. Borehole grouted on completion.

Logged by **SJB** Drilled by **GD**
 Ground level **11.79mAD**
 Co-ordinates:
E:349892 N:381746



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS04R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **19/02/2008** End Date: **22/02/2008** Final Depth: **23.52m**

Field Records	Drilling Records		Mechanical Log				Description	Depth & Thickness m	Strata Reduced Level (m)	Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %				
							Medium dense (occasionally dense) brown gravelly fine to medium grained SAND. Gravel is subangular to subrounded fine to medium	(2.50)		
							Highly weathered red SANDSTONE	11.50	0.29	
								(3.70)		
-{20/02/2008}-	90mm	15.23					Light Cable Percussion Complete. Continued by Rotary Coring Red brown, occasionally light grey green, fine to medium sand (Weathered SANDSTONE)	15.20	-3.41	
-{21/02/2008}-		15.90	1	60	30	0		52	15.43	-3.64
	90mm						Very weak, medium to thickly bedded, red brown, slight to moderately weathered, very weakly cemented, fine- to medium-grained SANDSTONE with occasional thin bands of light green sandstone. Discontinuity sets - Bedding 80 to 90 degrees to core axis, planar, smooth, clean. (Some sections recovered as red brown fine to medium sand)			
		19.00	2	99	99	96		775	(4.33)	
								19.76	-7.97	

Remarks

- Borehole drilled with light cable percussive equipment to 15.23m.
- T6116 core barrel with polymer flush, 90mm core.
- PX casing installed to 15.55m.
- Borehole grouted on completion.

Logged by **SJB** Drilled by **GD**
 Ground level **11.79mAD**
 Co-ordinates:
E:349892 N:381746



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS04R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **19/02/2008** End Date: **22/02/2008** Final Depth: **23.52m**

Field Records	Drilling Records		Mechanical Log					Description	Strata		Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %	lf mm		Depth & Thickness m	Reduced Level (m)	
- {22/02/2008} -	90mm	22.14	3	96	95	94	785	Very weak occasionally weak, medium to thickly bedded, red brown, slightly weathered, very weakly cemented, fine- to medium-grained SANDSTONE with occasional thin bands of light grey green sandstone. Discontinuity sets - Bedding 80 to 90 degrees to core axis, planar, smooth, clean.	(2.80)		
	90mm		4	94	80	57	138	Very weak, medium to thickly bedded, red brown, slight to moderately weathered, very weakly cemented, fine- to medium-grained SANDSTONE with occasional thin bands of light green sandstone. Discontinuity sets - Bedding 80 to 90 degrees to core axis, planar, smooth, clean. Joints Sub-vertical, planar, smooth, clean. (Some sections recovered as red brown fine to medium sand)	22.56 (0.96)	-10.77	
	CASED							Borehole Complete	23.52	-11.73	

Remarks

- Borehole drilled with light cable percussive equipment to 15.23m.
- T6116 core barrel with polymer flush, 90mm core.
- PX casing installed to 15.55m.
- Borehole grouted on completion.

Logged by **SJB** Drilled by **GD**

Ground level
11.79mAD

Co-ordinates:

E:349892 N:381746



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS05

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Casing Diameter
250mm
200mm

Casing

Depth
4.00m
13.40m

22/10/2007

02/11/2007

13.58m

FIELD RECORDS	Samples / Tests				Description	Strata		
	Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}		Depth & Thickness m	Reduced Level (m)	Legend
(TSL0.69m) T1 0.69 --(31/10/2007)-- M1 0.70 1, 2- 2 ,2 ,1 ,2 1, 1- 2 ,2 ,2 ,2 --(01/11/2007)-- [U31] --(01/11/2007)-- [U65] 4, 4- 7 ,7 ,9 ,13 [U112] 5, 12- 16 ,19 ,24 ,29 [U156] T2 9.50		0.20	0.30	CD1	MADE GROUND of graded granular limestone	(0.10)	14.37	
		0.30	0.50	D 1	MADE GROUND of grass over brown slightly clayey gravelly sand. Gravel is fine to medium subangular to subrounded	0.10	14.07	
		0.50		D 2		(0.30)		
		0.70		W 1	MADE GROUND of soft black ashy sandy gravelly clay. Gravel is subrounded fine to medium	0.40		
		1.00		D 3		(1.40)		
		1.20	1.20	S 1	(7)		1.80	
		1.20	1.70	B 1				
		2.00	2.00	S 2	(8)	Loose brown slightly clayey gravelly fine to coarse grained SAND. Gravel is subangular fine to medium	(0.90)	
		2.00	2.50	B 2				
		3.00	3.45	U 1	Very stiff red brown slightly sandy gravelly CLAY. Gravel is subangular to angular fine to coarse	2.70	11.77	
	3.50		D 4	Bentonite seal installed from 2.00m to 4.00m	(1.40)			
	4.00	4.45	U 2	{471}		4.10		
	4.50		D 6		Hard red brown slightly gravelly sandy CLAY. Gravel is subangular angular fine to coarse	(0.90)		
	4.80	5.00	S 3	(36)		5.00		
	5.00	5.50	B 3		Very stiff to hard red brown slightly sandy gravelly CLAY. Gravel is subangular to angular fine to medium	(5.40)		
	6.00	6.45	U 3					
	6.50		D 7					
	9.00	9.45	U 4	{449}				
	9.50		D 8					

Remarks 1. Borehole moved due to hard concrete 2. CAT survey completed 3. Inspection pit completed - 0.80x0.80x1.00m - 1hr 4. Water met at 0.70m (after 20mins water level at 0.69m) and at 10.50m (after 20mins water level at 9.50m) 5. Chiseling at 12.20m for 1 hour 6. Bentonite Seal installed at 2.00m to 4.00m 7. Casing reduced from 250mm to 200mm at 4.00m	Logged by AT Drilled by GB Ground level 14.47mAD Co-ordinates: E:349870 N:381714
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Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS05

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Diameter Casing Depth

22/10/2007

02/11/2007

13.58m

FIELD RECORDS	Samples / Tests				Description	Strata		Legend
	Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}		Depth & Thickness m	Reduced Level (m)	
3, 6- M2 10.40 18 ,19 ,40 ,23 /30mm {TSL8.90m} --{02/11/2007}--	10.40	10.40	W 2		Very dense brown slightly gravelly fine to coarse grained SAND. Gravel is subrounded fine to medium	10.40	4.07	
	10.50 {9.50}	10.50 10.95	S 5	(100)				
		10.50 11.00	B 5	((117))				
6, 13- 22 ,25 ,53 /70mm	12.00 {10.00}	12.00 12.45	S 6	(100)	Highly weathered red SANDSTONE	12.20	2.27	
		12.00 12.50	B 6	((136))				
19, 24- 25/60m,75 /70mm {TSL10.31m} --{02/11/2007}--	12.60 {10.40}	13.30 13.58	S 7	(100) ((230))	Light Cable Percussion Complete. Continued by Rotary Coring	13.58	0.89	

Remarks

Logged by **AT** Drilled by **GB**
 Ground level **14.47mAD**
 Co-ordinates:
E:349870 N:381714



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS5R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Casing Diameter 140mm
90mm
Depth 13.40m
35.40m

Job No.: **14183**

Start Date: **30/11/2007** End Date: **03/12/2007** Final Depth: **35.40m**

Field Records	Drilling Records		Mechanical Log				Description	Depth & Thickness m	Strata Reduced Level (m)	Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %				
							MADE GROUND of graded granular limestone	(0.10)	14.37	[Cross-hatched pattern]
							MADE GROUND of grass over brown slightly clayey gravelly sand. Gravel is fine to medium subangular to subrounded	0.10 (0.30)	14.07	
							MADE GROUND of soft black ashy sandy gravelly clay. Gravel is subrounded fine to medium	0.40 (1.40)		[Cross-hatched pattern]
							Loose brown slightly clayey gravelly fine to coarse grained SAND. Gravel is subangular fine to medium	1.80 (0.90)	12.67	
							Very stiff red brown slightly sandy gravelly CLAY. Gravel is subangular to angular fine to coarse	2.70 (1.40)	11.77	[Horizontal dashed pattern]
							Hard red brown slightly gravelly sandy CLAY. Gravel is subangular angular fine to coarse	4.10 (0.90)	10.37	
							Very stiff to hard red brown slightly sandy gravelly CLAY. Gravel is subangular to angular fine to medium	5.00 (5.40)	9.47	[Horizontal dashed pattern]

Remarks

- Rotary PX casing installed at end of LCP hole.
- Annulus grouted with bentonite.
- Set up polymer flush system and PX rotary casing installed to 13.40m
- Commence coring 12.5m with T6-116 barrel with core line.
- On completion of boring borehole flushed with clean water to remove polymer
- Water level on completion 7.45m

Logged by **SB** Drilled by **GD**
Ground level **14.47mAD**
Co-ordinates: **E:349870 N:381714**



Location **Project ISIS EFW Plant Phase 2**

Borehole No.
KS5R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **30/11/2007** End Date: **03/12/2007** Final Depth: **35.40m**

Field Records	Drilling Records		Mechanical Log					Description	Strata		Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %	If mm		Depth & Thickness m	Reduced Level (m)	
								Very dense brown slightly gravelly fine to coarse grained SAND. Gravel is subrounded fine to medium	10.40	4.07	
									(1.80)		
-{30/11/2007}-								Highly weathered red SANDSTONE Light Cable Percussion Complete. Continued by Rotary Coring	12.20	2.27	
									(1.38)		
	CASED							Very weak, thickly bedded, red brown, very weakly cemented, moderately weathered, fine-grained SANDSTONE (Recovered as red brown fine to medium sand)	13.58 (0.22)	0.89	
-{02/12/2007}-								Very weak, thickly bedded, red brown, weakly cemented, slight to moderately weathered, fine-grained SANDSTONE with some thin bands of light grey green sandstone and occasional thin mudstone laminations. Discontinuity sets - Bedding 90 degrees to core axis is planar, smooth and clean	13.80	0.67	
						23					
									(6.20)		
						640					
									20.00	-5.53	

Remarks

1. Rotary PX casing installed at end of LCP hole.
2. Annulus grouted with bentonite.
3. Set up polymer flush system and PX rotary casing installed to 13.40m
4. Commence coring 12.5m with T6-116 barrel with core line.
5. On completion of boring borehole flushed with clean water to remove polymer
6. Water level on completion 7.45m

Logged by **SB** Drilled by **GD**
Ground level **14.47mAD**
Co-ordinates:
E:349870 N:381714



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS5R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **30/11/2007** End Date: **03/12/2007** Final Depth: **35.40m**

Field Records	Drilling Records		Mechanical Log				Description	Strata		Legend	
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		If mm	Depth & Thickness m		Reduced Level (m)
							492	Very weak, thickly bedded, red brown, weakly cemented, slight to moderately weathered, fine-grained SANDSTONE with some thin bands of light grey green sandstone and occasional thin mudstone laminations. Discontinuity sets - Bedding 90 degrees to core axis is planar, smooth and clean			
							713		(6.18)		
							100	Very weak, occasionally weak, thickly bedded, red brown, weakly cemented, slightly weathered, fine-grained SANDSTONE with some thin bands of light grey green sandstone Discontinuity sets - Bedding 90 degrees to core axis, planar, smooth, clean.	26.18	-11.71	
							107	Very weak, thickly bedded, red brown, very weakly cemented, slight to moderately weathered, fine-grained SANDSTONE with occasional thin bands of light grey green sandstone Discontinuity sets - Bedding 80-90 degrees to core axis, planar, smooth, clean. Joints are subvertical, planar to undulating smooth, clean.	(2.78)		
									28.96	-14.49	

Remarks

1. Rotary PX casing installed at end of LCP hole.
2. Annulus grouted with bentonite.
3. Set up polymer flush system and PX rotary casing installed to 13.40m
4. Commence coring 12.5m with T6-116 barrel with core line.
5. On completion of boring borehole flushed with clean water to remove polymer
6. Water level on completion 7.45m

Logged by **SB** Drilled by **GD**
 Ground level **14.47mAD**
 Co-ordinates: **E:349870 N:381714**

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Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS5R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **30/11/2007** End Date: **03/12/2007** Final Depth: **35.40m**

Field Records	Drilling Records		Mechanical Log					Description	Strata		Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %	If mm		Depth & Thickness m	Reduced Level (m)	
									(2.50)		
							116	Weak, occasionally very weak, medium to thickly bedded, red brown, weakly cemented, slightly weathered, fine-grained SANDSTONE with some thin bands of light grey green sandstone Discontinuity sets - Bedding 80-90 degrees to core axis, planar, smooth, clean	31.46	-16.99	
							70		(3.94)		
	CASED							Borehole Complete	35.40	-20.93	
{03/12/2007}-											

Remarks

1. Rotary PX casing installed at end of LCP hole.
2. Annulus grouted with bentonite.
3. Set up polymer flush system and PX rotary casing installed to 13.40m
4. Commence coring 12.5m with T6-116 barrel with core line.
5. On completion of boring borehole flushed with clean water to remove polymer
6. Water level on completion 7.45m

Logged by **SB** Drilled by **GD**
 Ground level **14.47mAD**
 Co-ordinates:
E:349870 N:381714



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS06

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Casing Diameter

Depth

23/01/2008

24/01/2008

14.30m

200mm

150mm

5.50m

14.30m

FIELD RECORDS	Samples / Tests				Description	Strata		
	Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}		Depth & Thickness m	Reduced Level (m)	Legend
		0.20		D 1	MADE GROUND of reinforced concrete	(0.20)	14.12	
		0.50		D 2	MADE GROUND of loose black ashy gravelly fine to medium grained sand with fine to medium concrete and small clay lumps	(0.80)		
1, 0- 0 ,1 ,0 ,1		1.00	1.45	S 1 (2)	MADE GROUND of very soft black brown sandy slightly gravelly clay. Gravel is subrounded to angular fine to medium and of clinker	1.00	13.32	
		1.00	1.50	B 1				
		1.00		D 3				
1, 0- 1 ,0 ,1 ,1		2.00	2.00	S 2 (3)	MADE GROUND of very soft brown black ashy sandy very gravelly clay with fine brick fragments. Gravel is subangular to angular fine to medium			
		2.00	2.50	B 2				
		2.40		W 1				
1, 0- 0 ,1 ,0 ,0		2.60	2.60	S* 3 (1)	MADE GROUND of very soft brown black sandy peaty slightly gravelly clay with fine brick fragments. Gravel is angular and fine			
		(0.00) 2.60	3.05	B 3				
			3.10					
{TSL2.90m} --{24/01/2008}--		3.60	3.60	S 4 (3)	MADE GROUND of very soft brown black sandy peaty slightly gravelly clay with fine brick fragments. Gravel is angular and fine			
		(0.00) 3.60	4.05	B 4				
			4.10					
--{24/01/2008}--					Bentonite seal installed from 3.50m to 5.50m			
1, 1- 1 ,1 ,2 ,1		4.60	4.60	S 5 (5)	Soft brown black sandy slightly gravelly CLAY. Gravel is subangular to rounded fine to medium			
		(0.00) 4.60	5.05	B 5				
			5.10					
[U60]		{5.50}	5.80	U 1 {101}	Stiff grey slightly sandy slightly gravelly CLAY with a medium pocket and fissure of brown fine to medium grained sand. Gravel is subangular fine to medium	5.70 (0.30)	8.62	
		6.30		D 4	Brown, with orange bands, slightly silty sandy gravelly CLAY. Gravel is subrounded to angular fine to medium		8.32	
						(1.30)		
23, 12- 5 ,5 ,8 ,12		7.30	7.30	S 6 (30)	Very stiff brown silty sandy gravelly CLAY. Gravel is subangular to subrounded fine to medium			
		(7.00) 7.30	7.75	B 6				
			7.80					
					Very stiff brown sandy slightly gravelly CLAY with occasional slightly sandy fissures. Gravel is angular to subrounded, flat fine to medium	7.30 (0.20)	7.02	
						7.50	6.82	
[U100]		8.80	9.25	U 2 {677}				
						(3.00)		
T2 9.30		9.30		D 5				

Remarks	1. Inspection pit completed 0.70x0.80x1.00m -11/2hr	Logged by	Drilled by
	2. CAT survey completed	AT	TM
	3. Water met at 2.40m - after 20mins water level at 2.30m and at 10.70m - after 20mins water level is 9.30m.	Ground level	
	4. Chiseling at 12.80m - 1hr	14.32mAD	
	5. Bentonite seal installed at 3.50m to 5.50m	Co-ordinates:	
	6. Casing reduced from 200mm to 150mm at 5.50m	E:349825	N:381672



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS06

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Diameter Casing Depth

23/01/2008

24/01/2008

14.30m

FIELD RECORDS	Samples / Tests					Description	Strata		Legend
	Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}	Depth & Thickness m		Reduced Level (m)		
7, 29- 25 ,75 /65mm M2 10.70	9.20	10.30	10.75	S 7 (100)	Very dense brown gravelly fine to medium grained SAND. Gravel is subrounded to angular fine to medium	10.50	3.82		
		10.30	10.80	B 7 ((214))		(0.80)			
		10.70		W 2		11.30	3.02		
3, 5- 5 ,5 ,4 ,5	11.50	11.50	11.95	S 8 (19)	Medium dense brown silty very gravelly fine to coarse grained SAND. Gravel is subrounded to subangular fine to medium - Blowing	(1.50)			
	{4.00}	11.50	12.00	B 8					
6, 18- 25 ,60 ,10 /15mm	12.90	13.00	13.45	S 9 (100)	Highly weathered red, with white banding, SANDSTONE	(1.50)			
	{5.00}	13.00	13.50	B 9 ((181))					
15, 30- /10mm 40 ,50 ,5 /10mm {TSL9.00m} --{24/01/2008}--	13.00	14.00	14.30	S 10 (100)	Light Cable Percussion Complete. Continued by Rotary Coring	14.30	0.02		
	{9.00}			((187))					

Remarks	Logged by	Drilled by
	AT	TM
	Ground level	
	14.32mAD	
	Co-ordinates:	
E:349825	N:381672	

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Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS06R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Casing Diameter **90mm** Depth **23.04m**

Job No.: **14183**

Start Date: **28/02/2008** End Date: **29/02/2008** Final Depth: **23.04m**

Field Records	Drilling Records						Mechanical Log	Description	Depth & Thickness m	Strata Reduced Level (m)	Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %					
							MADE GROUND of concrete reinforced	(0.20) 0.20	14.12		
							MADE GROUND of loose black ashy gravelly fine to medium grained sand with fine to medium concrete and small clay lumps	(0.80)			
							MADE GROUND of very soft black brown sandy slightly gravelly clay. Gravel is subrounded to angular fine to medium and of clinker	1.00 (1.40)	13.32		
							MADE GROUND of very soft brown black ashy sandy very gravelly clay with fine brick fragments. Gravel is subangular to angular fine to medium	2.40 (1.40)	11.92		
							MADE GROUND of very soft brown black sandy peaty slightly gravelly clay with fine brick fragments. Gravel is angular and fine	3.80 (0.90)	10.52		
							Soft brown black sandy slightly gravelly CLAY. Gravel is subangular to rounded fine to medium	4.70 (1.00)	9.62		
							Stiff grey slightly sandy slightly gravelly CLAY with a medium pocket and fissure of brown fine to medium grained sand. Gravel is subangular fine to medium	5.70 (0.30) 6.00	8.62 8.32		
							Brown, with orange bands, slightly silty sandy gravelly CLAY. Gravel is subrounded to angular fine to medium	(1.30)			
							Very stiff brown silty sandy gravelly CLAY. Gravel is subangular to subrounded fine to medium	7.30 (0.20) 7.50	7.02 6.82		
							Very stiff brown sandy slightly gravelly CLAY with occasional slightly sandy fissures. Gravel is angular to subrounded, flat fine to medium	(3.00)			

Remarks
 1. Borehole drilled with light cable percussive equipment to 14.30m.
 2. T6116 core barrel with polymer flush, 90mm core.
 3. ODEX casing installed to 14.30m.
 4. Borehole grouted on completion.

Logged by **SJB** Drilled by **GD**
 Ground level **14.32mAD**
 Co-ordinates:
E:349825 N:381672



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS06R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **28/02/2008** End Date: **29/02/2008** Final Depth: **23.04m**

Field Records	Drilling Records		Mechanical Log				Description	Strata		Legend	
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		If mm	Depth & Thickness m		Reduced Level (m)
-{28/02/2008}-	90mm	14.30	1	107	106	90	613	Very dense brown gravelly fine to medium grained SAND. Gravel is subrounded to angular fine to medium	10.50	3.82	
								Medium dense brown silty very gravelly fine to coarse grained SAND. Gravel is subrounded to subangular fine to medium - Blowing	11.30	3.02	
								Highly weathered red, with white banding, SANDSTONE	12.80	1.52	
								Light Cable Percussion Complete. Continued by Rotary Coring	14.30	0.02	
							Red brown fine to medium sand (Weathered SANDSTONE) <i>Light green fine to medium sandstone from 14.66m to 15.28m</i>	14.67	-0.35		
							Very weak, medium to thickly bedded, red brown, slight to moderately weathered, very weakly cemented, fine- to medium-grained SANDSTONE with occasional thin bands of light green sandstone. Discontinuity sets - Bedding 80 to 90 degrees to core axis, planar, smooth, clean. (Some sections recovered as red brown fine to medium sand)				
	90mm	17.12									
	90mm		2	98	88	65	258	Zone of sub-vertical joints infilled with firm brown sandy clay (max. separation 50mm) from 18.97m to 19.97m	(8.37)		

Remarks

- Borehole drilled with light cable percussive equipment to 14.30m.
- T6116 core barrel with polymer flush, 90mm core.
- ODEX casing installed to 14.30m.
- Borehole grouted on completion.

Logged by **SJB** Drilled by **GD**

Ground level

14.32mAD

Co-ordinates:

E:349825

N:381672



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS06R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **28/02/2008** End Date: **29/02/2008** Final Depth: **23.04m**

Field Records	Drilling Records		Mechanical Log				Description	Strata		Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		If mm	Depth & Thickness m	
		20.22								
	90mm		3	98	95	92	470			
	CASED									
-{29/02/2008}-							Borehole Complete		23.04	-8.72

Remarks
 1. Borehole drilled with light cable percussive equipment to 14.30m.
 2. T6116 core barrel with polymer flush, 90mm core.
 3. ODEX casing installed to 14.30m.
 4. Borehole grouted on completion.

Logged by **SJB** Drilled by **GD**
 Ground level **14.32mAD**
 Co-ordinates: **E:349825 N:381672**



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS07

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Casing Diameter
200mm
150mm

Casing Depth
3.00m
14.00m

05/12/2007

13/12/2007

14.45m

FIELD RECORDS

Samples / Tests

Description

Strata

Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}
	0.30	D 1	
	0.50	D 2	
	1.00	D 3	
	1.10	U 1	
	1.70	D 4	
2, 2- 3, 3, 2, 3	2.00	S 1	(11)
	2.00	B 1	
	3.00	U* 2	
	3.00	B 2	
	4.00	U 3	{591}
	4.60	D 5	
4, 6- 8, 8, 10, 13	4.70	S 2	(39)
	5.00	B 3	
	6.50	U 4	{310}
	7.10	D 6	
	8.50	S 3	(41)
	8.50	B 4	

Depth & Thickness m	Reduced Level (m)	Legend
(0.20)	14.00	
0.20		
(0.70)		
0.90	13.30	
(0.90)		
1.80	12.40	
(2.20)		
4.00	10.20	
(4.00)		
8.00	6.20	
(2.10)		

				MADE GROUND of grass over topsoil	
				MADE GROUND of black angular fine to medium brick and concrete fragments with some medium sized pieces of wood and fine to medium clinker	
[U15]				MADE GROUND of soft brown slightly sandy gravelly CLAY. Gravel is angular and fine (occasionally medium)	
				Firm brown slightly sandy slightly gravelly CLAY. Gravel is angular and fine	
2, 2- 3, 3, 2, 3				Bentonite seal installed from 1.00m to 3.00m	
				Very stiff brown slightly sandy gravelly CLAY. Gravel is subangular and angular fine to medium	
				Dense red brown slightly clayey slightly gravelly fine to medium grained SAND. Gravel is angular and fine	

Remarks

- CAT survey completed
- Inspection pit completed - 0.60x0.70x1.00m - 1hr
- Bentonite seal installed at 3.00m to 1.00m
- Casing reduced from 200mm to 150mm at 3.00m
- Drilling tools stuck at 10.10m casing pulled back to free tools. Borehole collapsed at 7.60m redrilled to 11.00m
- Water added to assist drilling at 8.00m

Logged by **AT** Drilled by **GB**
Ground level **14.20mAD**
Co-ordinates: **E:349912 N:381669**



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS07

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Diameter Casing Depth

05/12/2007

13/12/2007

14.45m

FIELD RECORDS

Samples / Tests

Description

Strata

Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}
--------------------------	-------------------	------------------	-------------

Depth & Thickness m	Reduced Level (m)	Legend
---------------------	-------------------	--------

6, 9-
11, 15, 16, 16

10.50	10.50	10.95	S 4	(58)
10.40	10.50	11.00	B 5	

Very dense brown fine to coarse grained SAND and angular fine to medium GRAVEL

10.10 4.10

--{13/12/2007}--

(3.30)

6, 10-
15, 18, 20, 24

12.50	12.50	12.95	S 5	(77)
	12.50	13.00	B 6	

Highly weathered red fine SANDSTONE (Recovered as red fine grained SAND)

13.40 0.80

9, 14-
25, 75 /85mm

13.50	13.50	13.95	S 6	(100)
	13.50	14.00	B 7	((187))

(0.71)

10, 24-
25 /50m, 75 /60mm

14.00	14.00	14.45	S 7	(100)
				((272))

14.11 0.09

--{13/12/2007}--

Light Cable Percussion Complete.
Continued by Rotary Coring

Remarks

Logged by **AT** Drilled by **GB**
Ground level
14.20mAD
Co-ordinates:
E:349912 N:381669



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS7R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Casing Diameter **90mm** Depth **25.70m**

Job No.: **14183**

Start Date: **18/01/2008** End Date: **22/01/2008** Final Depth: **25.70m**

Field Records	Drilling Records		Mechanical Log					Description	Strata		Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %	if mm		Depth & Thickness m	Reduced Level (m)	
								MADE GROUND of grass over topsoil	(0.20) 0.20	14.00	
								MADE GROUND of black angular fine to medium brick and concrete fragments with some medium sized pieces of wood and fine to medium clinker	(0.70) 0.90	13.30	
								MADE GROUND of soft brown slightly sandy gravelly CLAY. Gravel is angular and fine (occasionally medium)	(0.90) 1.80	12.40	
								Firm brown slightly sandy slightly gravelly CLAY. Gravel is angular and fine	(2.20) 4.00	10.20	
								Very stiff brown slightly sandy gravelly CLAY. Gravel is subangular and angular fine to medium	(4.00) 8.00	6.20	
								Dense red brown slightly clayey slightly gravelly fine to medium grained SAND. Gravel is angular and fine	(2.10)		

Remarks 1. Borehole drilled with light cable percussive equipment to 14.11m
2. T6116 core barrel, 90mm core.
3. Water and polymer flush.

Logged by **SJB** Drilled by **GD**
Ground level **14.20mAD**
Co-ordinates:
E:349912 N:381669

30/04/2008 11:07:09
SSL-strata core-08/05 Rev/B1



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS7R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **18/01/2008** End Date: **22/01/2008** Final Depth: **25.70m**

Field Records	Drilling Records		Mechanical Log				Description	Strata		Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		If mm	Depth & Thickness m	
-{18/01/2008}-	90mm	13.90	1	21	19	0	Very dense brown fine to coarse grained SAND and angular fine to medium GRAVEL	10.10	4.10	
								(3.30)		
-{21/01/2008}-	90mm	17.30	2	161	79	53	Highly weathered red fine SANDSTONE (Recovered as red fine grained SAND)	13.40	0.80	
							(0.71)			
							Very weak, thinly bedded, moderately to highly weathered, very weakly cemented, fine-grained SANDSTONE with occasional thin bands of light green sandstone. (Recovered as red brown fine grained sand)	14.11	0.09	
								(2.98)		
							Very weak, thinly to medium bedded, moderately weathered, very weakly cemented, fine-grained SANDSTONE with occasional thin bands of light green sandstone. (Some sections recovered as red brown fine sand). Discontinuity sets - Bedding 80 degrees to core axis, planar, smooth, clean. Cross bedding 70 degrees to core axis, planar, smooth, clean.	17.09	-2.89	
								(3.09)		

Remarks 1. Borehole drilled with light cable percussive equipment to 14.11m
 2. T6116 core barrel, 90mm core.
 3. Water and polymer flush.

Logged by **SJB** Drilled by **GD**

Ground level

14.20mAD

Co-ordinates:

E:349912

N:381669

30/04/2008 11:07:09

SSL-strata core-08/05 Rev/B1



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS7R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **18/01/2008** End Date: **22/01/2008** Final Depth: **25.70m**

Field Records	Drilling Records		Mechanical Log					Description	Depth & Thickness m	Strata Reduced Level (m)	Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %	If mm				
	90mm	20.35						Very weak, thinly to medium bedded, moderately to slightly weathered, very weakly cemented, fine-grained SANDSTONE with occasional thin bands of light green sandstone. (Some sections recovered as red brown fine sand). Discontinuity sets - Bedding 80 degrees to core axis, planar, smooth, clean.	20.18	-5.98	
		4	101	99	94	501	(3.18)				
	90mm	23.36						Very weak, highly weathered, very weakly cemented, fine-grained SANDSTONE (Recovered as red brown fine sand)	23.36	-9.16	
			5	112	112	94	297		23.62	-9.42	
	CASED							Very weak, thinly to medium bedded, moderately to slightly weathered, very weakly cemented, fine-grained SANDSTONE with occasional thin bands of light green sandstone. (Some sections recovered as red brown fine sand). Discontinuity sets - Bedding 80 degrees to core axis, planar, smooth, clean.	(2.08)		
								Borehole Complete	25.70	-11.50	
-{22/01/2008}-											

Remarks 1. Borehole drilled with light cable percussive equipment to 14.11m
 2. T6116 core barrel, 90mm core.
 3. Water and polymer flush.

Logged by **SJB** Drilled by **GD**
 Ground level **14.20mAD**
 Co-ordinates:
E:349912 N:381669



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS08

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Casing Diameter
200mm
150mm

Casing

Depth
3.00m
12.20m

16/01/2008

22/01/2008

12.20m

FIELD RECORDS

Samples / Tests

Description

Strata

Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}
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Depth & Thickness m	Reduced Level (m)	Legend
---------------------	-------------------	--------

				Test pit	(1.00)		
--{17/01/2008}-- [U20]	1.00	1.45	U 1	MADE GROUND of soft brown sandy clay and brick fill	1.00	13.58	
	1.50		D 3	Medium dense red brown sandy gravelly CLAY. Gravel is rounded to subangular fine to medium	1.30	13.28	
--{21/01/2008}-- [U40]	2.00	2.45	U 2 {104}	Bentonite seal installed from 1.00m to 3.00m	(1.00)		
	2.55		D 4	Stiff red brown sandy gravelly CLAY with pockets of red fine to coarse grained sand. Gravel is rounded to subangular fine to coarse	2.30	12.28	
--{21/01/2008}-- [U50]	3.20	3.65	U 3 {143}				
	3.70		D 5		(2.70)		
[U60]	4.20	4.65	U 4				
	4.70		D 6				
[U150]	5.20	5.65	U 5 {0}	Very dense red brown clayey gravelly fine to medium grained SAND. Gravel is subangular to subrounded fine to coarse	5.00	9.58	
	5.70		D 7				
10, 17- 27 ,33 ,35 ,5 /10mm	6.20	6.70	S 1 (100)		(3.10)		
	6.70	7.15	B 1 ((127))				
4, 5- 5 ,6 ,7 ,9	8.20	8.20	S 2 (27)	Medium dense red brown slightly silty fine to coarse grained SAND. Water added to assist drilling	8.10	6.48	
	8.20	8.70	B 2				
	8.70		W 1		(1.40)		
4, 6- 6 ,8 ,8 ,10	9.70	9.70	S 3 (32)	Dense yellow brown slightly gravelly fine to coarse grained SAND. Gravel is rounded and fine	9.50	5.08	
	(9.70)	9.70	B 3				

Remarks

1. Inspection pit completed
2. Bentonite seal installed at 1.00m to 3.00m
3. Casing reduced from 200mm to 150mm at 3.00m
4. 8.70m overnight standing water at 11.00m on 22/01/2008 AM

Logged by Drilled by

AT TM
Ground level

14.58mAD

Co-ordinates:

E:349874 N:381657



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS08

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Diameter Casing Depth

16/01/2008

22/01/2008

12.20m

FIELD RECORDS

Samples / Tests

Description

Strata

Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}
--------------------------	-------------------	------------------	-------------

Depth & Thickness m	Reduced Level (m)	Legend
---------------------	-------------------	--------

15, 25- (TSL8.70m) --{22/01/2008}--
70 ,30 /25mm

11.00 {8.70}	11.00	11.45	S 4	(100)
	11.00	11.50	B 4	((300))

Highly weathered red, with white banding, SANDSTONE

10.90 3.68

13, 22- /50mm (TSL8.70m) --{22/01/2008}--
65 ,35/25mm

11.00 {8.70}	12.00	12.20	S 5	(100) ((300))
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Light Cable Percussion Complete.
Continued by Rotary Coring

12.20 2.38

Remarks

Logged by **AT** Drilled by **TM**
Ground level
14.58mAD
Co-ordinates:
E:349874 N:381657



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS08R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Casing Diameter **90mm** Depth **23.15m**

Job No.: **14183**

Start Date: **10/03/2008** End Date: **12/03/2008** Final Depth: **23.15m**

Field Records	Drilling Records		Mechanical Log					Description	Strata		Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %	If mm		Depth & Thickness m	Reduced Level (m)	
								Test pit	(1.00)		
								MADE GROUND of soft brown sandy clay and brick fill	1.00 (0.30)	13.58	
								Medium dense red brown sandy gravelly CLAY. Gravel is rounded to subangular fine to medium	1.30 (1.00)	13.28	
								Stiff red brown sandy gravelly CLAY with pockets of red fine to coarse grained sand. Gravel is rounded to subangular fine to coarse	2.30 (2.70)	12.28	
								Very dense red brown clayey gravelly fine to medium grained SAND. Gravel is subangular to subrounded fine to coarse	5.00 (3.10)	9.58	
								Medium dense red brown slightly silty fine to coarse grained SAND. Water added to assist drilling	8.10 (1.40)	6.48	
								Dense yellow brown slightly gravelly fine to coarse grained SAND. Gravel is rounded and fine	9.50	5.08	

Remarks
 1. Borehole drilled with light cable percussive equipment to 12.00m.
 2. T6116 core barrel with polymer flush, 90mm core.
 3. ODEX casing installed to 12.00m.
 4. Borehole grouted on completion

Logged by **SJB** Drilled by **GD**
 Ground level **14.58mAD**
 Co-ordinates:
E:349874 N:381657



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS08R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **10/03/2008** End Date: **12/03/2008** Final Depth: **23.15m**

Field Records	Drilling Records		Mechanical Log				Description	Strata		Legend	
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		If mm	Depth & Thickness m		Reduced Level (m)
-{10/03/2008}-	90mm	12.00					Highly weathered red, with white banding, SANDSTONE	(1.40)			
							Light Cable Percussion Complete. Continued by Rotary Coring	10.90	3.68		
-{11/03/2008}-	90mm	14.20	1	29	29	11	Very weak, medium bedded, red brown, very weakly cemented, moderately to highly weathered, fine- to medium-grained SANDSTONE with occasional thin bands of light grey green sandstone Discontinuity sets - Bedding 80 degrees to core axis, planar, smooth, clean. Joints Sub-vertical, planar, smooth, clean. (Some sections of very weakly cemented sandstone recovered as red brown fine to medium sand)	(1.30)			
		14.93	2	41	25	16		146	12.20	2.38	
								Very weakly cemented sandstone, recovered as sand from 14.93m to 15.12m			
		17.70	3	111	108	90	215	Light green sandstone from 16.88m to 17.34m			
	90mm		4	99	98	94		(10.95)			

Remarks
 1. Borehole drilled with light cable percussive equipment to 12.00m.
 2. T6116 core barrel with polymer flush, 90mm core.
 3. ODEX casing installed to 12.00m.
 4. Borehole grouted on completion

Logged by **SJB** Drilled by **GD**
 Ground level **14.58mAD**
 Co-ordinates:
E:349874 N:381657



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS08R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **10/03/2008** End Date: **12/03/2008** Final Depth: **23.15m**

Field Records	Drilling Records		Mechanical Log				Description	Strata		
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		If mm	Depth & Thickness m	Reduced Level (m)
- {12/03/2008} -	90mm	20.77					<i>Very weak, medium bedded, red brown, very weakly cemented, moderately to highly weathered, fine- to medium-grained SANDSTONE with occasional thin bands of light grey green sandstone. Discontinuity sets - Bedding 80 degrees to core axis, planar, smooth, clean. Joints Sub-vertical, planar, smooth, clean. (Some sections of very weakly cemented sandstone recovered as red brown fine to medium sand)</i>	23.15	-8.57	
			5	97	97	88				
	CASED						Borehole Complete			

Remarks

- Borehole drilled with light cable percussive equipment to 12.00m.
- T6116 core barrel with polymer flush, 90mm core.
- ODEX casing installed to 12.00m.
- Borehole grouted on completion

Logged by **SJB** Drilled by **GD**
 Ground level **14.58mAD**
 Co-ordinates: **E:349874 N:381657**



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS09

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Casing Diameter
200mm
150mm

Depth
3.90m
18.70m

20/02/2008

27/02/2008

18.90m

FIELD RECORDS	Samples / Tests				Description	Strata		
	Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}		Depth & Thickness m	Reduced Level (m)	Legend
		0.20		D 1	MADE GROUND of black ashy fine to medium grained sand with graded granular limestone	(0.45)		
		0.50		D 2	MADE GROUND of loose black ashy fine to medium grained sand with fine to medium clinker, fine ceramic fragments and small soft light brown clay pockets	0.45	18.42	
1, 0-		1.00	1.45	S 1 (3)		(2.00)		
1, 0, ,1, ,1		1.00	1.50	B 1				
		1.00		D 3				
1, 0- 21/02/2008		1.80	2.00	S 2 (2)	Very soft brown slightly sandy CLAY	2.45	16.42	
1, 0, ,1, 0 22/02/2008		2.00	2.50	B 2		(0.55)		
		2.60	3.05	U 1	Bentonite seal installed from 1.90m to 3.90m			
		3.20	3.10	D 4	Loose light brown fine to medium grained SAND	3.00	15.87	
1, 0-		3.10	3.65	W 1 (6)		(0.20)	15.67	
1, 0, ,2, ,1, ,2		3.20	3.70	S 3		(0.80)		
		3.20		B 3				
		4.20	4.65	U 2	Firm brown slightly sandy gravelly CLAY. Gravel is subangular to subrounded fine to medium	4.00	14.87	
		4.70		D 5	Stiff brown slightly sandy gravelly CLAY. Gravel is subangular to subrounded and fine to medium	4.40	14.47	
		5.20	5.65	U 3 {167}		(3.60)		
		5.70		D 6				
2, 2-		6.20	6.70	S 4 (18)	Stiff brown very sandy gravelly CLAY. Gravel is subrounded to subangular fine to medium - water added at 9.00m	8.00	10.87	
2, 2, ,4, ,5, ,7		6.70	7.15	B 4		(3.00)		
		8.20	8.65	S* 5 (100)				
		8.20	8.70	B 5				
25, 0-		8.50		W 2				
22, 30, 30, ,18								
		9.20	9.80	S 6 (74)				
7, 20-		9.80	10.25	B 6				
14, 12, 15, ,33			10.30					

Remarks

- CAT survey complete
- Inspection pit 0.7x0.7x1.0m, 1hr
- Bentonite seal installed 1.9m to 3.9m
- Water met at 3.10m after 20mins water level 2.35m
- Water met at 8.50m after 20mins standing at 7.20
- Water met at 13.70m after 20mins standing at 12.00m
- Continued by rotary coring"

Logged by Drilled by

AT TM

Ground level

18.87mAD

Co-ordinates:

E:349950

N:381652



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS09

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Diameter Casing Depth

20/02/2008

27/02/2008

18.90m

FIELD RECORDS	Samples / Tests					Description	Strata		Legend
	Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}	Depth & Thickness m		Reduced Level (m)		
--{22/02/2008}--						-Stiff brown very sandy gravelly CLAY. Gravel is subrounded to subangular fine to medium	11.00	7.87	
						Very stiff brown very sandy gravelly CLAY. Gravel is subrounded to subangular fine to medium	(0.60)		
6, 11- 18 ,25 ,38 ,19 /25mm T3 12.00	11.60	11.70 11.70	12.15 12.20	S 7 B 7	(100) ((120))	Very dense light red brown slightly gravelly fine to coarse grained SAND. Gravel is subangular to subrounded and fine. Water added to assist drilling	11.60	7.27	
							(1.60)		
8, 6- 6 ,8 ,7 ,6 M3 13.70	13.70	13.70 13.70 13.80	14.15 14.20	S 8 B 8 W 3	(27)	Medium dense to dense light brown fine to coarse grained SAND and fine to medium (predominantly fine) GRAVEL. Blowing at 14.00	13.20	5.67	
							(3.90)		
5, 6- 8 ,8 ,11 ,10	15.70 {0.00}	15.70 15.70	16.15 16.20	S 9 B 9	(37)				
--{22/02/2008}--									
{TSL17.00m} --{25/02/2008}--						Highly weathered red SANDSTONE	17.10	1.77	
18, 7- /20mm 38,52 ,10 /10mm	17.50 {13.80}	17.50 17.50	17.95 18.00	S 10 B 10	(100) ((187))				
							(1.80)		
18, 7- /30mm 32 ,44 ,24 /40mm {TSL15.60m} --{27/02/2008}--	17.80 {15.60}	18.50	18.90	S 11	(100) ((157))	Light Cable Percussion Complete. Continued by Rotary Coring	18.90	-0.03	

Remarks	Logged by AT Drilled by TM Ground level 18.87mAD Co-ordinates: E:349950 N:381652
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Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS09R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Casing Diameter **90mm** Depth **27.00m**

Job No.: **14183**

Start Date: **16/04/2008** End Date: **17/04/2008** Final Depth: **27.00m**

Field Records	Drilling Records						Mechanical Log	Description	Depth & Thickness m	Strata Reduced Level (m)	Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %					
							MADE GROUND of black ashy fine to medium grained sand with graded granular limestone	(0.45) 0.45	18.42		
							MADE GROUND of loose black ashy fine to medium grained sand with fine to medium clinker, fine ceramic fragments and small soft light brown clay pockets	(2.00)			
							Very soft brown slightly sandy CLAY	2.45 (0.55)	16.42		
							Loose light brown fine to medium grained SAND	3.00 (0.20)	15.87		
							Loose orange brown fine to medium grained SAND	3.20 (0.80)	15.67		
							Firm brown slightly sandy gravelly CLAY. Gravel is subangular to subrounded fine to medium	4.00 (0.40)	14.87		
							Stiff brown slightly sandy gravelly CLAY. Gravel is subangular to subrounded and fine to medium	4.40	14.47		
							Stiff brown very sandy gravelly CLAY. Gravel is subrounded to subangular fine to medium - water added at 9.00m	(3.60) 8.00	10.87		
								(3.00)			

Remarks
 1. Borehole drilled with light cable percussive equipment to 18.90.
 2. T6116 core barrel with polymer flush, 90mm core.
 3. ODEX casing installed to 18.00m.
 4. Borehole grouted on completion with 4:1 bentonite/cement grout.

Logged by **SJB** Drilled by **GD**
 Ground level **18.87mAD**
 Co-ordinates: **E:349950 N:381652**



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS09R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **16/04/2008** End Date: **17/04/2008** Final Depth: **27.00m**

Field Records	Drilling Records		Mechanical Log				Description	Strata		Legend	
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		If mm	Depth & Thickness m		Reduced Level (m)
-16/04/2008-	90mm	18.00	1	58	50	22	270	Stiff brown very sandy gravelly CLAY. Gravel is subrounded to subangular fine to medium	11.00	7.87	
								Very stiff brown very sandy gravelly CLAY. Gravel is subrounded to subangular fine to medium	(0.60)		
								Very dense light red brown slightly gravelly fine to coarse grained SAND. Gravel is subangular to subrounded and fine. Water added to assist drilling	11.60	7.27	
									(1.60)		
								Medium dense to dense light brown fine to coarse grained SAND and fine to medium (predominantly fine) GRAVEL. Blowing at 14.00	13.20	5.67	
		(3.90)									
		17.10	1.77	Highly weathered red SANDSTONE							
		18.00					Light Cable Percussion Complete. Continued by Rotary Coring Very weak red brown sandstone, large sections recovered as sand from 18.00m to 19.35m	(1.80)			
		18.90							-0.03		
		19.35					Very weak, medium to thickly bedded, red brown, very weakly cemented, slight to moderately weathered, fine- to medium-grained SANDSTONE with thin bands of light green sandstone. Discontinuity sets - Bedding 80 to 90 degrees to core axis, planar, smooth, clean. (Some sections of very weakly cemented sandstone recovered as red brown fine to medium sand)				

Remarks 1. Borehole drilled with light cable percussive equipment to 18.90.
2. T6116 core barrel with polymer flush, 90mm core.
3. ODEX casing installed to 18.00m.
4. Borehole grouted on completion with 4:1 bentonite/cement grout.

Logged by **SJB** Drilled by **GD**

Ground level **18.87mAD**

Co-ordinates:

E:349950 N:381652



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS09R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **16/04/2008** End Date: **17/04/2008** Final Depth: **27.00m**

Field Records	Drilling Records		Mechanical Log					Description	Strata	
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %	If mm		Depth & Thickness m	Reduced Level (m)
	90mm	22.45	2	98	97	94	775	<p><i>Very weak, medium to thickly bedded, red brown, very weakly cemented, slight to moderately weathered, fine to medium-grained SANDSTONE with thin bands of light green sandstone. Discontinuity sets - Bedding 80 to 90 degrees to core axis, planar, smooth, clean. (Some sections of very weakly cemented sandstone recovered as red brown fine to medium sand)</i></p>		
	90mm	25.52	3	98	95	95	439			
	90mm		4	100	95	87	296			
	CASED									
-{17/04/2008}-										
							Borehole Complete		27.00	-8.13

Remarks

- Borehole drilled with light cable percussive equipment to 18.90.
- T6116 core barrel with polymer flush, 90mm core.
- ODEX casing installed to 18.00m.
- Borehole grouted on completion with 4:1 bentonite/cement grout.

Logged by **SJB** Drilled by **GD**
 Ground level **18.87mAD**
 Co-ordinates:
E:349950 N:381652



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS10

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Casing Diameter

Depth

19/11/2007

23/11/2007

12.28m

250mm

200mm

3.00m

12.00m

FIELD RECORDS	Samples / Tests				Description	Strata		Legend
	Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}		Depth & Thickness m	Reduced Level (m)	
		0.30	D 1		MADE GROUND of graded granular limestone	(0.25)	14.99	
		0.50	D 2		MADE GROUND of soft brown, with black mottled slightly sandy ashly gravelly clay with clinker. Gravel is angular and fine to medium	(0.75)		
		1.00	D 3			1.00	14.24	
[U35]		1.20	U 1	{103}	Firm to stiff brown slightly sandy gravelly CLAY. Gravel is subangular and subrounded fine to coarse			
		1.70	D 4					
--{20/11/2007}--					Bentonite seal installed from 1.00m to 3.00m			
2, 3-	2.00	2.20	S 1	(13)				
3 ,4 ,3 ,3		2.20	B 1			(3.50)		
--{20/11/2007}--								
[U40]		3.20	U 2					
		3.70	D 5					
3, 4-	4.20	4.20	S 2	(21)				
5 ,5 ,6 ,5		4.20	B 2			4.50	10.74	
		5.20	U 3	{490}	Stiff to hard brown slightly sandy gravelly CLAY. Gravel is subangular and subrounded fine to coarse			
		5.70	D 6			(2.70)		
--{21/11/2007}--								
5, 6-	6.30	6.50	S 3	(53)				
11 ,11 ,13 ,18		6.50	B 3					
		8.00	S 4	(19)	Medium dense brown slightly clayey slightly gravelly fine to medium grained SAND. Gravel is angular to subangular fine to medium	7.20	8.04	
3, 3-		8.00	B 4			(1.80)		
4 ,5 ,5 ,5		8.00						
M1 7.90		9.00	W 1			9.00	6.24	
		9.50	S 5	(76)	Very dense brown gravelly fine to coarse grained SAND and clay pockets. Gravel is subangular to rounded fine to medium			
2, 5-	9.50	9.50	B 5					
10 ,17 ,21 ,28	(9.00)	9.50						
{TSL8.90m}								
--{23/11/2007}--								

Remarks

- CAT survey completed
- Inspection pit completed 1.00x1.00x1.00m - 1hr
- Bentonite seal installed at 1.00m to 3.00m
- Casing reduced from 250mm to 200mm at 3.00m
- Chiseling at 6.10m to 6.40m for 30mins and at 11.40m for 30mins

Logged by Drilled by

AT GB

Ground level

15.24mAD

Co-ordinates:

E:349908

N:381636



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS10

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Diameter Casing Depth

19/11/2007

23/11/2007

12.28m

FIELD RECORDS

Samples / Tests

Description

Strata

Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}
11.50	11.50	11.95 S 6	(100)
{11.20}	11.50	12.00 B 6	((222))
12.00	12.00	12.28 S 7	(100)
{10.60}			((222))

Depth & Thickness m	Reduced Level (m)	Legend
(2.40)		
11.40	3.84	
(0.88)		
12.28	2.96	

16, 24-
49 ,51 /60mm

21, 25-
53 ,47/60mm
{TSL10.60m}
--{23/11/2007}--

-Very dense brown gravelly fine to coarse grained SAND and clay pockets. Gravel is subangular to rounded fine to medium

Highly weathered red brown SANDSTONE

Light Cable Percussion Complete.
Continued by Rotary Coring

Remarks

Logged by **AT** Drilled by **GB**
Ground level
15.24mAD
Co-ordinates:
E:349908 N:381636



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS10R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Casing Diameter **90mm** Depth **20.74m**

Job No.: **14183**

Start Date: **25/01/2008** End Date: **29/01/2008** Final Depth: **20.74m**

Field Records	Drilling Records						Mechanical Log	Description	Depth & Thickness m	Strata Reduced Level (m)	Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %					
							MADE GROUND of graded granular limestone	(0.25) 0.25	14.99		
							MADE GROUND of soft brown, with black mottled slightly sandy ashy gravelly clay with clinker. Gravel is angular and fine to medium	(0.75) 1.00	14.24		
							Firm to stiff brown slightly sandy gravelly CLAY. Gravel is subangular and subrounded fine to coarse	(3.50) 4.50	10.74		
							Stiff to hard brown slightly sandy gravelly CLAY. Gravel is subangular and subrounded fine to coarse	(2.70) 7.20	8.04		
							Medium dense brown slightly clayey slightly gravelly fine to medium grained SAND. Gravel is angular to subangular fine to medium	(1.80) 9.00	6.24		
							Very dense brown gravelly fine to coarse grained SAND and clay pockets. Gravel is subangular to rounded fine to medium				

Remarks
 1. Borehole drilled with light cable percussive equipment to 12.28m
 2. T6116 core barrel, 90mm core.
 3. Water and polymer flush.
 4. ODEX casing installed to 12.15m.

Logged by **SJB** Drilled by **GD**
 Ground level **15.24mAD**
 Co-ordinates:
E:349908 N:381636

30/04/2008 11:16:22

SSL-strata core-08/05 Rev B1



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS10R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **25/01/2008** End Date: **29/01/2008** Final Depth: **20.74m**

Field Records	Drilling Records		Mechanical Log				Description	Strata		Legend	
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		If mm	Depth & Thickness m		Reduced Level (m)
-{25/01/2008}-	90mm	12.15	1	100	95	81	349	(2.40)	3.84	(0.90)	
		14.74						11.40			2.94
		17.74						12.30			2.94
		(7.90)						2.94			2.94
90mm	17.74	2	101	100	98	750		(7.90)			
90mm	17.74	3	102	100	98	750					

Remarks

- Borehole drilled with light cable percussive equipment to 12.28m
- T6116 core barrel, 90mm core.
- Water and polymer flush.
- ODEX casing installed to 12.15m.

Logged by **SJB** Drilled by **GD**
 Ground level **15.24mAD**
 Co-ordinates:
E:349908 N:381636

30/04/2008 11:16:22 SSI-strata core-08/05 Rev/B1



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS10R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **25/01/2008** End Date: **29/01/2008** Final Depth: **20.74m**

Field Records	Drilling Records		Mechanical Log				Description	Strata		Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		If mm	Depth & Thickness m	
-{29/01/2008}-	CASED						Very weak to weak, thinly to medium bedded, slightly weathered, very weakly cemented, fine- to medium-grained SANDSTONE with occasional thin bands of light green sandstone. Discontinuity sets - Bedding 80 degrees to core axis, planar, smooth, clean. Borehole Complete	20.20 (0.54) 20.74	-4.96 -5.50	

Remarks

- Borehole drilled with light cable percussive equipment to 12.28m
- T6116 core barrel, 90mm core.
- Water and polymer flush.
- ODEX casing installed to 12.15m.

Logged by **SJB** Drilled by **GD**
 Ground level **15.24mAD**
 Co-ordinates:
E:349908 N:381636



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS11

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Casing Diameter
150mm

Depth
12.00m

07/01/2008

15/01/2008

12.00m

FIELD RECORDS	Samples / Tests				Description	Strata		
	Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}		Depth & Thickness m	Reduced Level (m)	Legend
		0.20		D 1	MADE GROUND of tarmac	(0.10)	14.37	
		0.50		D 2	MADE GROUND of ashy gravelly fine to coarse grained SAND with cobble sized fragments of concrete and fine to medium clinker. Gravel is subrounded to subangular fine to medium	0.10 (0.70)		
1, 2- 2 ,1 ,2 ,1	1.00	1.00 1.45	S 1	(6)	MADE GROUND of soft dark brown ashy clay with fine to medium brick fragments and fine to coarse clinker	0.80	13.67	
		1.00 1.50	B 1					
		1.00	D 3					
1, 0- 1 ,2 ,2 ,2	2.00	2.00 2.45	S* 2	(7)	Stiff red brown slightly sandy gravelly CLAY. Gravel is subangular to subrounded fine to medium	(2.00)		
		2.00 2.45	B 2					
--{08/01/2008}-- [U34]		3.00 3.45	U 1	{165}	Bentonite seal installed from 3.80m to 5.80m	2.80	11.67	
		3.50	D 4					
--{09/01/2008}--								
3, 4- 4 ,5 ,5 ,4	4.00	4.00 4.45	S 3	(18)	Very stiff brown grey sandy gravelly CLAY. Gravel is subangular to subrounded fine to medium	(3.50)		
		4.00 4.50	B 3					
[U63]		5.00 5.45	U 2					
		5.50	D 5					
4, 7- 9 ,11 ,11 ,13	6.20	6.50 6.95	S 4	(44)		6.30	8.17	
		6.50 7.00	B 4					
[U152]		8.00 8.45	U 3	{288}		(3.90)		
--{09/01/2008}--		8.50	D 6					
6, 10- 14 ,16 ,21 ,26	9.20	9.50 9.95	S 5	(87)				
		9.50 10.00	B 5					
		9.86	W 1					

Remarks

- CAT survey completed
- Inspection pit complete 0.60x0.60x1.00m - 1 1/2hrs
- Standing water level at AM 15.01.2008
- Bentonite seal installed at 1.80m to 3.80m
- Casing reduced from 200mm to 150mm at 3.80m

Logged by **AT** Drilled by **GB**

Ground level

14.47mAD

Co-ordinates:

E:349827

N:381631



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS11

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Diameter

Casing

Depth

07/01/2008

15/01/2008

12.00m

FIELD RECORDS	Samples / Tests					Description	Strata		Legend
	Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}	Depth & Thickness m		Reduced Level (m)		
3, 6- 7 ,9 ,9 ,11 {TSL9.89m} --{10/01/2008}-- --{11/01/2008}-- 10,17- 26 ,41 /30mm --{15/01/2008}-- ,16 75 /70m25 ,/60mm {TSL10.90m} --{15/01/2008}--	10.50	10.50	10.95	S 6	(36)	-Very stiff brown sandy gravelly CLAY. Gravel is subangular to subrounded fine to medium	10.20	4.27	
		10.50	11.00	B 6		Very dense brown gravelly fine to coarse grained SAND. Gravel is subangular to angular fine to coarse	(1.00)		
	11.30	11.30	11.75	S 7	(100)	Highly weathered red SANDSTONE (Recovered as red, with occasional white speckles, fine grained SAND)	11.20	3.27	
	{10.40	11.30	11.80	B 7	((166))		(0.80)		
	12.00	12.00	12.45	S 8	(100)	Light Cable Percussion Complete. Continued by Rotary Coring	12.00	2.47	
	{10.90				((428))				

Remarks

Logged by **AT** Drilled by **GB**
 Ground level
14.47mAD
 Co-ordinates:
E:349827 N:381631

29/04/2008 03:33:38 SSL--cable p.r.-0806 Rev a1



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS11R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Casing Diameter **90mm** Depth **20.43m**

Job No.: **14183**

Start Date: **05/02/2008** End Date: **05/02/2008** Final Depth: **20.43m**

Field Records	Drilling Records		Mechanical Log					Description	Depth & Thickness m	Strata Reduced Level (m)	Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %	If mm				
								MADE GROUND of tarmac	(0.10)	14.37	
							MADE GROUND of ashy gravelly fine to coarse grained SAND with cobble sized fragments of concrete and fine to medium clinker. Gravel is subrounded to subangular fine to medium	0.10			
							MADE GROUND of soft dark brown ashy clay with fine to medium brick fragments and fine to coarse clinker	(0.70)	13.67		
								Stiff red brown slightly sandy gravelly CLAY. Gravel is subangular to subrounded fine to medium	0.80		
									(2.00)	11.67	
								Very stiff brown grey sandy gravelly CLAY. Gravel is subangular to subrounded fine to medium	2.80		
									(3.50)	8.17	
									6.30		
									(3.90)		

Remarks

- Borehole drilled with light cable percussive equipment to 12.10m.
- T6116 core barrel with polymer flush, 90mm core.
- ODEX casing installed to 12.00m.
- Borehole grouted with cement/bentonite grout on completion.

Logged by **SJB** Drilled by **GD**

Ground level **14.47mAD**

Co-ordinates:

E:349827 N:381631



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS11R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **05/02/2008** End Date: **05/02/2008** Final Depth: **20.43m**

Field Records	Drilling Records		Mechanical Log				Description	Strata		Legend	
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		If mm	Depth & Thickness m		Reduced Level (m)
TSL 10.90m - {15/01/2008} -	90mm	12.10	1	100	96	93	448	Very stiff brown sandy gravelly CLAY. Gravel is subangular to subrounded fine to medium	10.20	4.27	
								Very dense brown gravelly fine to coarse grained SAND. Gravel is subangular to angular fine to coarse	(1.00)		
								Highly weathered red SANDSTONE (Recovered as red, with occasional white speckles, fine grained SAND)	11.20	3.27	
								Light Cable Percussion Complete. Continued by Rotary Coring	12.00 12.15	2.47 2.32	
		14.84							(5.75)		
	90mm		2	100	97	97	437				
		17.90						Very weak occasionally weak, medium bedded, red brown, very weakly cemented, slight to moderately weathered, fine- to medium-grained SANDSTONE with occasional thin bands of light grey green sandstone Discontinuity sets - Bedding 80 degrees to core axis, planar, smooth, clean. (Some sections of very weakly cemented sandstone recovered as red brown fine to medium sand)	17.90	-3.43	
	90mm		3	101	101	97	506		(2.53)		

Remarks

- Borehole drilled with light cable percussive equipment to 12.10m.
- T6116 core barrel with polymer flush, 90mm core.
- ODEX casing installed to 12.00m.
- Borehole grouted with cement/bentonite grout on completion.

Logged by **SJB** Drilled by **GD**

Ground level

14.47mAD

Co-ordinates:

E:349827

N:381631



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS11R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **05/02/2008** End Date: **05/02/2008** Final Depth: **20.43m**

Field Records	Drilling Records		Mechanical Log				Description	Strata		Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		If mm	Depth & Thickness m	
-{05/02/2008}-	CASED						Borehole Complete	20.43	-5.96	

Remarks

1. Borehole drilled with light cable percussive equipment to 12.10m.
2. T6116 core barrel with polymer flush, 90mm core.
3. ODEX casing installed to 12.00m.
4. Borehole grouted with cement/bentonite grout on completion.

Logged by **SJB** Drilled by **GD**
 Ground level **14.47mAD**
 Co-ordinates:
E:349827 N:381631



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS12

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Casing Diameter
200mm
150mm

Depth
3.00m
11.50m

18/01/2008

22/01/2008

11.95m

FIELD RECORDS

Samples / Tests

Description

Strata

Casing (Water) Depth (m) Depth (m) from to SAMPLE Type & No SPT (N){Cu}

Depth & Thickness m Reduced Level (m) Legend

<p>1, 0- 1 ,0 ,1 ,1</p> <p>--{21/01/2008}-- [U36]</p> <p>2, 3- --{21/01/2008}-- 4 ,5 ,4 ,4</p> <p>[U110]</p> <p>4, 8- 12 ,17 ,22 ,26</p> <p>[U160]</p> <p>--{22/01/2008}--</p> <p>10, 14- 36 ,64 /65mm</p> <p>T1 8.80</p> <p>M1 9.20</p> <p>3, 5- 6 ,8 ,10 ,14</p>	0.20			D 1			Grass over TOPSOIL	(0.15)	14.04	
	0.50			D 2			MADE GROUND of loose black slightly ashy fine to medium grained sand with fine to medium clinker. Gravel is subrounded fine to medium	0.15		
	1.00			D 3						
	1.20	1.20	1.45	S 1	(1)			(1.85)		
	1.20	1.20	1.70	B 1						
							Bentonite seal installed from 1.00m to 3.00m	2.00	12.19	
	2.20	2.20	2.65	U 1	{101}		Stiff brown slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to medium			
	2.70			D 4						
	3.20	3.20	3.65	S 2	(17)			(2.30)		
	3.20	3.20	3.70	B 2						
4.20	4.20	4.65	U 2	{250}			4.30	9.89		
4.70			D 5			Very stiff red brown slightly sandy slightly gravelly CLAY with partings/mottling of light grey fine grained sand. Gravel is round to subangular fine to medium				
4.70	5.20	5.65	S 3	(77)						
5.20	5.20	5.70	B 3							
6.50	6.50	6.95	U 3	{346}			(4.90)			
7.00			D 6							
7.50	8.00	8.30	S 4	(100)						
8.00	8.00	8.30	B 4	((214))						
9.20			W 1				9.20	4.99		
9.50	9.50	9.95	S 5	(38)		Dense light brown fine to coarse grained SAND and rounded to angular fine to medium GRAVEL				
(9.00)	9.50	10.00	B 5				(1.30)			

<p>Remarks</p> <p>1. CAT survey completed 2. Inspection pit completed - 0.60x0.60x1.00m - 1hr 3. Bentonite seal installed at 1.00m to 3.00m 4. Casing reduced from 200mm to 150mm at 3.00m 5. Water met at 9.20m - after 20mins water level is 8.80m</p>	<p>Logged by AT Drilled by GB</p> <p>Ground level</p> <p>14.19mAD</p> <p>Co-ordinates:</p> <p>E:349871 N:381569</p>
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Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS12

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Diameter Casing Depth

18/01/2008

22/01/2008

11.95m

FIELD RECORDS

Samples / Tests

Description

Strata

Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}
10.60 {9.70}	10.60 to 11.05	S 6	(100)
	10.60 to 11.10	B 6	((136))
11.50 {10.00}	11.50 to 11.95	S 7	(100) ((222))

Depth & Thickness m	Reduced Level (m)	Legend
10.50	3.69	
(1.45)		
11.95	2.24	

10, 17-
26 ,39 ,35 /70mm

16,
25 /65m ,75/70mm

(TSL10.24m)
--(22/01/2008)--

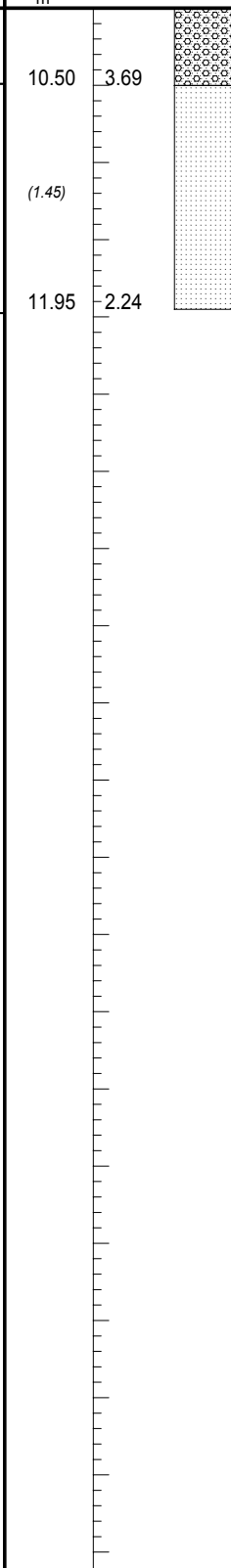
10.60 10.60 11.05 S 6 (100)
{9.70} 10.60 11.10 B 6 ((136))

11.50 11.50 11.95 S 7 (100)
{10.00} ((222))

-Stiff red brown sandy gravelly CLAY. Gravel is subangular and fine

Highly weathered red SANDSTONE

Light Cable Percussion Complete.
Continued by Rotary Coring



Remarks

Logged by **AT** Drilled by **GB**
Ground level
14.19mAD
Co-ordinates:
E:349871 N:381569



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS12R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Casing Diameter **90mm** Depth **20.00m**

Job No.: **14183**

Start Date: **31/01/2008** End Date: **01/02/2008** Final Depth: **20.00m**

Field Records	Drilling Records		Mechanical Log					Description	Depth & Thickness m	Strata Reduced Level (m)	Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %	if mm				
								Grass over TOPSOIL MADE GROUND of loose black slightly ashy fine to medium grained sand with fine to medium clinker. Gravel is subrounded fine to medium	(0.15) 0.15	14.04	
								Stiff brown slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to medium	(1.85) 2.00	12.19	
								Very stiff red brown slightly sandy slightly gravelly CLAY with partings/mottling of light grey fine grained sand. Gravel is round to subangular fine to medium	(2.30) 4.30	9.89	
								Dense light brown fine to coarse grained SAND and rounded to angular fine to medium GRAVEL	(4.90) 9.20	4.99	
									(1.30)		

Remarks
 1. Borehole drilled with light cable percussive equipment to 11.40.
 2. T6116 core barrel with polymer flush, 90mm core.
 3. ODEX casing installed to 11.40m.
 4. Piezometer installed on completion, tip at 19.50m

Logged by **SJB** Drilled by **GD**
 Ground level **14.19mAD**
 Co-ordinates:
E:349871 N:381569



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS12R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **31/01/2008** End Date: **02/01/2008** Final Depth: **20.00m**

Field Records	Drilling Records		Mechanical Log				Description	Strata		Legend	
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		If mm	Depth & Thickness m		Reduced Level (m)
TSL10.24m -{31/01/2008}- -{18/01/2008}-	90mm	11.40	1	97	90	76	166	Stiff red brown sandy gravelly CLAY. Gravel is subangular and fine	10.50	3.69	
		12.56						Highly weathered red SANDSTONE	(1.00)		
	90mm	15.60	2	100	97	93	507	Very weak, medium bedded, red brown, very weakly cemented, slight to moderately weathered, fine- to medium-grained SANDSTONE with occasional thin bands of light grey green sandstone Discontinuity sets - Bedding 80-90 degrees to core axis, planar, smooth, clean. (Some sections of very weakly cemented sandstone recovered as red brown fine to medium sand)	11.50		2.69
		18.69						Very weak occasionally weak, medium bedded, red brown, very weakly cemented, slight to moderately weathered, fine- to medium-grained SANDSTONE with occasional thin bands of light grey green sandstone Discontinuity sets - Bedding 80-90 degrees to core axis, planar, smooth, clean. (Some sections of very weakly cemented sandstone recovered as red brown fine to medium sand)	(4.10)		
90mm	18.69	3	100	98	98	618	Very weak occasionally weak, medium bedded, red brown, very weakly cemented, slight to moderately weathered, fine- to medium-grained SANDSTONE with occasional thin bands of light grey green sandstone Discontinuity sets - Bedding 80-90 degrees to core axis, planar, smooth, clean. (Some sections of very weakly cemented sandstone recovered as red brown fine to medium sand)	15.60	-1.41		
CASED	20.00	4	105	103	103	437	Borehole Complete	(4.40)	-5.81		

Remarks

- Borehole drilled with light cable percussive equipment to 11.40.
- T6116 core barrel with polymer flush, 90mm core.
- ODEX casing installed to 11.40m.
- Piezometer installed on completion, tip at 19.50m

Logged by **SJB** Drilled by **GD**
 Ground level **14.19mAD**
 Co-ordinates: **E:349871 N:381569**



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS13

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Casing
Diameter
200mm
150mm

Depth
5.00m
13.50m

28/11/2007

30/11/2007

13.78m

FIELD RECORDS	Samples / Tests				Description	Strata		
	Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}		Depth & Thickness m	Reduced Level (m)	Legend
		0.20		D 1	MADE GROUND of grass over black ashy sandy clay with fine to coarse brick fragments			
		0.50		D 2		(1.10)		
		1.00		D 3	MADE GROUND of loose black ashy sand with abundant fine to medium brick and concrete fragments and fine to coarse clinker			
1, 1-	1.20	1.20	1.65	S 1		1.10	12.89	
1, 2		1.20	1.70	B 1				
2, 2-		2.20	2.65	S 2				
2, 1		2.20	2.70	B 2	Bentonite seal installed from 1.90m to 3.90m	(2.80)		
2, 2-		2.20	2.70	B 2				
2, 1		2.20	2.70	B 2				
		4.00	3.20	3.65	S 3			
1, 0-		4.00	3.20	3.70	B 3			
1, 2		4.00	4.45	U 1	Stiff brown slightly sandy gravelly CLAY. Gravel is subangular to angular fine to medium	3.90	10.09	
1, 2		4.00	4.45	U 1				
		4.60		D 4				
2, 2-		5.00	5.00	5.45	S 4	(1.90)		
3, 4		5.00	5.50	B 4				
2, 3-		6.00	6.00	6.45	S 5	5.80	8.19	
4, 3		6.00	6.50	B 5				
		7.50	7.78	U 2	Medium dense brown clayey slightly gravelly fine to coarse grained SAND. Gravel is angular to subrounded and fine to coarse	(1.60)		
		7.50	7.78	U 2				
		8.00		D 5				
5, 7-		8.80	9.00	9.45	S 6	7.40	6.59	
11, 14		9.00	9.50	B 6				
		10.00	10.20	U 3	Hard brown fissured slightly gravelly sandy CLAY. Gravel is rounded to subangular fine to coarse			
		10.00	10.20	U 3				
						(4.40)		

Remarks

- CAT survey completed
- Inspection pit completed - 0.80x0.80x1.00m - 1hr
- Bentonite seal installed at 1.90m to 3.90m
- Casing reduced from 200mm to 150mm at 5.00m
- Borehole dry

Logged by **AT** Drilled by **GB**

Ground level

13.99mAD

Co-ordinates:

E:349791

N:381653



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS13

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Diameter Casing Depth

28/11/2007

30/11/2007

13.78m

FIELD RECORDS

Samples / Tests

Description

Strata

Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}
	10.60	D 7	
12, 17-20, 24, 31, 25 /60mm	12.00 12.00 12.45 12.00 12.50	S 7 B 7	(100) ((105))
18, 24-25 /70mm, 75 /65mm	13.50 13.50 13.78	S 8	(100) ((222))

Depth & Thickness m	Reduced Level (m)	Legend
11.80	2.19	
(1.98)		
13.78	0.21	

-Hard brown fissured slightly gravelly sandy CLAY. Gravel is rounded to subangular fine to coarse

Highly weathered red brown SANDSTONE

Light Cable Percussion Complete. Continued by Rotary Coring

12, 17-20, 24, 31, 25 /60mm

18, 24-25 /70mm, 75 /65mm

--{30/11/2007}--

Remarks

Logged by **AT** Drilled by **GB**
 Ground level **13.99mAD**
 Co-ordinates:
E:349791 N:381653



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS13R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Casing Diameter **90mm** Depth **21.95m**

Job No.: **14183**

Start Date: **08/01/2008** End Date: **08/01/2008** Final Depth: **21.95m**

Field Records	Drilling Records		Mechanical Log					Description	Strata		Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %	lf mm		Depth & Thickness m	Reduced Level (m)	
								MADE GROUND of grass over black ashy sandy clay with fine to coarse brick fragments	(1.10)		
								MADE GROUND of loose black ashy sand with abundant fine to medium brick and concrete fragments and fine to coarse clinker	1.10	12.89	
								Stiff brown slightly sandy gravelly CLAY. Gravel is subangular to angular fine to medium	(2.80)		
								Medium dense brown clayey slightly gravelly fine to coarse grained SAND. Gravel is angular to subrounded and fine to coarse	3.90	10.09	
								Hard brown fissured slightly gravelly sandy CLAY. Gravel is rounded to subangular fine to coarse	(1.90)		
									5.80	8.19	
									(1.60)		
									7.40	6.59	
									(4.40)		

Remarks 1. Borehole drilled with light cable percussive equipment to 13.78m
2. Continued by rotary coring (diameter of 90mm) using a polymer flush from 13.78m to 21.95m

Logged by **SJB** Drilled by **GD**
Ground level **13.99mAD**
Co-ordinates: **E:349791 N:381653**

30/04/2008 11:30:08
SSL-strata core-08/05 Rev/B1



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS13R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **08/01/2008** End Date: **08/01/2008** Final Depth: **21.95m**

Field Records	Drilling Records		Mechanical Log					Description	Strata		Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %	If mm		Depth & Thickness m	Reduced Level (m)	
-{08/01/2008}-								<p><i>Hard brown fissured slightly gravelly sandy CLAY. Gravel is rounded to subangular fine to coarse</i></p>	11.80	2.19	(1.88)
								<p>Red brown gravelly fine to medium SAND. Gravel is subangular fine to coarse</p>	13.68	0.31	
							227	<p>Highly weathered red brown SANDSTONE Light Cable Percussion Complete. Continued by Rotary Coring</p> <p>Very weak, medium to thickly bedded, red brown, very weakly cemented, slightly weathered, fine to medium SANDSTONE with occasional thin bands of light green sandstone. Bedding 80 degrees to core axis, planar, smooth, clean. (Some sections recovered as red brown fine to medium sand)</p>	13.78	0.21	
						600			(7.42)		

Remarks 1. Borehole drilled with light cable percussive equipment to 13.78m
 2. Continued by rotary coring (diameter of 90mm) using a polymer flush from 13.78m to 21.95m

Logged by **SJB** Drilled by **GD**
 Ground level **13.99mAD**
 Co-ordinates: **E:349791 N:381653**

30/04/2008 11:30:08
 SSL-strata core-08/05 Rev/B1



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS13R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **08/01/2008** End Date: **08/01/2008** Final Depth: **21.95m**

Field Records	Drilling Records		Mechanical Log					Description	Strata		Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %	lf mm		Depth & Thickness m	Reduced Level (m)	
- {08/01/2008} -	CASED						429				
								Very weak to weak, medium to thickly bedded, red brown, very weakly cemented, slightly weathered, fine to medium SANDSTONE with some thin bands of light green sandstone. Bedding 80 degrees to core axis, planar, smooth, clean. (Some sections recovered as red brown fine to medium sand)	21.20 (0.75) 21.95	-7.21 -7.96	
								Borehole Complete			

Remarks 1. Borehole drilled with light cable percussive equipment to 13.78m
2. Continued by rotary coring (diameter of 90mm) using a polymer flush from 13.78m to 21.95m

Logged by **SJB** Drilled by **GD**
Ground level **13.99mAD**
Co-ordinates:
E:349791 N:381653

30/04/2008 11:30:08

SSL-strata_core-08/05 Rev/B1



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS14

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Casing Diameter
200mm
150mm

Casing Depth
2.00m
11.80m

11/02/2008

14/02/2008

12.05m

FIELD RECORDS	Samples / Tests				Description	Strata		Legend	
	Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}		Depth & Thickness m	Reduced Level (m)		
1, 2- {12/02/2008}-- 1 ,2 ,1 ,1 [U40] {13/02/2008}-- [U90] {14/02/2008}-- [U150] 25, /70mm 45 ,28 ,25 [U150] 9, 14- 20 ,25 ,30 ,25 /55mm 5, 6- 6 ,7 ,8 ,6 {TSL6.70m} {14/02/2008}-- 3, 5- 5 ,6 ,6 ,7		0.20	D 1		MADE GROUND of tarmac	(0.10)	11.97		
		0.50	D 2		MADE GROUND of black ashy gravelly fine to medium grained sand with fine to medium brick fragments. Gravel is subangular fine to medium	(0.70)	11.27		
		1.00	1.45	S 1	(5)	MADE GROUND of loose dark brown ashy fine to coarse clinker with fine to medium brick fragments	(0.90)		10.37
		1.00	1.50	B 1					10.07
		1.00		D 3					
		1.80	2.25	U 1	{27}	Firm red brown slightly grey mottled slightly sandy slightly gravelly CLAY with a grey fine to coarse sandy fissure. Gravel is subangular to subrounded and flat fine to coarse	(1.70)		
		2.30		D 4		Firm red brown, black fissured, slightly sandy slightly gravelly CLAY. Gravel is angular and fine	(2.00)		
		2.80	3.25	U 2		Bentonite seal installed from 2.00m to 4.00m	(1.00)		
		3.30		D 5		Very stiff red brown sandy CLAY with veins of red brown fine to coarse grained sand	(3.00)		9.07
		3.80	4.25	U 3			(0.90)		8.17
	4.30		D 6		Loose to very dense light brown slightly silty gravelly fine to medium grained SAND. Gravel is subangular fine to medium - Water added at 4.30m				
	4.70	4.70	S 2	(98)		(1.60)	6.57		
	4.70	5.30	B 2						
	5.80	6.25	U 4		Very stiff red brown very sandy slightly gravelly CLAY. Gravel is angular to subangular fine to medium - Water added at 7.50m	5.50	6.57		
	6.30		D 7			(2.50)			
	7.30	7.30	S 3	(100)			8.00	4.07	
	7.30	7.80	B 3	((107))					
	8.10	8.10	S 4	(27)	Medium dense brown slightly clayey gravelly fine to coarse grained SAND. Gravel is subangular to subrounded fine to medium				
	8.10	8.60	B 4			(1.10)			
	9.00		W 1				9.10	2.97	
	9.20	9.65	S 5	(24)	Medium dense brown slightly clayey slightly gravelly fine to coarse grained SAND. Gravel is subangular to subrounded and flat fine to medium - Blowing at 9.90m				
	9.20	9.70	B 5			(1.30)			

Remarks 1. CAT survey completed 2. Inspection pit complete 0.70x0.80x1.00m - 1 hr 3. Bentonite seal installed at 2.00m to 4.00m 4. Casing reduced from 200mm to 150mm at 2.70m 5. Standing water level at 6.70m on 14/02/2008 AM	Logged by AT Drilled by TM Ground level 12.07mAD Co-ordinates: E:349792 N:381585
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29/04/2008 03:46:04 SSL-cable p.r. - 08/86 Rev a1



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS14

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Diameter Casing Depth

11/02/2008

14/02/2008

12.05m

FIELD RECORDS	Samples / Tests					Description	Strata		Legend
	Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}	Depth & Thickness m		Reduced Level (m)		
13, 28-60, 40 /40mm	10.50 {9.00}	10.60 10.60	11.05 11.10	S 6 B 6	(100) ((260))	Highly weathered red SANDSTONE (recovered as dense brown coarse grained sand with some fine gravel and traces of red sandstone) Highly weathered red SANDSTONE	10.40 (0.20) 10.60	1.67 1.47	
25, 0-55, 45 /45mm {TSL11.00m} --{14/02/2008}--	10.50 {11.00}	11.60	12.05	S 7	(100) ((250))	Light Cable Percussion Complete. Continued by Rotary Coring	(1.45) 12.05	0.02	

Remarks	Logged by AT Drilled by TM Ground level 12.07mAD Co-ordinates: E:349792 N:381585
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29/04/2008 03:46:04 SSL-cable p.r. -0886 Rev a1



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS14R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Casing Diameter **90mm** Depth **20.50m**

Job No.: **14183**

Start Date: **04/03/2008** End Date: **05/03/2008** Final Depth: **20.50m**

Field Records	Drilling Records		Mechanical Log					Description	Strata		
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %	if mm		Depth & Thickness m	Reduced Level (m)	Legend
								MADE GROUND of farmac MADE GROUND of black ashy gravelly fine to medium grained sand with fine to medium brick fragments. Gravel is subangular fine to medium	(0.10) 0.10 (0.70)	11.97	
								MADE GROUND of loose dark brown ashy fine to coarse clinker with fine to medium brick fragments	0.80 (0.90)	11.27	
								Firm red brown slightly grey mottled slightly sandy slightly gravelly CLAY with a grey fine to coarse sandy fissure. Gravel is subangular to subrounded and flat fine to coarse	1.70 (0.30) 2.00	10.37 10.07	
								Firm red brown, black fissured, slightly sandy slightly gravelly CLAY. Gravel is angular and fine	(1.00)		
								Very stiff red brown sandy CLAY with veins of red brown fine to coarse grained sand	3.00 (0.90)	9.07	
								Loose to very dense light brown slightly silty gravelly fine to medium grained SAND. Gravel is subangular fine to medium - Water added at 4.30m	3.90 (1.60)	8.17	
								Very stiff red brown very sandy slightly gravelly CLAY. Gravel is angular to subangular fine to medium - Water added at 7.50m	5.50 (2.50)	6.57	
								Medium dense brown slightly clayey gravelly fine to coarse grained SAND. Gravel is subangular to subrounded fine to medium	8.00 (1.10)	4.07	
								Medium dense brown slightly clayey slightly gravelly fine to coarse grained SAND. Gravel is subangular to subrounded and flat fine to medium - Blowing at 9.90m	9.10 (1.30)	2.97	

Remarks
 1. Borehole drilled with light cable percussive equipment to 11.85m.
 2. T6116 core barrel with polymer flush, 90mm core.
 3. ODEX casing installed to 14.30m.
 4. Borehole grouted on completion.

Logged by **SJB** Drilled by **GD**
 Ground level **12.07mAD**
 Co-ordinates:
 E:349792 N:381585



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS14R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date:
04/03/2008

End Date:
05/03/2008

Final Depth:
20.50m

Field Records	Drilling Records		Mechanical Log				Description	Strata		Legend		
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		if mm	Depth & Thickness m		Reduced Level (m)	
-{04/03/2008}-	90mm	11.85	1	100	100	94	980	Highly weathered red SANDSTONE (recovered as dense brown coarse grained sand with some fine gravel and traces of red sandstone) Highly weathered red SANDSTONE	10.40 (0.20) 10.60	1.67 1.47		
		14.90	2	100	99	96	610	Light Cable Percussion Complete. Continued by Rotary Coring Highly weathered red SANDSTONE Very weak, occasionally weak, medium to thickly bedded, red brown, slight to moderately weathered, very weakly cemented, fine- to medium-grained SANDSTONE with occasional thin bands of light green sandstone. Discontinuity sets - Bedding 90 degrees to core axis, planar, smooth, clean.	(1.36)	11.96 (0.09) 12.05	0.11 0.02	
		17.95	3	102	98	93	638					
									Joint infilled with firm brown sandy clay from 19.22m to 19.32m			

Remarks
 1. Borehole drilled with light cable percussive equipment to 11.85m.
 2. T6116 core barrel with polymer flush, 90mm core.
 3. ODEX casing installed to 14.30m.
 4. Borehole grouted on completion.

Logged by **SJB** Drilled by **GD**
 Ground level
12.07mAD
 Co-ordinates:
E:349792 N:381585



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS14R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date:

End Date:

Final Depth:

04/03/2008

05/03/2008

20.50m

Field Records	Drilling Records		Mechanical Log					Description	Strata		Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %	if mm		Depth & Thickness m	Reduced Level (m)	
-{05/03/2008}-	CASED							Borehole Complete	20.50	-8.43	

Remarks
 1. Borehole drilled with light cable percussive equipment to 11.85m.
 2. T6116 core barrel with polymer flush, 90mm core.
 3. ODEX casing installed to 14.30m.
 4. Borehole grouted on completion.

Logged by **SJB** Drilled by **GD**

Ground level
12.07mAD

Co-ordinates:

E:349792 N:381585



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS15

Equipment and methods **Light Cable Percussion**

Casing Diameter
 250mm
 200mm
 150mm

Depth
 3.50m
 10.60m
 17.00m

Job No.: **14183**

Start Date: **04/01/2008** End Date: **11/01/2008** Final Depth: **17.00m**

FIELD RECORDS	Samples / Tests				Description	Strata		
	Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}		Depth & Thickness m	Reduced Level (m)	Legend
		0.30		D 1	MADE GROUND of tarmac	(0.10)	12.49	
		0.50		D 2	MADE GROUND of graded granular limestone	0.10	12.39	
		1.00	1.00	1.45 S 1 (8)	MADE GROUND of medium dense black gravelly fine to medium grained sand with fine to medium brick fragments. Gravel is subangular fine to medium	(0.10)		
7, 5--(07/01/2008)-- 3, 2, 1, 2		1.00	1.00	1.50 B 1				
		1.00	1.00	D 3				
		2.00	2.00	2.45 S 2 (19)	MADE GROUND of medium dense brown clayey slightly gravelly fine to medium grained SAND with occasional fine to medium brick fragments. Gravel is angular and fine - Water added to assist drilling	1.70	10.89	
--(08/01/2008)-- 2, 3- 4, 4, 5, 6		2.00	2.00	2.50 B 2			10.39	
		2.70	2.70	3.15 U 1	Stiff brown slightly sandy slightly gravelly CLAY. Gravel is angular and fine	(0.80)		
		3.20	3.20	D 4	Firm red very sandy gravelly CLAY. Gravel is subrounded to subangular fine to coarse	3.00	9.59	
		3.70	3.70	4.15 U 2 {213}		(1.00)		
		4.20	4.20	4.75 D 5 (15)	Medium dense red clayey gravelly fine to medium grained SAND. Gravel is subrounded to subangular fine to coarse	4.00	8.59	
2, 4- 5, 4, 3, 3		4.30	4.30	4.80 S 3				
		4.30	4.30	B 3				
		5.20	5.20	5.65 U 3	Bentonite seal installed from 3.50m to 5.50m	(1.10)		
		5.70	5.70	6.25 D 6 (14)	Firm red brown very sandy CLAY	5.10	7.49	
3, 2- 3, 3, 4, 4		5.80	5.80	6.30 S 4			(0.20)	7.29
		5.80	5.80	B 4			5.30	
		7.10	7.10	7.55 U 4	Medium dense red brown gravelly fine to coarse grained SAND. Gravel is subangular fine to medium -Water added at 6.00m to assist drilling	(1.70)		
		7.60	7.60	D 7				
		8.60	8.60	9.05 S 5 (100)	Hard brown very sandy gravelly CLAY. Gravel is subangular to subrounded fine to medium and sand is fine to medium	7.00	5.59	
--(09/01/2008)-- 11, 16- 20, 22, 38, 70 /10mm		8.60	8.60	9.10 B 5 ((127))				
		9.80	9.80	T1		(4.80)		

Remarks

- CAT survey completed
- Inspection pit completed - 0.80x0.80x1.00m
- Bentonite seal installed at 3.50m to 5.50m and at 10.60m to 12.60m
- Casing reduced from 250mm to 200mm at 2.50m and from 200mm to 150mm at 9.90m
- Water met at 11.80m - after 20mins water level at 9.80m
- Chiseling at 10.60m for 5hrs, at 15.30m for 1hr and at 17.00m for 1 1/2hrs

Logged by **AT** Drilled by **TM**
 Ground level
12.59mAD
 Co-ordinates:
E:349752 N:381614

29/04/2008 03:53:39 SSL-cable p.r. - 08/86 Rev a1



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS15

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Diameter Casing Depth

04/01/2008

11/01/2008

17.00m

FIELD RECORDS	Samples / Tests						Description	Strata		Legend
	Casing (Water) Depth (m)	Depth (m) from	to	SAMPLE Type & No	SPT (N){Cu}	Depth & Thickness m		Reduced Level (m)		
10, 15- 14 ,12 ,16 ,22 --(11/01/2008)-- M1 11.00	9.90	10.10	10.55	S 6	(64)	-Hard brown very sandy gravelly CLAY. Gravel is subangular to subrounded fine to medium and sand is fine to medium Bentonite seal installed from 10.60m to 12.60m				
		10.10	10.60	B 6						
2, 2- 3 ,4 ,6 ,4	11.90 {0.00}	11.80 11.90	12.35 12.40	W 1 S 7	(17)	Medium dense brown fine to coarse grained SAND and subangular to subrounded fine to medium GRAVEL. (blowing)	11.80	0.79		
		11.90	12.40	B 7			(2.10)			
3, 5- 4 ,3 ,4 ,5	14.00 {0.00}	14.00	14.45	S 8	(16)	Medium dense red brown slightly silty fine to medium grained SAND and subangular to subrounded fine to medium GRAVEL	13.90	-1.31		
		14.00	14.50	B 8			(1.40)			
5, 5- 6 ,7 ,6 ,7	15.50 {4.00}	15.50	15.95	S 9	(26)	Highly weathered red SANDSTONE and occasional thin lenses of firm red brown silty clay(Recovered as medium dense red gravelly fine to medium grained SAND with red brown slightly sandy clay bands. Gravel is angular and fine)	15.30	-2.71		
		15.50	16.00	B 9			(0.50)			
7, 10- 9 ,10 ,10 ,30 (TSL6.00m) --(11/01/2008)--	16.00 {7.00}	16.00	16.45	S 10	(59)	Highly weathered red SANDSTONE(Recovered as very dense red silty fine grained SAND with slightly sandy clay bands)	15.80	-3.21		
		16.00	16.50	B 10			(0.70)			
6, 12- 12 ,16 ,18 ,20 (TSL8.00m) --(11/01/2008)--	16.00 {8.00}	16.50	16.95	S 11	(66)	Highly weathered red and black SANDSTONE	16.50	-3.91		
						Light Cable Percussion Complete. Continued by Rotary Coring	17.00	-4.41		

Remarks

Logged by AT Drilled by TM
Ground level
12.59mAD
Co-ordinates:
E:349752 N:381614



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS15R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Casing Diameter **90mm** Depth **27.50m**

Job No.: **14183**

Start Date: **12/02/2008** End Date: **15/02/2008** Final Depth: **27.50m**

Field Records	Drilling Records		Mechanical Log					Description	Depth & Thickness m	Strata Reduced Level (m)	Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %	If mm				
								MADE GROUND of tarmac	(0.10)	12.49	
								MADE GROUND of graded granular limestone	0.10	12.39	
								MADE GROUND of medium dense black gravelly fine to medium grained sand with fine to medium brick fragments. Gravel is subangular fine to medium	(0.10)		
									0.20		
									(1.50)		
								MADE GROUND of medium dense brown clayey slightly gravelly fine to medium grained SAND with occasional fine to medium brick fragments. Gravel is angular and fine - Water added to assist drilling	1.70	10.89	
								Stiff brown slightly sandy slightly gravelly CLAY. Gravel is angular and fine	(0.50)		
									2.20	10.39	
									(0.80)		
								Firm red very sandy gravelly CLAY. Gravel is subrounded to subangular fine to coarse	3.00	9.59	
									(1.00)		
								Medium dense red clayey gravelly fine to medium grained SAND. Gravel is subrounded to subangular fine to coarse	4.00	8.59	
									(1.10)		
								Firm red brown very sandy CLAY	5.10	7.49	
								Medium dense red brown gravelly fine to coarse grained SAND. Gravel is subangular fine to medium -Water added at 6.00m to assist drilling	(0.20)		
									5.30	7.29	
									(1.70)		
								Hard brown very sandy gravelly CLAY. Gravel is subangular to subrounded fine to medium and sand is fine to medium	7.00	5.59	
									(4.80)		

Remarks
 1. Borehole drilled with light cable percussive equipment to 16.50m.
 2. T6116 core barrel with polymer flush, 90mm core.
 3. ODEX casing installed to 19.00m.
 4. Sand ingress into borehole below 16.50m

Logged by **SJB** Drilled by **GD**
 Ground level **12.59mAD**
 Co-ordinates: **E:349752 N:381614**



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS15R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **12/02/2008** End Date: **15/02/2008** Final Depth: **27.50m**

Field Records	Drilling Records		Mechanical Log				Description	Strata		Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		If mm	Depth & Thickness m	
							Hard brown very sandy gravelly CLAY. Gravel is subangular to subrounded fine to medium and sand is fine to medium			
							Medium dense brown fine to coarse grained SAND and subangular to subrounded fine to medium GRAVEL. (blowing)	11.80	0.79	
								(2.10)		
							Medium dense red brown slightly silty fine to medium grained SAND and subangular to subrounded fine to medium GRAVEL	13.90	-1.31	
								(1.40)		
							Highly weathered red SANDSTONE and occasional thin lenses of firm red brown silty clay(Recovered as medium dense red gravelly fine to medium grained SAND with red brown slightly sandy clay bands. Gravel is angular and fine)	15.30	-2.71	
							Highly weathered red SANDSTONE(Recovered as very dense red silty fine grained SAND with slightly sandy clay bands)	15.80	-3.21	
								(0.50)		
							Highly weathered red and black SANDSTONE	16.50	-3.91	
								(0.70)		
							Very weak, medium bedded, red brown, slight to moderately weathered, very weakly cemented, fine- to medium-grained SANDSTONE with thin bands of light green sandstone. Discontinuity sets - Bedding 80 to 90 degrees to core axis, planar, smooth, clean. (Some sections recovered as red brown fine to medium sand)	17.00	-4.41	
								(0.50)		
		19.00					Light Cable Percussion Complete. Continued by Rotary Coring			
-{13/02/2008}- -{14/02/2008}-										

Remarks
 1. Borehole drilled with light cable percussive equipment to 16.50m.
 2. T6116 core barrel with polymer flush, 90mm core.
 3. ODEX casing installed to 19.00m.
 4. Sand ingress into borehole below 16.50m

Logged by **SJB** Drilled by **GD**
 Ground level **12.59mAD**
 Co-ordinates:
E:349752 N:381614



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS15R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **12/02/2008** End Date: **15/02/2008** Final Depth: **27.50m**

Field Records	Drilling Records		Mechanical Log				Description	Strata		Legend	
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		If mm	Depth & Thickness m		Reduced Level (m)
	90mm	22.00	1	100	100	95	750	<p><i>Very weak, medium bedded, red brown, slight to moderately weathered, very weakly cemented, fine- to medium-grained SANDSTONE with thin bands of light green sandstone. Discontinuity sets - Bedding 80 to 90 degrees to core axis, planar, smooth, clean. (Some sections recovered as red brown fine to medium sand)</i></p> <p><i>Zone of very weak sandstone, recovered as red brown fine to medium sand from 22.34m to 22.64</i></p>	(8.05)		
	90mm	25.05	2	100	100	95	763		25.05	-12.46	
	90mm		3	101	100	96	817	<p>Very weak, medium bedded, red brown, slight to moderately weathered, very weakly cemented, fine- to medium-grained SANDSTONE with thin bands of light green sandstone. Discontinuity sets - Bedding 80 to 90 degrees to core axis, planar, smooth, clean.</p>	(2.45)		
	CASED							Borehole Complete	27.50	-14.91	
-{15/02/2008}-											

Remarks

- Borehole drilled with light cable percussive equipment to 16.50m.
- T6116 core barrel with polymer flush, 90mm core.
- ODEX casing installed to 19.00m.
- Sand ingress into borehole below 16.50m

Logged by **SJB** Drilled by **GD**
 Ground level **12.59mAD**
 Co-ordinates:
E:349752 N:381614



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS16

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Casing Diameter

Depth

13/03/2008

15/04/2008

30.00m

200mm

150mm

4.50m

27.00m

FIELD RECORDS	Samples / Tests				Description	Strata				
	Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}		Depth & Thickness m	Reduced Level (m)	Legend		
<p>2, 3- --{14/03/2008}-- 3 ,2 ,1 ,1</p> <p>2, 1- 2 ,1 ,2 ,1</p> <p>--{15/03/2008}--</p> <p>2, 3- --{15/03/2008}-- 2 ,3 ,2 ,2</p> <p>[U30]</p> <p>[U55]</p> <p>T1 6.20</p> <p>4, 5- 7 ,7 ,5 ,8</p> <p>3, 3- M1 8.00 4 ,3 ,5 ,6</p> <p>3, 4- 6 ,8 ,8 ,7</p>		0.20	D 1		MADE GROUND of tarmac	(0.10)	12.13			
		0.50	D 2		MADE GROUND of black ashy gravelly fine to medium grained sand. Gravel is angular to subangular fine to medium and of clinker	0.10 (0.20) 0.30	11.93			
		1.00	1.45	S 1	(7)	MADE GROUND of loose dark brown/ black ashy fine to medium grained sand with fine brick and coal fragments and fine to medium clinker	(1.50)			
		1.00	1.50	B 1						
		1.00		D 3						
		2.00	2.00	2.45	S 2	(6)	MADE GROUND of loose red brown fine to medium grained sand		1.80 (0.40)	10.43
		2.00	2.50	B 2						
		3.00	3.00	3.45	S 3	(9)	Loose red brown slightly clayey slightly gravelly fine to medium grained SAND. Gravel is angular and fine			
		3.00	3.50	B 3		Bentonite seal installed from 2.50m to 4.50m	(1.80)			
		4.00	4.45	U 1	{71}		4.00		8.23	
	4.50		D 4		Firm red brown vey sandy slightly gravelly CLAY with some partings. Gravel is angular to subrounded fine to coarse	(1.00)				
	5.00	5.45	U 2	{218}		5.00	7.23			
	5.50		D 5		Very stiff red brown clayey slightly gravelly fine to coarse grained SAND. Gravel is subrounded to subangular fine to coarse	(1.40)				
	6.20	6.50	6.95	S 4	(27)	Stiff red brown very sandy slightly gravelly CLAY. Gravel is angular and fine	6.40	5.83		
	6.50	7.00	B 4			(1.60)				
	8.00	8.00	8.45	S 5	(18)	Medium dense red brown fine to medium grained SAND	8.00	4.23		
	{0.00}	8.00	B 5			(0.20)				
	8.00		W 1		Medium dense reddish brown slightly clayey slightly gravelly fine to coarse grained SAND. Gravel is angular to subrounded flat fine to medium	8.20	4.03			
	9.50	9.50	9.95	S 6	(29)	Medium dense red brown fine to medium SAND. Gravel is subangular to subrounded fine to medium.	9.60	2.63		
	{0.00}	9.50	10.00	B 6						

Remarks

- Concrete obstruction encountered at 0.50m. Borehole repositioned
- CAT survey completed
- Inspection pit completed - 0.80x0.80x1.00m - 1hr
- Water met at 8.00m - after 20mins water level at 6.20m
- Bentonite seal installed from 2.50m to 4.50m
- Casing reduced from 200mm to 150mm at 4.50m
- Chiseling at 15.20m for 2hr and at 17.00m for 1 1/2hr
- Borehole redrilled 07/04/2008

Logged by Drilled by

AT TM

Ground level

12.23mAD

Co-ordinates:

E:349751

N:381542



Location **Project ISIS EFW Plant Phase 2**

Borehole No.
KS16

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Diameter Casing Depth

13/03/2008

15/04/2008

30.00m

FIELD RECORDS	Samples / Tests						Description	Strata		
	Casing (Water) Depth (m)	Depth (m) from	to	SAMPLE Type & No	SPT (N){Cu}	Depth & Thickness m		Reduced Level (m)	Legend	
{TSL2.30m} --{17/03/2008}--						-Medium dense red brown fine to medium SAND. Gravel is subangular to subrounded fine to medium. Blowing from 12.00m	(2.60)			
{TSL8.80m} 2, 4 --{18/03/2008}-- 9, 15, 17, 25	12.00 {0.00}	12.00	12.45	S 7	(66)	Hard brown sandy gravelly CLAY. Gravel is subangular to subrounded fine to medium	12.20	0.03		
{TSL2.98m} --{07/04/2008}--		12.60	13.00	U* 3			(1.00)			
[U150] 6, 9- 15, 8, 12, 10	13.00 {2.50}	13.10	13.55	S 8	(45)	Dense brown gravelly fine to coarse grained SAND. Gravel is angular fine to coarse	13.20	-0.97		
						Very large COBBLE obstruction - pushed to 16.50m	(2.00)			
8, 15- 19, 22, 27, 27	15.10 {3.00}	15.10	15.55	S 9	(95)			15.20	-2.97	
{TSL8.00m} --{19/03/2008}--						Very dense brown fine to coarse grained SAND and subrounded to subangular fine to medium GRAVEL	(1.30)			
								16.50	-4.27	
4, 6- 7, 9, 12, 12	0.00 {17.60}	17.10	17.55	S 10	(40)	Large COBBLE obstruction	(0.50)			
		17.10	17.60	B 10				17.00	-4.77	
		17.60	18.20	B 11		Dense red brown fine to coarse grained SAND. (Drillers Description) Blowing too much to take SPT Blown up to 16.30m overnight	(1.50)			
{TSL4.70m} --{08/04/2008}--								18.50	-6.27	

Remarks	Logged by AT Drilled by TM Ground level 12.23mAD Co-ordinates: E:349751 N:381542
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Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS16

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Diameter Casing Depth

13/03/2008

15/04/2008

30.00m

FIELD RECORDS	Samples / Tests						Description	Strata		
	Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}	Depth & Thickness m	Reduced Level (m)		Legend		
{TSL6.48m} --{09/04/2008}--						-Dense red brown fine to coarse grained SAND.	(4.50)			
7, 10- 12 ,15 ,16 ,20 [U150]	23.40 {0.00}	23.40 23.85	S 11	(63)		Very dense orange brown fine to medium grained SAND	23.00 (0.50)	-10.77		
	23.90 24.00	24.35 24.45	B 12 U 4	{142}		Very stiff brown laminated slightly sandy slightly gravelly CLAY. Gravel is subrounded to subangular fine to medium	23.50 (0.60)	-11.27		
	24.50		D 6			Stiff brown, with yellow banding, laminated slightly sandy slightly gravelly CLAY with some light brown silty laminae and some red brown fine to medium grained sand laminae. Gravel is angular and fine	24.10 (0.90)	-11.87		
5, 6- 7 ,8 ,10 ,10	23.60 {10.10}	25.10 25.60	S 12 B 13	(35)		Dense red brown very clayey fine to medium grained SAND	25.00	-12.77		
{TSL6.15m} --{11/04/2008}--										
{TSL10.10m} --{19/03/2008}--							(3.90)			
{TSL6.70m} --{15/04/2008}-- 25, /70mm 53 ,47 /55mm	29.00 {6.70}	29.00 29.50	S 13 B 14	(100) ((230))		Highly weathered red SANDSTONE	28.90 (1.10)	-16.67		
{TSL8.30m} --{15/04/2008}-- 25, /60mm 66/70m,34/40mm	29.80 {8.30}	30.00 30.45	S 14	(100) ((272))		Light Cable Percussion Complete. Continued by Rotary Coring	30.00	-17.77		

Remarks

Logged by **AT** Drilled by **TM**
Ground level
12.23mAD
Co-ordinates:
E:349751 N:381542



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS16R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Casing Diameter **90mm** Depth **35.70m**

Job No.: **14183**

Start Date: **21/04/2008** End Date: **21/04/2008** Final Depth: **35.70m**

Field Records	Drilling Records		Mechanical Log				Description	Strata		
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		If mm	Depth & Thickness m	Reduced Level (m)
							MADE GROUND of tarmac	(0.10)	12.13	
						MADE GROUND of black ashy gravelly fine to medium grained sand. Gravel is angular to subangular fine to medium and of clinker	0.10	11.93		
						MADE GROUND of loose dark brown/ black ashy fine to medium grained sand with fine brick and coal fragments and fine to medium clinker	(0.20)			
							0.30			
							(1.50)			
						MADE GROUND of loose red brown fine to medium grained sand	1.80	10.43		
						Loose red brown slightly clayey slightly gravelly fine to medium grained SAND. Gravel is angular and fine	(0.40)			
							2.20	10.03		
							(1.80)			
						Firm red brown vey sandy slightly gravelly CLAY with some partings. Gravel is angular to subrounded fine to coarse	4.00	8.23		
							(1.00)			
						Very stiff red brown clayey slightly gravelly fine to coarse grained SAND. Gravel is subrounded to subangular fine to coarse	5.00	7.23		
							(1.40)			
						Stiff red brown very sandy slightly gravelly CLAY. Gravel is angular and fine	6.40	5.83		
							(1.60)			
						Medium dense red brown fine to medium grained SAND	8.00	4.23		
						Medium dense reddish brown slightly clayey slightly gravelly fine to coarse grained SAND. Gravel is angular to subrounded flat fine to medium	(0.20)	4.03		
							8.20			
							(1.40)			
						Medium dense red brown fine to medium SAND. Gravel is subangular to subrounded fine to medium.	9.60	2.63		

Remarks

- Borehole drilled with light cable percussive equipment to 30.00m.
- T6116 core barrel with polymer flush, 90mm core.
- 150mm diam. casing installed to 30.00m.
- Borehole filling with sand between 30.00m and 31.00m.
- Piezometer installed on completion, tip at 35.70m. Response zone from 32.70m to 35.70m

Logged by **SJB** Drilled by **GD**
 Ground level **12.23mAD**
 Co-ordinates: **E:349751 N:381542**

30/04/2008 11:40:56 SSI-strata core-0805 Rev B1



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS16R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **21/04/2008** End Date: **21/04/2008** Final Depth: **35.70m**

Field Records	Drilling Records		Mechanical Log				Description	Strata		Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		If mm	Depth & Thickness m	
							Medium dense red brown fine to medium SAND. Gravel is subangular to subrounded fine to medium.	(2.60)		
							Hard brown sandy gravelly CLAY. Gravel is subangular to subrounded fine to medium	12.20 (1.00)	0.03	
							Dense brown gravelly fine to coarse grained SAND. Gravel is angular fine to coarse	13.20 (2.00)	-0.97	
							Very large COBBLE obstruction - pushed to 16.50m	15.20 (1.30)	-2.97	
							Very dense brown fine to coarse grained SAND and subrounded to subangular fine to medium GRAVEL	16.50 (0.50)	-4.27	
							Large COBBLE obstruction	17.00 (1.50)	-4.77	
							Dense red brown fine to coarse grained SAND. (Drillers Description) Blowing too much to take SPT Blown up to 16.30m overnight	18.50	-6.27	

Remarks

- Borehole drilled with light cable percussive equipment to 30.00m.
- T6116 core barrel with polymer flush, 90mm core.
- 150mm diam. casing installed to 30.00m.
- Borehole filling with sand between 30.00m and 31.00m.
- Piezometer installed on completion, tip at 35.70m. Response zone from 32.70m to 35.70m

Logged by **SJB** Drilled by **GD**
 Ground level **12.23mAD**
 Co-ordinates: **E:349751 N:381542**

30/04/2008 11:40:56 SSI-strata core-0805 Rev B1



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS16R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **21/04/2008** End Date: **21/04/2008** Final Depth: **35.70m**

Field Records	Drilling Records		Mechanical Log					Description	Strata		
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %	lf mm		Depth & Thickness m	Reduced Level (m)	Legend
								Dense red brown fine to coarse grained SAND.	(4.50)		
								Very dense orange brown fine to medium grained SAND	23.00 (0.50)	-10.77	
								Very stiff brown laminated slightly sandy slightly gravelly CLAY. Gravel is subrounded to subangular fine to medium	23.50 (0.60)	-11.27	
								Stiff brown, with yellow banding, laminated slightly sandy slightly gravelly CLAY with some light brown silty laminae and some red brown fine to medium grained sand laminae. Gravel is angular and fine	24.10 (0.90)	-11.87	
								Dense red brown very clayey fine to medium grained SAND	25.00 (3.90)	-12.77	
								Highly weathered red SANDSTONE	28.90 (1.10)	-16.67	
								Light Cable Percussion Complete. Continued by Rotary Coring	30.00	-17.77	
TSL8.30m -{21/04/2008}-		30.00									

Remarks

- Borehole drilled with light cable percussive equipment to 30.00m.
- T6116 core barrel with polymer flush, 90mm core.
- 150mm diam. casing installed to 30.00m.
- Borehole filling with sand between 30.00m and 31.00m.
- Piezometer installed on completion, tip at 35.70m. Response zone from 32.70m to 35.70m

Logged by **SJB** Drilled by **GD**
 Ground level **12.23mAD**
 Co-ordinates:
E:349751 N:381542

30/04/2008 11:40:56

SSL-strata core-08/05 Rev B1



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS16R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **21/04/2008** End Date: **21/04/2008** Final Depth: **35.70m**

Field Records	Drilling Records		Mechanical Log					Description	Strata		Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %	lf mm		Depth & Thickness m	Reduced Level (m)	
	90mm	30.98	1	192	37	0	51	Very weak, red brown, very weakly cemented, highly weathered, fine- to medium-grained SANDSTONE (Recovered as red brown fine to medium sand) <i>extra core recovered due to influx of sand (weathered sandstone) below 30.0m</i>	(0.62)	30.62	-18.39
			2	101	89	75	106		Very weak to weak, medium to thickly bedded, red brown, weakly cemented, slightly weathered, fine- to medium-grained SANDSTONE with occasional thin bands of light green sandstone. Discontinuity sets - Bedding 80 to 90 degrees to core axis, planar, smooth, clean. Joints Sub-vertical, planar, smooth. clean.		
	90mm	33.10	3	90	84	70	173		(5.08)		
	CASED							Borehole Complete		35.70	-23.47
-{21/04/2008}-											

Remarks

- Borehole drilled with light cable percussive equipment to 30.00m.
- T6116 core barrel with polymer flush, 90mm core.
- 150mm diam. casing installed to 30.00m.
- Borehole filling with sand between 30.00m and 31.00m.
- Piezometer installed on completion, tip at 35.70m. Response zone from 32.70m to 35.70m

Logged by **SJB** Drilled by **GD**
 Ground level **12.23mAD**
 Co-ordinates:
E:349751 N:381542



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS17

Equipment and methods **Light Cable Percussion**

Casing
Diameter
250mm
200mm
150mm

Depth
4.80m
11.90m
35.00m

Job No.: **14183**

Start Date:

End Date:

Final Depth:

30/01/2008

08/02/2008

35.00m

FIELD RECORDS

Samples / Tests

Description

Strata

Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}
	0.30	D 1	
	0.50	D 2	
1, 1- 2 ,3 ,2 ,2	1.00 1.00 1.45	S 1	(9)
	1.00 1.50	B 1	
	1.00	D 3	
2, 2- 3 ,4 ,3 ,3	2.20 2.20 2.65	S 2	(13)
	2.20 2.70	B 2	
2, 3- 4 ,5 ,4 ,4 --{31/01/2008}--	3.20 3.20 3.65	S 3	(17)
	3.20 3.70	B 3	
	4.20 4.65	U* 1	
	4.20 4.70	B 4	
--{31/01/2008}-- {U30}	5.00 5.45	U 2	{189}
	5.60	D 4	
2, 3- 4 ,3 ,4 ,4	6.50 6.50 6.95	S 4	(17)
	6.50 7.00	B 5	
	8.00 8.00 8.45	S 5	(17)
	{7.80} 8.00 8.50	B 6	
T1 7.80 M1 8.00 2, 2- 3 ,4 ,5 ,5	9.50 9.95	U 2	
{TSL8.74m} --{01/02/2008}--	10.00	W 1	

Depth & Thickness m	Reduced Level (m)	Legend
(0.20) 0.20	11.59	
(1.90)		
2.10	9.69	
(1.70)		
3.80	7.99	
(1.80)		
5.60	6.19	
(3.60)		
9.20	2.59	
(1.00)		

FIELD RECORDS	Samples / Tests	Description	Strata					
	Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}		Depth & Thickness m	Reduced Level (m)	Legend
		0.30	D 1			(0.20) 0.20	11.59	
		0.50	D 2			(1.90)		
1, 1- 2 ,3 ,2 ,2		1.00 1.00 1.45	S 1	(9)	Grass over TOPSOIL			
		1.00 1.50	B 1		MADE GROUND of loose black dark red brown slightly clayey fine to medium grained sand with fine brick and clinker fragments			
		1.00	D 3					
		2.20 2.20 2.65	S 2	(13)		2.10	9.69	
2, 2- 3 ,4 ,3 ,3		2.20 2.70	B 2		Medium dense brown slightly clayey slightly gravelly fine to coarse grained SAND. Gravel is angular to subrounded flat and fine	(1.70)		
		3.20 3.20 3.65	S 3	(17)				
2, 3- 4 ,5 ,4 ,4 --{31/01/2008}--		3.20 3.70	B 3					
		4.20 4.65	U* 1		Bentonite seal installed from 2.80m to 4.80m	3.80	7.99	
		4.20 4.70	B 4		Very stiff red brown sandy slightly gravelly CLAY. Gravel is rounded to subangular and flat fine to coarse	(1.80)		
--{31/01/2008}-- {U30}		5.00 5.45	U 2	{189}				
		5.60	D 4			5.60	6.19	
		6.50 6.50 6.95	S 4	(17)	Medium dense red brown gravelly fine to coarse grained SAND. Gravel is subrounded to subangular fine to medium	(3.60)		
2, 3- 4 ,3 ,4 ,4		6.50 7.00	B 5					
		8.00 8.00 8.45	S 5	(17)				
		{7.80} 8.00 8.50	B 6					
T1 7.80 M1 8.00 2, 2- 3 ,4 ,5 ,5		9.50 9.95	U 2		Dense red brown very clayey slightly gravelly fine to medium grained SAND. Gravel is angular and fine	9.20	2.59	
		9.50 9.95	U 2			(1.00)		
{TSL8.74m} --{01/02/2008}--		10.00	W 1					

Remarks	1. Inspection pit completed - 1.00x1.00x1.00m - 1hr 2. Bentonite seal installed at 2.80m to 4.80m 3. Casing reduced from 250mm to 200mm at 4.80m and from 200mm to 150mm at 11.90m 4. Water met at 8.00m - after 20mins water level at 7.80m	Logged by Drilled by AT GB Ground level 11.79mAD Co-ordinates: E:349674 N:381650
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29/04/2008 04:38:00 SSL-cable p.r. - 08/06 Rev a1



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS17

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Diameter Casing Depth

30/01/2008

08/02/2008

35.00m

FIELD RECORDS	Samples / Tests				Description	Strata		Legend
	Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}		Depth & Thickness m	Reduced Level (m)	
4, 6- 9 ,9 ,11 ,12 {TSL8.91m} --{04/02/2008}--		10.00		D 5		10.20	1.59	
	10.50 {8.80}	10.50	10.95	S 6	Dense red brown gravelly fine to coarse grained SAND. Gravel is subangular to subrounded fine to medium	(0.70)		
		10.50	11.00	B 7				
		11.00	11.45	U 3	Firm brown sandy gravelly CLAY. Gravel is angular and fine	10.90	0.89	
	11.50		D 6			(1.90)		
3, 4- 5 ,5 ,4 ,5 [U121]	13.00 {9.00}	13.00	13.45	S 7	Medium dense red brown gravelly fine to coarse grained SAND. Gravel is subangular to subrounded fine to medium	12.80	-1.01	
		13.00	13.50	B 8			(1.90)	
	{13.80	15.00	15.45	U 4	Firm brown laminated slightly CLAY with red brown fine grained sand laminae	14.70	-2.91	
		15.50	D 7			(1.90)		
3, 5- 6 ,6 ,8 ,11 {TSL8.94m} --{08/02/2008}--	17.00 {15.60}	17.00	17.45	S 8	Very dense (occasionally dense) red brown slightly gravelly fine to medium grained SAND. Gravel is subangular to angular fine	16.60	-4.81	
		17.00	17.50	B 9				
5, 8- 10 ,14 ,17 ,23	19.00 {14.90}	19.00	19.45	S 9				
		19.00	19.50	B 10				

Remarks

Logged by **AT** Drilled by **GB**
 Ground level **11.79mAD**
 Co-ordinates: **E:349674 N:381650**

29/04/2008 04:38:00
SSL--cable p.r.-0806 Rev a1



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS17

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Diameter Casing Depth

30/01/2008

08/02/2008

35.00m

FIELD RECORDS	Samples / Tests						Description	Strata		
	Casing (Water) Depth (m)	Depth (m) from to		SAMPLE Type & No	SPT (N){Cu}	Depth & Thickness m		Reduced Level (m)	Legend	
3, 5- 8 ,8 ,9 ,12	21.00 {16.20}	21.00	21.45	S 10	(37)	-Dense red brown slightly gravelly fine to medium grained SAND. Gravel is subangular to angular fine				
		21.00	21.50	B 11						
3, 4- 6 ,9 ,11 ,11 {TSL9.14m} --{11/02/2008}--	23.00 {17.30}	23.00	23.45	S 11	(37)		-Dense red brown slightly clayey fine to medium grained SAND			
		23.00	23.50	B 12						
						(15.80)				
5, 6- 9 ,10 ,10 ,13	25.00 {12.70}	25.00	25.45	S 12	(42)					
		25.00	25.50	B 13						
7, 10- 12 ,12 ,14 ,14 {TSL9.68m} --{12/02/2008}--	27.00 {14.90}	27.00	27.45	S 13	(52)					
		27.00	27.50	B 14						
10, 10- 13 ,21 ,28 ,35 /20mm {TSL9.81m} --{13/02/2008}--	27.50 {9.68}	29.50	29.95	S 14	(100)					
		29.50	30.00	B 15	((272))					

Remarks	Logged by AT Drilled by GB Ground level 11.79mAD Co-ordinates: E:349674 N:381650
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29/04/2008 04:38:00 SSL-cable p.r.-0806 Rev a1



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS17

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Diameter Casing Depth

30/01/2008

08/02/2008

35.00m

FIELD RECORDS

Samples / Tests

Description

Strata

Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}
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Depth & Thickness m	Reduced Level (m)	Legend
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{TSL10.10m}
--{14/02/2008}--

10, 11-
11 ,17 ,22 ,23
{TSL9.78m}

--{15/02/2008}--
{TSL10.00m}
--{19/02/2008}--
[U131]

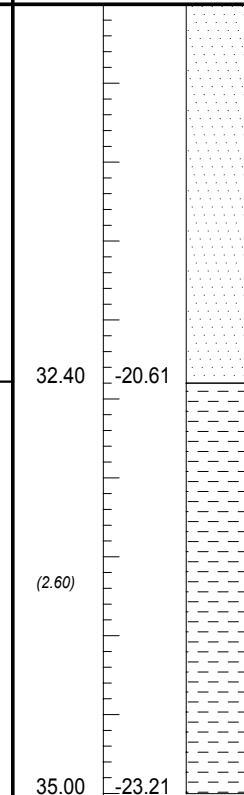
9, 14-
22 ,29 ,37 ,12 /30mm
{TSL16.20m}
--{19/02/2008}--

30.00	31.50	31.95	S 15	(83)
{10.10}	31.50	32.00	B 16	
{14.80}	32.50	32.95	U 5	{106}
	33.00		D 8	
24.50	34.50	34.95	S 16	(100)
{16.20}				((117))

-Very dense red brown slightly gravelly fine to medium grained SAND. Gravel is subangular to angular fine

Hard brown laminated slightly silty slightly sandy CLAY

Borehole Complete



Remarks

Logged by **AT** Drilled by **GB**
Ground level
11.79mAD
Co-ordinates:
E:349674 N:381650



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS18

Equipment and methods **Light Cable Percussion**

Casing

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Diameter
250mm
200mm
150mm

Depth
4.00m
10.00m
27.45m

26/02/2008

11/03/2008

27.45m

FIELD RECORDS

Samples / Tests

Description

Strata

Depth & Thickness m
Reduced Level (m)
Legend

FIELD RECORDS	Samples / Tests				Description	Strata		Legend	
	Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}		Depth & Thickness m	Reduced Level (m)		
1, 0--(26/02/2008)-- 1, 0, 1, 1 1, 0- 0, 1, 0, 1 --(27/02/2008)-- 1, 0- 1, 2, 1, 2 1, 0- 1, 2, 2, 2 --(27/02/2008)-- 3, 4- 7, 12, 14, 20 --(28/02/2008)--		0.20		D 1	MADE GROUND of compact graded granular limestone	(0.15)	11.86		
		0.50		D 2	MADE GROUND of black sandy ash and fine to medium cinker with much fine to medium brick fragments	0.15 (0.65)			
		1.00	1.45	S 1	MADE GROUND of loose black ash and fine to medium clinler with occasional fine brick fragments	0.80	11.21		
		1.00	1.50	B 1		(1.10)			
		1.00		D 3					
		1.70	2.00	S* 2	MADE GROUND of black sandy ash and fine to medium brick fragments	1.90	10.11		
		2.00	2.50	B 2		(1.00)			
		3.00	3.00	S 3	Bentonite seal installed from 2.00m to 4.00m		2.90		9.11
		3.00	3.50	B 3	Loose brown clayey fine to medium grained SAND - Water added at 3.50m	(1.10)			
		4.00	4.00	S* 4	Loose brown slightly gravelly fine to coarse grained SAND with large and small pockets of clay. Gravel is subangular to subrounded fine to coarse	4.00	8.01		
	4.00	4.50	B 4	(0.70)					
	5.00	5.45	U 1	Stiff reddish brown slightly sandy slightly gravelly CLAY with occasional medium sized pocket of red brown fine to medium sand and blue fine grained sand. Gravel is rounded to subangular and flat fine to medium					
	5.50		D 4						
	7.00	7.00	S 5	-Very dense red brown very clayey fine to medium grained SAND					
	7.00	7.50	B 5		(5.30)				
	9.00	9.45	U 2	{19}					
	9.50		D 5						
	9.64		W 1						
	10.00				10.00	2.01			

Remarks

1. An obstruction encountered at 1.80m. Borehole repositioned
2. CAT survey completed
3. Inspection pit completed 0.80x0.80x1.0m - 1hr
4. Bentonite seal installed from 2.00m to 4.00m
5. Casing reduced from 250mm to 200mm at 4.00m and from 200mm to 150mm at 10.00m

Logged by **AT** Drilled by **TM**

Ground level

12.01mAD

Co-ordinates:

E:349711

N:381650



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS18

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Diameter Casing Depth

26/02/2008

11/03/2008

27.45m

FIELD RECORDS	Samples / Tests					Description	Strata		Legend
	Casing (Water) Depth (m)	Depth (m) from	to	SAMPLE Type & No	SPT (N){Cu}		Depth & Thickness m	Reduced Level (m)	
21, 25- 47 ,53	--{29/02/2008}-- /65mm	11.00	11.00	11.30	S 6	(100)	Very stiff brown very sandy slightly gravelly CLAY with medium to large pockets of brown fine to medium grained sand . Gravel is subrounded to subangular flat and fine to medium, sand is fine to coarse	(2.80)	
		11.00	11.00	11.50	B 6	((139))			
19, 24- 38 ,51 ,19	/30mm	13.00	13.00	13.40	S 7	(100)	Very dense brown fine to coarse grained SAND	12.80	-0.79
		13.00	13.00	13.50	B 7	((166))			
8, 12- 16 ,19 ,26 ,28	{TSL9.64m} --{04/03/2008}--	15.00	15.00	15.45	S 8	(89)	Very dense red brown fine to medium grained SAND	14.40	-2.39
		{14.40	15.00	15.50	B 8				
9, 13- 22 ,25 ,43	/70mm	16.50	16.50	16.90	S 9	(100)	Very dense red brown slightly clayey slightly gravelly fine to medium grained SAND. Gravel is angular and fine	15.50	-3.49
		{11.80	16.50	17.00	B 9	((136))			
8, 10- 19 ,27 ,39 ,15	/20mm	18.50	18.50	18.95	S 10	(100)			
		{12.40	18.50	19.00	B 10	((122))			

Remarks	Logged by AT Drilled by TM Ground level 12.01mAD Co-ordinates: E:349711 N:381650
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Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS18

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Diameter Casing Depth

26/02/2008

11/03/2008

27.45m

FIELD RECORDS	Samples / Tests						Description	Strata		Legend
	Casing (Water) Depth (m)	Depth (m) from	to	SAMPLE Type & No	SPT (N){Cu}	Depth & Thickness m		Reduced Level (m)		
9, 12- 18 ,27 ,37 ,8 /10mm {TSL9.81m} --{07/03/2008}--	20.50 {12.50	20.50	20.95	S 11	(100)	-Very dense red brown slightly clayey slightly gravelly fine to medium grained SAND. Gravel is angular and fine	(10.70)			
		20.50	21.00	B 11	((127))					
5, 6- 19 ,26 ,38 ,17 /40mm {TSL9.58m} --{10/03/2008}--	22.50 {11.40	22.50	22.95	S 12	(100)					
		22.50	23.00	B 12	((113))					
8, 12- 17 ,28 ,39 ,16 /35mm {TSL9.89m} --{11/03/2008}--	24.50 {13.40	24.50	24.95	S 13	(100)					
		24.50	25.00	B 13	((115))					
25, /70mm 43 ,57 /65mm	26.30 {13.40	26.30	26.75	S 14	(100)	Highly weathered red brown SANDSTONE	26.20	-14.19		
		26.30	26.80	B 14	((214))		(1.25)			
25, /30mm 56 ,44 /60mm {TSL14.10m} --{11/03/2008}--	27.00 {14.10	27.00	27.45	S 15	(100)	Light Cable Percussion Complete. Continued by Rotary Coring	27.45	-15.44		
					((222))					

Remarks 	Logged by AT Drilled by TM Ground level 12.01mAD Co-ordinates: E:349711 N:381650
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Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS18R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Casing Diameter **90mm** Depth **35.90m**

Job No.: **14183**

Start Date: **17/03/2008** End Date: **17/03/2008** Final Depth: **35.90m**

Field Records	Drilling Records		Mechanical Log				Description	Depth & Thickness m	Strata Reduced Level (m)	Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %				
							MADE GROUND of compact graded granular limestone	(0.15)	11.86	[Cross-hatched pattern]
							MADE GROUND of black sandy ash and fine to medium cinker with much fine to medium brick fragments	0.15		
								(0.65)		
							MADE GROUND of loose black ash and fine to medium cliner with occasional fine brick fragments	0.80	11.21	
								(1.10)		
							MADE GROUND of black sandy ash and fine to medium brick fragments	1.90	10.11	
								(1.00)		
							Loose brown clayey fine to medium grained SAND - Water added at 3.50m	2.90	9.11	[Dotted pattern]
								(1.10)		
							Loose brown slightly gravelly fine to coarse grained SAND with large and small pockets of clay. Gravel is subangular to subrounded fine to coarse	4.00	8.01	
								(0.70)		
							Stiff reddish brown slightly sandy slightly gravelly CLAY with occasional medium sized pocket of red brown fine to medium sand and blue fine grained sand. Gravel is rounded to subangular and flat fine to medium	4.70	7.31	[Horizontal line pattern]
							<i>Very dense red brown very clayey fine to medium grained SAND</i>	(5.30)		
								10.00	2.01	[Vertical line pattern]

Remarks
 1. Borehole drilled with light cable percussive equipment to 26.90m.
 2. T6116 core barrel with polymer flush, 90mm core.
 3. Casing installed to 26.90m.
 4. Piezometer installed on completion

Logged by **SJB** Drilled by **GD**
 Ground level **12.01mAD**
 Co-ordinates:
E:349711 N:381650

30/04/2008 11:56:58

SSL-strata_core-08/05 Rev/B1



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS18R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **17/03/2008** End Date: **17/03/2008** Final Depth: **35.90m**

Field Records	Drilling Records		Mechanical Log					Description	Strata		Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %	if mm		Depth & Thickness m	Reduced Level (m)	
								Very stiff brown very sandy slightly gravelly CLAY with medium to large pockets of brown fine to medium grained sand . Gravel is subrounded to subangular flat and fine to medium, sand is fine to coarse	(2.80)		
								Very dense brown fine to coarse grained SAND	12.80	-0.79	
								Very dense red brown fine to medium grained SAND	14.40	-2.39	
								Very dense red brown slightly clayey slightly gravelly fine to medium grained SAND. Gravel is angular and fine	15.50	-3.49	

Remarks

- Borehole drilled with light cable percussive equipment to 26.90m.
- T6116 core barrel with polymer flush, 90mm core.
- Casing installed to 26.90m.
- Piezometer installed on completion

Logged by **SJB** Drilled by **GD**
 Ground level **12.01mAD**
 Co-ordinates:
E:349711 N:381650

30/04/2008 11:56:58

SSL-strata core-0805 Rev/B1



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS18R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **17/03/2008** End Date: **17/03/2008** Final Depth: **35.90m**

Field Records	Drilling Records		Mechanical Log				Description	Strata		Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		If mm	Depth & Thickness m	
TSL14.10m -(17/03/2008)-	90mm	26.90					<p><i>Very dense red brown slightly clayey slightly gravelly fine to medium grained SAND. Gravel is angular and fine</i></p>	(10.70)		
		27.32	1	93	83	60				
	90mm						<p>Very weak, medium to thickly bedded, red brown, very weakly cemented, slight to moderately weathered, fine- to medium-grained SANDSTONE Discontinuity sets - Bedding 80 to 90 degrees to core axis, planar, smooth, clean. (Some sections of very weakly</p>	(1.43)		
		27.45								
		29.90	2	99	97	95	430	Very weak, medium to thickly bedded, red brown, very weakly cemented, slightly weathered, fine- to medium-grained SANDSTONE with occasional thin bands of light green sandstone. Discontinuity sets - Bedding 80 to 90 degrees to core axis, planar, smooth,	28.88	-16.87

Remarks

- Borehole drilled with light cable percussive equipment to 26.90m.
- T6116 core barrel with polymer flush, 90mm core.
- Casing installed to 26.90m.
- Piezometer installed on completion

Logged by **SJB** Drilled by **GD**
 Ground level **12.01mAD**
 Co-ordinates: **E:349711 N:381650**



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS18R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **17/03/2008** End Date: **17/03/2008** Final Depth: **35.90m**

Field Records	Drilling Records		Mechanical Log					Description	Strata		Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %	lf mm		Depth & Thickness m	Reduced Level (m)	
- {17/03/2008} -	90mm	32.90	3	101	100	98	600	<p><i>Very weak, medium to thickly bedded, red brown, very weakly cemented, slightly weathered, fine- to medium-grained SANDSTONE with occasional thin bands of light green sandstone. Discontinuity sets - Bedding 80 to 90 degrees to core axis, planar, smooth, clean.</i></p> <p><i>Very weak red brown sandstone with dark brown staining from 30.97m to 31.78m</i></p>	(7.02)		
	90mm		4	101	101	95	375				
	CASED							Borehole Complete	35.90	-23.89	

Remarks

- Borehole drilled with light cable percussive equipment to 26.90m.
- T6116 core barrel with polymer flush, 90mm core.
- Casing installed to 26.90m.
- Piezometer installed on completion

Logged by **SJB** Drilled by **GD**
 Ground level **12.01mAD**
 Co-ordinates:
E:349711 N:381650



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS19

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Casing Diameter
250mm
200mm

Casing

Depth
9.50m
12.50m

13/11/2007

16/11/2007

12.78m

FIELD RECORDS	Samples / Tests				Description	Strata		Legend
	Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}		Depth & Thickness m	Reduced Level (m)	
		0.30	D 1		MADE GROUND of grass over topsoil	(0.25)	13.63	
		0.50	D 2		MADE GROUND of loose black ashy sandy subangular to angular fine to medium gravel with fine to medium brick and concrete fragments, fine coal fragments, pockets of lime waste and much root material	0.25		
		1.00	D 3			(1.65)		
1, 2- 2 ,3 ,3 ,3	1.20	1.20 1.65	S 1 (11)					
		1.20 1.70	B 1					
		1.70	D 4			1.90	11.98	
1, 0- 1 ,3 ,3 ,3	2.00	2.00 2.45	S 2 (10)		Medium dense brown black and red brown clayey slightly gravelly fine to coarse grained SAND. Gravel is fine to medium	(0.40)		
		2.00 2.50	B 2		Stiff brown slightly sandy gravelly CLAY. Gravel is subangular fine to medium	2.30	11.58	
--{14/11/2007}-- [U37]		3.00 3.45	U 1 {137}		Bentonite seal installed from 1.50m to 3.50m			
		3.50	D 4			(2.50)		
2, 3- --{14/11/2007}-- 4 ,4 ,3 ,4	4.00	4.00 4.45	S 3 (15)			4.80	9.08	
		4.00 4.50	B 3					
		5.00 5.45	U 2		Very stiff to stiff brown black and red brown very sandy gravelly CLAY. Gravel is subrounded to angular fine to coarse			
		5.50	D 5					
8, 17- 29 ,30 ,35 ,6 /15mm	6.10	6.50 6.95	S 4 (100)					
		6.50 7.00	B 4 ((125))					
		8.00 8.45	U 3			(5.80)		
		8.50	D 6					
9, 23- T1 9.42 18 ,25 ,26 ,26 --{15/11/2007}--	9.50	9.50 9.95	S 5 (95)					
		9.50 10.00	B 5					

Remarks

1. Water met at 10.60m (water level after 20mins - 9.42m)
2. Chiseling at 11.60m for 30mins
3. Bentonite seal installed from 1.50m to 3.50m
4. Casing reduced from 250mm to 200mm at 2.50m
5. Midday water level, borehole depth 11.50m, water level 8.61m

Logged by **AT** Drilled by **GB**

Ground level

13.88mAD

Co-ordinates:

E:349838

N:381595



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS19

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Diameter Casing Depth

13/11/2007

16/11/2007

12.78m

FIELD RECORDS

Samples / Tests

Description

Strata

Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}
	10.60	W 1	
4, 6-9, 10, 10, 12	11.00 {9.60} 11.00 11.45 11.50	S 6 B 6	(41)
17, 20-25, 75 /65mm /70m	11.70 {10.40} 11.70 12.15	S 7	(100) ((222))
21, 22-25, 70m, 75/55mm {TSL11.30m} --(15/11/2007)--	12.50 {11.30} 12.50 12.78	S 8	(100) ((240))

Depth & Thickness m	Reduced Level (m)	Legend
10.60	3.28	
(1.00)		
11.60	2.28	
(1.18)		
12.78	1.10	

-Firm brown slightly sandy gravelly CLAY. Gravel is subangular fine to medium

Dense brown fine to coarse grained SAND and subangular to subrounded fine to medium GRAVEL

Highly weathered red brown SANDSTONE

Light Cable Percussion Complete. Continued by Rotary Coring

Remarks

Logged by **AT** Drilled by **GB**
 Ground level **13.88mAD**
 Co-ordinates:
E:349838 N:381595



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS19R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Casing Diameter **90mm** Depth **20.97m**

Job No.: **14183**

Start Date: **07/02/2008** End Date: **08/02/2008** Final Depth: **20.97m**

Field Records	Drilling Records		Mechanical Log				Description	Strata		Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		If mm	Depth & Thickness m	
							MADE GROUND of grass over topsoil	(0.25) 0.25	13.63	
							MADE GROUND of loose black ashy sandy subangular to angular fine to medium gravel with fine to medium brick and concrete fragments, fine coal fragments, pockets of lime waste and much root material	(1.65)		
							Medium dense brown black and red brown clayey slightly gravelly fine to coarse grained SAND. Gravel is fine to medium	1.90 (0.40)	11.98	
							Stiff brown slightly sandy gravelly CLAY. Gravel is subangular fine to medium	2.30	11.58	
							Very stiff to stiff brown black and red brown very sandy gravelly CLAY. Gravel is subrounded to angular fine to coarse	(2.50) 4.80	9.08	
								(5.80)		

Remarks 1. Borehole drilling with light cable percussive equipment to 12.0. 2. T6116 core barrel with polymer flush, 90mm core. 3. Borehole drilled by open hole methods. 4. ODEX casing installed to 12.70m. 5. Borehole grouted with cement/bentonite grout on

Logged by **SJB** Drilled by **GD**
Ground level **13.88mAD**
Co-ordinates: **E:349838 N:381595**



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS19R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **07/02/2008** End Date: **08/02/2008** Final Depth: **20.97m**

Field Records	Drilling Records		Mechanical Log				Description	Strata		Legend	
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		If mm	Depth & Thickness m		Reduced Level (m)
-{07/02/2008}-	90mm	12.70	1	100	97	89	381	Firm brown slightly sandy gravelly CLAY. Gravel is subangular fine to medium	10.60	3.28	
								Dense brown fine to coarse grained SAND and subangular to subrounded fine to medium GRAVEL	(1.00)		
								Highly weathered red brown SANDSTONE	11.60	2.28	
								Light Cable Percussion Complete. Continued by Rotary Coring	(1.18)		
		15.75							(6.04)		
	90mm		2	100	99	96	768				
		18.82							18.82	-4.94	
	90mm		3	101	100	100	538	Very weak occasionally weak, medium bedded, red brown, very weakly cemented, slight to moderately weathered, fine- to medium-grained SANDSTONE with occasional thin bands of light grey green sandstone Discontinuity sets - Bedding 80 degrees to core axis, planar, smooth, clean.	(2.15)		

Remarks 1. Borehole drilling with light cable percussive equipment to 12.0. 2. T6116 core barrel with polymer flush, 90mm core. 3. Borehole drilled by open hole methods. 4. ODEX casing installed to 12.70m. 5. Borehole grouted with cement/bentonite grout on

Logged by **SJB** Drilled by **GD**
 Ground level **13.88mAD**
 Co-ordinates: **E:349838 N:381595**



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS19R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **07/02/2008** End Date: **08/02/2008** Final Depth: **20.97m**

Field Records	Drilling Records		Mechanical Log					Description	Strata		Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %	lf mm		Depth & Thickness m	Reduced Level (m)	
-{08/02/2008}-	CASED							<p><i>Very weak occasionally weak, medium bedded, red brown, very weakly cemented, slight to moderately weathered, fine- to medium-grained SANDSTONE with occasional thin bands of light grey green sandstone Discontinuity sets - Bedding 80 degrees to core axis, planar, smooth, clean.</i></p> <p>Borehole Complete</p>	20.97	-7.09	

Remarks

1. Borehole drilling with light cable percussive equipment to 12.0. 2. T6116 core barrel with polymer flush, 90mm core.
3. Borehole drilled by open hole methods.
4. ODEX casing installed to 12.70m.
5. Borehole grouted with cement/bentonite grout on

Logged by **SJB** Drilled by **GD**
 Ground level **13.88mAD**
 Co-ordinates:
E:349838 N:381595



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS20

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Casing

Diameter
200mm
150mm

Depth
5.00m
14.25m

30/01/2008

30/01/2008

14.35m

FIELD RECORDS

Samples / Tests

Description

Strata

Depth & Thickness m
Reduced Level (m)
Legend

FIELD RECORDS	Samples / Tests				Description	Strata		Legend
	Casing (Water) Depth (m)	Depth (m) from to	SAMPLE Type & No	SPT (N){Cu}		Depth & Thickness m	Reduced Level (m)	
		0.30	D 1		MADE GROUND of tarmac	(0.20)	14.28	
		0.50	D 2		MADE GROUND of light brown sandy clay with graded granular limestone	0.20	14.03	
		1.00	S 1	(4)	MADE GROUND of black ashy fine to medium grained sand with graded granular limestone	(0.25)	13.58	
1, 1- 1 ,1 ,1 ,1		1.00	B 1		MADE GROUND of black brown clayey ashy gravelly fine to medium grained sand with fine clinker and fine wood fragments. Gravel is subrounded fine to medium	0.45		
		1.00	D 3			0.90		
		1.00						
1, 0- 1 ,0 ,1 ,1		2.00	S 2	(3)	Very loose grey brown very clayey gravelly fine to medium grained SAND. Gravel is subrounded to subangular fine to medium	(2.30)		
		2.00	B 2					
		2.00						
T1 2.70		3.00	S* 3	(2)	Very stiff brown, with black specked, sandy gravelly CLAY with limestone pebbles. Gravel is subangular to subrounded flat fine to coarse			
1, 0- 1 ,0 ,1 ,0		3.00	B 3			3.20	11.28	
M1 3.20		3.20	W 1			(0.60)		
--{30/01/2008}-- [U120]		4.00	U 1	{391}	Bentonite seal installed from 3.00m to 5.00m	3.80	10.68	
		4.50	D 4			(1.20)		
{TSL3.80m} --{30/01/2008}--		5.00	S 4	(51)	Very stiff to stiff brown very sandy slightly gravelly CLAY with bands (<40mm) of brown fine to medium sand. Gravel is angular to subrounded fine to medium	5.00	9.48	
6, 9- 10 ,13 ,14 ,14		5.00	B 4					
		5.00						
4, 5- 4 ,6 ,8 ,11		6.50	S 5	(29)	Very dense brown fine to coarse grained SAND and subrounded to angular fine to medium GRAVEL	(4.60)		
		6.50	B 5					
		6.50						
14, 6- 5 ,10 ,20 ,29		9.20	S 6	(64)		9.60	4.88	
M2 9.60		9.50	B 6					
		9.60	W 2					

Remarks

- CAT survey completed
- Inspection pit completed - 0.80x0.80x1.00m - 2 1/2hrs
- Water met at 3.20m - after 20mins water level at 2.70m
- Bentonite seal installed from 3.00m to 5.00m

Logged by Drilled by

AT TM

Ground level

14.48mAD

Co-ordinates:

E:349870

N:381685



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS20

Equipment and methods **Light Cable Percussion**

Job No.: **14183**

Start Date:

End Date:

Final Depth:

Diameter Casing Depth

30/01/2008

30/01/2008

14.35m

FIELD RECORDS	Samples / Tests					Description	Strata		Legend
	Casing (Water) Depth (m)	Depth (m) from to		SAMPLE Type & No	SPT (N){Cu}		Depth & Thickness m	Reduced Level (m)	
12, 11- 8 ,5 ,7 ,12	11.00	11.00	11.45	S 7	(32)	-Very dense brown fine to coarse grained SAND and subrounded to angular fine to medium GRAVEL	(1.60)		
	{10.50}	11.00	11.50	B 7			11.20	3.28	
10, 15- /50mm 20 ,38 ,42	12.80	12.80	13.25	S 8	(100)	Dense red brown fine to coarse grained SAND and rounded to subangular fine to medium GRAVEL	(1.50)		
	{11.70}	12.80	13.30	B 8	((133))		12.70	1.78	
12, 13- /35mm 30 ,35 ,35 /70mm {TSL12.30m} --{31/01/2008}--	12.80	12.80	13.25	S 8	(100)	Highly weathered red SANDSTONE	(1.65)		
	{12.30}	12.80	13.30	B 8	((133))		12.70	1.78	
	12.80	13.90	14.35	S 9	((136))	Light Cable Percussion Complete. Continued by Rotary Coring	(1.65)		
							14.35	0.13	

Remarks	Logged by	Drilled by
	AT	TM
	Ground level	
	14.48mAD	
	Co-ordinates:	
	E:349870	N:381685

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Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS20R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Casing Diameter **90mm** Depth **24.92m**

Job No.: **14183**

Start Date: **25/02/2008** End Date: **27/02/2008** Final Depth: **24.92m**

Field Records	Drilling Records		Mechanical Log				Description	Depth & Thickness m	Strata Reduced Level (m)	Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %				
							MADE GROUND of tarmac	(0.20)	14.28	
							MADE GROUND of light brown sandy clay with graded granular limestone	0.20	14.03	
							MADE GROUND of black ashy fine to medium grained sand with graded granular limestone	(0.25)	14.03	
							MADE GROUND of black ashy fine to medium grained sand with graded granular limestone	0.45	13.58	
							MADE GROUND of black brown clayey ashy gravelly fine to medium grained sand with fine clinker and fine wood fragments. Gravel is subrounded fine to medium	(0.45)	13.58	
							MADE GROUND of black brown clayey ashy gravelly fine to medium grained sand with fine clinker and fine wood fragments. Gravel is subrounded fine to medium	0.90	11.28	
							Very loose grey brown very clayey gravelly fine to medium grained SAND. Gravel is subrounded to subangular fine to medium	(2.30)	11.28	
							Very loose grey brown very clayey gravelly fine to medium grained SAND. Gravel is subrounded to subangular fine to medium	3.20	10.68	
							Very stiff brown, with black specked, sandy gravelly CLAY with limestone pebbles. Gravel is subangular to subrounded flat fine to coarse	(0.60)	10.68	
							Very stiff brown, with black specked, sandy gravelly CLAY with limestone pebbles. Gravel is subangular to subrounded flat fine to coarse	3.80	9.48	
							Very stiff to stiff brown very sandy slightly gravelly CLAY with bands (<40mm) of brown fine to medium sand. Gravel is angular to subrounded fine to medium	(1.20)	9.48	
							Very stiff to stiff brown very sandy slightly gravelly CLAY with bands (<40mm) of brown fine to medium sand. Gravel is angular to subrounded fine to medium	5.00	4.88	
							Very dense brown fine to coarse grained SAND and subrounded to angular fine to medium GRAVEL	(4.60)	4.88	
							Very dense brown fine to coarse grained SAND and subrounded to angular fine to medium GRAVEL	9.60	4.88	

Remarks
 1. Borehole drilled with light cable percussive equipment to 14.30.
 2. T6116 core barrel with polymer flush, 90mm core.
 3. ODEX casing installed to 14.30m.
 4. Borehole grouted on completion.

Logged by **SJB** Drilled by **GD**

Ground level
14.48mAD

Co-ordinates:

E:349870 N:381685



Location **Project ISIS EFW Plant Phase 2**

Borehole No.

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

KS20R

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **25/02/2008** End Date: **27/02/2008** Final Depth: **24.92m**

Field Records	Drilling Records		Mechanical Log				Description	Strata		Legend										
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %		If mm	Depth & Thickness m		Reduced Level (m)									
-{26/02/2008}-	90mm	14.30	1	98	98	83	264	Very dense brown fine to coarse grained SAND and subrounded to angular fine to medium GRAVEL	(1.60)		11.20	3.28	(1.50)							
								Dense red brown fine to coarse grained SAND and rounded to subangular fine to medium GRAVEL					12.70	1.78	(1.65)					
								Highly weathered red SANDSTONE								14.35	0.13			
								Red brown fine to medium sand (Weathered SANDSTONE) Very weak, medium to thickly bedded, red brown, slight to moderately weathered, very weakly cemented, fine- to medium-grained SANDSTONE with occasional thin bands of light green sandstone. Discontinuity sets - Bedding 80 to 90 degrees to core axis, planar, smooth, clean. Joints 45 degrees to core axis, planar, smooth, clean. (Some sections recovered as red brown fine to medium sand)	(0.15)	-0.02	14.50									
	90mm	17.40					2	49	48	18	100				(7.88)					
								Zone of highly broken sandstone from 17.89m to 18.10m												

Remarks

- Borehole drilled with light cable percussive equipment to 14.30.
- T6116 core barrel with polymer flush, 90mm core.
- ODEX casing installed to 14.30m.
- Borehole grouted on completion.

Logged by **SJB** Drilled by **GD**

Ground level

14.48mAD

Co-ordinates:

E:349870

N:381685

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Location **Project ISIS EFW Plant Phase 2**

Borehole No.

KS20R

Client: **Ineos Chlor SKANSKA CORUS**

Project Ref.:

Equipment and methods **Diamond Core Polymer Flush**

Diameter Casing Depth

Job No.: **14183**

Start Date: **25/02/2008** End Date: **27/02/2008** Final Depth: **24.92m**

Field Records	Drilling Records		Mechanical Log					Description	Strata		Legend
	{Casing} Core Dia. mm	Depth (m)	RUN No	TCR %	SCR %	RQD %	lf mm		Depth & Thickness m	Reduced Level (m)	
	90mm	20.40						Zone of highly fractured sandstone from 21.30m to 21.50m			
		21.80	3	76	76	59	70				
	90mm		4	97	97	87	312	Very weak to weak, medium bedded, light green, slightly weathered, very weakly cemented, fine- to medium-grained SANDSTONE with interbedded bands of red brown sandstone. Discontinuity sets - Bedding 80 degrees to core axis, planar, smooth, clean. Joints Sub-vertical, planar to undulating, smooth, clean.	22.38	-7.90	
	CASED							Borehole Complete	24.92	-10.44	

-(27/02/2008)-

Remarks
 1. Borehole drilled with light cable percussive equipment to 14.30.
 2. T6116 core barrel with polymer flush, 90mm core.
 3. ODEX casing installed to 14.30m.
 4. Borehole grouted on completion.

Logged by **SJB** Drilled by **GD**
 Ground level **14.48mAD**
 Co-ordinates:
E:349870 N:381685



RECORD SHEET SYMBOL KEY

SAMPLES/TESTS

- U** Undisturbed 100mm open tube driven sample (depth records recovered length from start of test).
* Indicates a sample with Nil Recovery
- D** Small disturbed sample (depth records the interval of sample).
- B** Large disturbed sample (Bulk) depth records recorded interval.
- S** Standard penetration test (SPT; BS1377 Part 9) recovered as a small disturbed sample.
* Indicates a sample with Nil Recovery.
- C** Cone penetration test.
- W** Water sample.
- L** Continuous Dynamic Sample 84mm 1.0m long
Note for special sampling the container type shall be noted
E.g. j = glass jar, V = 40ml vial and septa

FIELD RECORD COLUMN

This column is used to present depth related information of site activity. The column will always show progress, details of water strikes and rises, field records of the SPT test and the Undisturbed sample blows. Other data may be present in this column and details of codes will be given in the remarks box at the bottom of the record sheet page.

Water Level Codes

- M1 2.00** Water strike (with sequential number of the strike).
T1 1.90 Temporary rest level after 20 minutes.

Progress Codes

- {07/08/2002}**-Records the date at the depth of the borehole when the borehole takes more than one day to complete.
- (TSL 3.00m)** Represents the rest level at the start of the shift (AM) or the end of the borehole shown with the date of observation.

Field Records

- 1,2-3,4,5,6** Detailed SPT records for each 75mm test interval (incomplete penetration tests will be recorded showing blows for measured penetration).
- [U60]** U100 open tube sampler blows to drive the sampler the full length i.e. sample plus cutting shoe.

ROTARY CORE DRILLING RECORDS

Details of the rock fracture state are given in the Mechanical Log portion of the sheet SCR TCR and RQD are described in BS5930: 1999. If is average fracture spacing over a particular lithology, Where the core is fully broken 0 indicates Non-Intact

Legend symbols are in accordance with BS5930: 1999 but for clarity may only show major constituent.

Strata descriptions are compiled by visual examination of samples obtained during boring, after BS 5930 and modified in accordance with Norbury et al (1986) and laboratory test results where applicable.

ALcontrol Geochem Analytical Services Sample Descriptions

Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref : 14183

Grain sizes
<0.063mm Very Fine
0.1mm - 0.063mm Fine
0.1mm - 2mm Medium
2mm - 10mm Coarse
>10mm Very Coarse

Sample Identity	Depth (m)	Colour	Grain Size	Description	Batch
KS02 D4	1.50	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Stones	5
KS02 D5	3.00	Brown	0.1mm - 0.063mm	Silty Clay with some Stones	5

* 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 occurring 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.
¹ Sample Description supplied by client

Validated
 Preliminary

ALcontrol Geochem Analytical Services

Table Of Results

ISO 17025 accredited
 M MCERTS accredited
 * Subcontracted test
 » Shown on prev. report

Job Number: 07/18158/02/01
 Client: Strata Surveys Ltd
 Client Ref. No.: 14183

Matrix: SOLID
 Location: PROJECT ISIS PHASE 2
 Client Contact: Neil Johnson

Sample Identity	KS02 D4	KS02 D5								Method Code	LoD/Units
Depth (m)	1.50	3.00									
Sample Type	SOLID	SOLID									
Sampled Date	24.10.07	24.10.07									
Sample Received Date	27.10.07	27.10.07									
Batch	5	5									
Sample Number(s)	224-228	229-232									
Boron Water Soluble	<3.5	<3.5								TM129 [#] _M	<3.5 mg/kg
Arsenic	7	<3								TM129 [#] _M	<3.0 mg/kg
Barium	370	7								TM129 [#] _M	<6.0 mg/kg
Beryllium	0.4	<0.4								TM129 [#]	<0.4 mg/kg
Cadmium	0.4	<0.3								TM129 [#]	<0.3 mg/kg
Chromium	21	<4.5								TM129 [#] _M	<4.5 mg/kg
Copper	33	<6								TM129 [#]	<6 mg/kg
Lead	91	5								TM129 [#] _M	<2 mg/kg
Mercury	2.5	<0.6								TM129 [#] _M	<0.6 mg/kg
Nickel	29	2.5								TM129 [#] _M	<0.9 mg/kg
Selenium	<3	<3								TM129 [#] _M	<3 mg/kg
Vanadium	37	4.2								TM129 [#] _M	<1.5 mg/kg
Zinc	63	17								TM129 [#] _M	<2.5 mg/kg
pH Value	8.40	8.08								TM133 [#] _M	<1.00 pH Units

All results expressed on a dry weight basis.

Date 07.11.2007

Validated
 Preliminary

ALcontrol Geochem Analytical Services

Table Of Results

ISO 17025 accredited
 M MCERTS accredited
 * Subcontracted test
 » Shown on prev. report

Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS02 D4	KS02 D5									Method Code	LoD/Units
Depth (m)	1.50	3.00										
Sample Type	SOLID	SOLID										
Sampled Date	24.10.07	24.10.07										
Sample Received Date	27.10.07	27.10.07										
Batch	5	5										
Sample Number(s)	224-228	229-232										
GRO (C4-C12)	13	<10									TM089	<10 ug/kg
MTBE	<10	<10									TM089 [#]	<10 ug/kg
Benzene	<10	<10									TM089 [#] _M	<10 ug/kg
Toluene	13	<10									TM089 [#] _M	<10 ug/kg
Ethyl benzene	<10	<10									TM089 [#] _M	<10 ug/kg
m & p Xylene	<10	<10									TM089 [#] _M	<10 ug/kg
o Xylene	<10	<10									TM089 [#] _M	<10 ug/kg
Aliphatics C5-C6	<10	<10									TM089	<10 ug/kg
Aliphatics >C6-C8	<10	<10									TM089	<10 ug/kg
Aliphatics >C8-C10	<10	<10									TM089	<10 ug/kg
Aliphatics >C10-C12	<10	<10									TM089	<10 ug/kg
Aliphatics >C12-C16	14000	650									TM173 [#]	<100 ug/kg
Aliphatics >C16-C21	27000	2000									TM173 [#]	<100 ug/kg
Aliphatics >C21-C35	120000	<100									TM173 [#]	<100 ug/kg
Total Aliphatics C5-C35	160000	2700									TM61/89	<100 ug/kg
Aromatics C6-C7	<10	<10									TM089	<10 ug/kg
Aromatics >C7-C8	13	<10									TM089	<10 ug/kg
Aromatics >EC8-EC10	<10	<10									TM089	<10 ug/kg
Aromatics >EC10-EC12	<10	<10									TM089	<10 ug/kg
Aromatics >EC12-EC16	7300	<100									TM173 [#]	<100 ug/kg
Aromatics >EC16-EC21	21000	<100									TM173 [#]	<100 ug/kg
Aromatics >EC21-EC35	180000	7300									TM173 [#]	<100 ug/kg
Total Aromatics C6-C35	210000	7300									TM61/89	<100 ug/kg
TPH (Aliphatics and Aromatics C5-C35)	370000	9900									TM61/89	<100 ug/kg

All results expressed on a dry weight basis.

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Job Number: 07/18158/02/01
 Client: Strata Surveys Ltd
 Client Ref. No.: 14183

Matrix: SOLID
 Location: PROJECT ISIS PHASE 2
 Client Contact: Neil Johnson

Sample Identity	KS02 D4	KS02 D5								Method Code	LoD/Units
Depth (m)	1.50	3.00									
Sample Type	SOLID	SOLID									
Sampled Date	24.10.07	24.10.07									
Sample Received Date	27.10.07	27.10.07									
Batch	5	5									
Sample Number(s)	224-228	229-232									
PAH by GCMS											
Naphthalene	500	12								TM074 [#] _M	<10 ug/kg
Acenaphthylene	19	<5								TM074 [#] _M	<5 ug/kg
Acenaphthene	100	<14								TM074 [#] _M	<14 ug/kg
Fluorene	110	<12								TM074 [#] _M	<12 ug/kg
Phenanthrene	780	37								TM074 [#] _M	<21 ug/kg
Anthracene	130	11								TM074 [#] _M	<9 ug/kg
Fluoranthene	610	52								TM074 [#] _M	<25 ug/kg
Pyrene	610	53								TM074 [#] _M	<22 ug/kg
Benz(a)anthracene	380	37								TM074 [#] _M	<12 ug/kg
Chrysene	400	20								TM074 [#] _M	<10 ug/kg
Benzo(b)fluoranthene	660	30								TM074 [#] _M	<16 ug/kg
Benzo(k)fluoranthene	180	<25								TM074 [#] _M	<25 ug/kg
Benzo(a)pyrene	440	14								TM074 [#] _M	<12 ug/kg
Indeno(123cd)pyrene	310	<11								TM074 [#] _M	<11 ug/kg
Dibenzo(ah)anthracene	100	<8								TM074 [#] _M	<8 ug/kg
Benzo(ghi)perylene	460	13								TM074 [#] _M	<10 ug/kg
PAH 16 Total	5800	280								TM074 [#] _M	<25 ug/kg

All results expressed on a dry weight basis.
 Date 07.11.2007

Validated
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ALcontrol Geochem Analytical Services

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS02 D4	KS02 D5													Method Code	LoD/Units
Depth (m)	1.50	3.00														
Sample Type	SOLID	SOLID														
Sampled Date	24.10.07	24.10.07														
Sample Received Date	27.10.07	27.10.07														
Batch	5	5														
Sample Number(s)	224-228	229-232														
SVOC by GCMS																
Phenols																
2-Chlorophenol	<100	<100													TM157	<100 ug/kg
2-Methylphenol	<100	<100													TM157	<100 ug/kg
2-Nitrophenol	<100	<100													TM157	<100 ug/kg
2,4-Dichlorophenol	<100	<100													TM157	<100 ug/kg
2,4-Dimethylphenol	<100	<100													TM157	<100 ug/kg
2,4,5-Trichlorophenol	<100	<100													TM157	<100 ug/kg
2,4,6-Trichlorophenol	<100	<100													TM157	<100 ug/kg
4-Chloro-3-methylphenol	<100	<100													TM157	<100 ug/kg
4-Methylphenol	<100	<100													TM157	<100 ug/kg
4-Nitrophenol	<100	<100													TM157	<100 ug/kg
Pentachlorophenol	<100	<100													TM157	<100 ug/kg
Phenol	<100	<100													TM157	<100 ug/kg

All results expressed on a dry weight basis.

Date 07.11.2007

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ALcontrol Geochem Analytical Services

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* Subcontracted test
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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS02 D4	KS02 D5									Method Code	LoD/Units
Depth (m)	1.50	3.00										
Sample Type	SOLID	SOLID										
Sampled Date	24.10.07	24.10.07										
Sample Received Date	27.10.07	27.10.07										
Batch	5	5										
Sample Number(s)	224-228	229-232										
PAHs												
2-Chloronaphthalene	<100	<100									TM157	<100 ug/kg
2-Methylnaphthalene	<100	<100									TM157	<100 ug/kg
Phthalates												
Bis(2-ethylhexyl) phthalate	<100	<100									TM157	<100 ug/kg
Butylbenzyl phthalate	<100	<100									TM157	<100 ug/kg
Di-n-butyl phthalate	<100	<100									TM157	<100 ug/kg
Di-n-Octyl phthalate	<100	<100									TM157	<100 ug/kg
Diethyl phthalate	<100	<100									TM157	<100 ug/kg
Dimethyl phthalate	<100	<100									TM157	<100 ug/kg
Other Semi-volatiles												
1,2-Dichlorobenzene	<100	<100									TM157	<100 ug/kg
1,2,4-Trichlorobenzene	<100	<100									TM157	<100 ug/kg
1,3-Dichlorobenzene	<100	<100									TM157	<100 ug/kg
1,4-Dichlorobenzene	<100	<100									TM157	<100 ug/kg
2-Nitroaniline	<100	<100									TM157	<100 ug/kg
2,4-Dinitrotoluene	<100	<100									TM157	<100 ug/kg
2,6-Dinitrotoluene	<100	<100									TM157	<100 ug/kg
3-Nitroaniline	<100	<100									TM157	<100 ug/kg
4-Bromophenylphenylether	<100	<100									TM157	<100 ug/kg
4-Chloroaniline	<100	<100									TM157	<100 ug/kg
4-Chlorophenylphenylether	<100	<100									TM157	<100 ug/kg
4-Nitroaniline	<100	<100									TM157	<100 ug/kg
Azobenzene	<100	<100									TM157	<100 ug/kg
Bis(2-chloroethoxy)methane	<100	<100									TM157	<100 ug/kg
Bis(2-chloroethyl)ether	<100	<100									TM157	<100 ug/kg
Carbazole	<100	<100									TM157	<100 ug/kg
Dibenzofuran	<100	<100									TM157	<100 ug/kg
Hexachlorobenzene	<100	<100									TM157	<100 ug/kg

All results expressed on a dry weight basis.

Date 07.11.2007

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Preliminary

ALcontrol Geochem Analytical Services

Table Of Results

ISO 17025 accredited
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* Subcontracted test
» Shown on prev. report

Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS02 D4	KS02 D5										Method Code	LoD/Units
Depth (m)	1.50	3.00											
Sample Type	SOLID	SOLID											
Sampled Date	24.10.07	24.10.07											
Sample Received Date	27.10.07	27.10.07											
Batch	5	5											
Sample Number(s)	224-228	229-232											
Other Semi-volatiles (cont)													
Hexachlorobutadiene	<100	<100										TM157	<100 ug/kg
Hexachlorocyclopentadiene	<100	<100										TM157	<100 ug/kg
Hexachloroethane	<100	<100										TM157	<100 ug/kg
Isophorone	<100	<100										TM157	<100 ug/kg
N-nitrosodi-n-propylamine	<100	<100										TM157	<100 ug/kg
Nitrobenzene	<100	<100										TM157	<100 ug/kg

All results expressed on a dry weight basis.

Date 07.11.2007

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS02 D4	KS02 D5									Method Code	LoD/Units
Depth (m)	1.50	3.00										
Sample Type	SOLID	SOLID										
Sampled Date	24.10.07	24.10.07										
Sample Received Date	27.10.07	27.10.07										
Batch	5	5										
Sample Number(s)	224-228	229-232										
Volatile Organic Compounds												
Dichlorodifluoromethane	<4	<4									TM116 [#]	<4 ug/kg
Chloromethane	<7	<7									TM116 [#]	<7 ug/kg
Vinyl Chloride	<10	<10									TM116 [#] _M	<10 ug/kg
Bromomethane	<13	<13									TM116 [#]	<13 ug/kg
Chloroethane	<14	<14									TM116 [#]	<14 ug/kg
Trichlorofluoromethane	<6	<6									TM116 [#] _M	<6 ug/kg
trans-1-2-Dichloroethene	<11	<11									TM116 [#]	<11 ug/kg
Dichloromethane	<10	<10									TM116 [#]	<10 ug/kg
Carbon Disulphide	<7	<7									TM116 [#] _M	<7 ug/kg
1,1-Dichloroethene	<10	<10									TM116 [#] _M	<10 ug/kg
1,1-Dichloroethane	<8	<8									TM116 [#] _M	<8 ug/kg
Methyl Tertiary Butyl Ether	<11	<11									TM116 [#] _M	<11 ug/kg
cis-1-2-Dichloroethene	<5	<5									TM116 [#] _M	<5 ug/kg
Bromochloromethane	<14	<14									TM116 [#]	<14 ug/kg
Chloroform	<8	<8									TM116 [#] _M	<8 ug/kg
2,2-Dichloropropane	<12	<12									TM116 [#]	<12 ug/kg
1,2-Dichloroethane	<5	<5									TM116 [#]	<5 ug/kg
1,1,1-Trichloroethane	<7	<7									TM116 [#] _M	<7 ug/kg
1,1-Dichloropropene	<11	<11									TM116 [#] _M	<11 ug/kg
Benzene	<9	<9									TM116 [#] _M	<9 ug/kg
Carbontetrachloride	<14	<14									TM116 [#] _M	<14 ug/kg
Dibromomethane	<9	<9									TM116 [#]	<9 ug/kg
1,2-Dichloropropane	<12	<12									TM116 [#] _M	<12 ug/kg
Bromodichloromethane	<7	<7									TM116 [#] _M	<7 ug/kg
Trichloroethene	<9	<9									TM116 [#] _M	<9 ug/kg
cis-1-3-Dichloropropene	<14	<14									TM116 [#] _M	<14 ug/kg
trans-1-3-Dichloropropene	<14	<14									TM116 [#] _M	<14 ug/kg
1,1,2-Trichloroethane	<10	<10									TM116 [#]	<10 ug/kg
Toluene	6	<5									TM116 [#] _M	<5 ug/kg
1,3-Dichloropropane	<7	<7									TM116 [#]	<7 ug/kg

All results expressed on a dry weight basis.

Date 07.11.2007

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ALcontrol Geochem Analytical Services

Table Of Results

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS02 D4	KS02 D5									Method Code	LoD/Units
Depth (m)	1.50	3.00										
Sample Type	SOLID	SOLID										
Sampled Date	24.10.07	24.10.07										
Sample Received Date	27.10.07	27.10.07										
Batch	5	5										
Sample Number(s)	224-228	229-232										
Volatile Organic Compounds (cont)												
Dibromochloromethane	<13	<13									TM116 [#]	<13 ug/kg
1,2-Dibromoethane	<12	<12									TM116 [#]	<12 ug/kg
Tetrachloroethene	<5	<5									TM116 [#]	<5 ug/kg
1,1,1,2-Tetrachloroethane	<10	<10									TM116 [#] _M	<10 ug/kg
Chlorobenzene	<5	<5									TM116 [#] _M	<5 ug/kg
Ethylbenzene	<4	<4									TM116 [#]	<4 ug/kg
p/m-Xylene	<14	<14									TM116 [#]	<14 ug/kg
Bromoform	<10	<10									TM116 [#]	<10 ug/kg
Styrene	<10	<10									TM116 [#]	<10 ug/kg
1,1,2,2-Tetrachloroethane	<10	<10									TM116 [#]	<10 ug/kg
o-Xylene	<10	<10									TM116 [#]	<10 ug/kg
1,2,3-Trichloropropane	<17	<17									TM116 [#]	<17 ug/kg
Isopropylbenzene	<5	<5									TM116 [#]	<5 ug/kg
Bromobenzene	<10	<10									TM116 [#] _M	<10 ug/kg
2-Chlorotoluene	<9	<9									TM116 [#]	<9 ug/kg
Propylbenzene	<11	<11									TM116 [#]	<11 ug/kg
4-Chlorotoluene	<12	<12									TM116 [#]	<12 ug/kg
1,2,4-Trimethylbenzene	<9	<9									TM116 [#]	<9 ug/kg
4-Isopropyltoluene	<11	<11									TM116 [#]	<11 ug/kg
1,3,5-Trimethylbenzene	<8	<8									TM116 [#]	<8 ug/kg
1,2-Dichlorobenzene	<12	<12									TM116 [#] _M	<12 ug/kg
1,4-Dichlorobenzene	<5	<5									TM116 [#] _M	<5 ug/kg
sec-Butylbenzene	<10	<10									TM116 [#]	<10 ug/kg
tert-Butylbenzene	<12	<12									TM116 [#]	<12 ug/kg
1,3-Dichlorobenzene	<6	<6									TM116 [#]	<6 ug/kg
n-Butylbenzene	<10	<10									TM116 [#]	<10 ug/kg
1,2-Dibromo-3-chloropropane	<14	<14									TM116 [#]	<14 ug/kg
1,2,4-Trichlorobenzene	<6	<6									TM116 [#]	<6 ug/kg
Naphthalene	<13	<13									TM116 [#]	<13 ug/kg
1,2,3-Trichlorobenzene	<11	<11									TM116 [#]	<11 ug/kg

All results expressed on a dry weight basis.

Date 07.11.2007

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ALcontrol Geochem Analytical Services
Table Of Results

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* Subcontracted test
» Shown on prev. report

Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS02 D4	KS02 D5											Method Code	LoD/Units
Depth (m)	1.50	3.00												
Sample Type	SOLID	SOLID												
Sampled Date	24.10.07	24.10.07												
Sample Received Date	27.10.07	27.10.07												
Batch	5	5												
Sample Number(s)	224-228	229-232												
Volatile Organic Compounds (cont)														
Hexachlorobutadiene	<12	<12											TM116 [#]	<12 ug/kg

All results expressed on a dry weight basis. Date 07.11.2007

ALcontrol Geochem Analytical Services

Table Of Results - Appendix

Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Report Key :

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

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

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

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample ¹	Surrogate Corrected
TM074	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS. MCERTS Accreditation on Soils for Naphthalene except when Kerosene present.	✓		DRY	
TM074	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS. MCERTS Accreditation on Soils for Naphthalene except when Kerosene present.	✓	✓	DRY	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)			WET	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓		WET	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓	✓	WET	
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS	✓		WET	
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS	✓	✓	WET	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer			DRY	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer	✓		DRY	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer	✓	✓	DRY	
TM133	BS 1377: Part 3 1990	Determination of pH in Soil and Water using the GLpH pH Meter	✓	✓	WET	
TM157		Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone			WET	
TM173		Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID	✓		DRY	
TM61/89		see TM061 and TM089 for details			WET	

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

ALcontrol Geochem Analytical Services Sample Descriptions

Job Number: 07/18807/02/01
Client: Strata Surveys Ltd
Client Ref : 14183

Grain sizes
 <0.063mm Very Fine
 0.1mm - 0.063mm Fine
 0.1mm - 2mm Medium
 2mm - 10mm Coarse
 >10mm Very Coarse

Sample Identity	Depth (m)	Colour	Grain Size	Description	Batch
KS2 D2	0.60	Dark Brown	2mm - 10mm	Gravel with some Stones	1

* 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 occurring 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.

¹ Sample Description supplied by client

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 * Subcontracted test
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Job Number: 07/18807/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS2 D2									Method Code	LoD/Units
Depth (m)	0.60										
Sample Type	SOLID										
Sampled Date	23.10.07										
Sample Received Date	24.10.07										
Batch	1										
Sample Number(s)	10-13										
Boron Water Soluble	<3.5									TM129 [#] _M	<3.5 mg/kg
Arsenic	7									TM129 [#] _M	<3.0 mg/kg
Barium	420									TM129 [#] _M	<6.0 mg/kg
Beryllium	0.6									TM129	<0.4 mg/kg
Cadmium	0.5									TM129	<0.3 mg/kg
Chromium	14									TM129 [#] _M	<4.5 mg/kg
Copper	39									TM129 [#]	<6 mg/kg
Lead	53									TM129 [#] _M	<2 mg/kg
Mercury	1.6									TM129 [#] _M	<0.6 mg/kg
Nickel	26									TM129 [#] _M	<0.9 mg/kg
Selenium	<3									TM129 [#] _M	<3 mg/kg
Vanadium	36									TM129 [#] _M	<1.5 mg/kg
Zinc	57									TM129 [#] _M	<2.5 mg/kg
Fraction of Organic Carbon	0.049									TM132 [#]	<0.002 NONE
pH Value	8.24									TM133 [#] _M	<1.00 pH Units

All results expressed on a dry weight basis.

Date 07.11.2007

Validated
 Preliminary

ALcontrol Geochem Analytical Services

Table Of Results

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 * Subcontracted test
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Job Number: 07/18807/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS2 D2									Method Code	LoD/Units
Depth (m)	0.60										
Sample Type	SOLID										
Sampled Date	23.10.07										
Sample Received Date	24.10.07										
Batch	1										
Sample Number(s)	10-13										
GRO (C4-C12)	<10									TM089	<10 ug/kg
MTBE	<10									TM089 [#]	<10 ug/kg
Benzene	<10									TM089 [#] _M	<10 ug/kg
Toluene	<10									TM089 [#] _M	<10 ug/kg
Ethyl benzene	<10									TM089 [#] _M	<10 ug/kg
m & p Xylene	<10									TM089 [#] _M	<10 ug/kg
o Xylene	<10									TM089 [#] _M	<10 ug/kg
Aliphatics C5-C6	<10									TM089	<10 ug/kg
Aliphatics >C6-C8	<10									TM089	<10 ug/kg
Aliphatics >C8-C10	<10									TM089	<10 ug/kg
Aliphatics >C10-C12	<10									TM089	<10 ug/kg
Aliphatics >C12-C16	12000									TM173 [#]	<100 ug/kg
Aliphatics >C16-C21	15000									TM173 [#]	<100 ug/kg
Aliphatics >C21-C35	98000									TM173 [#]	<100 ug/kg
Total Aliphatics C5-C35	120000									TM61/89	<100 ug/kg
Aromatics C6-C7	<10									TM089	<10 ug/kg
Aromatics >C7-C8	<10									TM089	<10 ug/kg
Aromatics >EC8-EC10	<10									TM089	<10 ug/kg
Aromatics >EC10-EC12	<10									TM089	<10 ug/kg
Aromatics >EC12-EC16	2600									TM173 [#]	<100 ug/kg
Aromatics >EC16-EC21	9800									TM173 [#]	<100 ug/kg
Aromatics >EC21-EC35	140000									TM173 [#]	<100 ug/kg
Total Aromatics C6-C35	150000									TM61/89	<100 ug/kg
TPH (Aliphatics and Aromatics C5-C35)	270000									TM61/89	<100 ug/kg

All results expressed on a dry weight basis.

Date 07.11.2007

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ALcontrol Geochem Analytical Services
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ISO 17025 accredited
 M MCERTS accredited
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Job Number: 07/18807/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS2 D2	Depth (m)	0.60	Sample Type	SOLID	Sampled Date	23.10.07	Sample Received Date	24.10.07	Batch	1	Sample Number(s)	10-13	Method Code	LoD/Units
PAH by GCMS															
Naphthalene	250													TM074 [#] _M	<10 ug/kg
Acenaphthylene	22													TM074 [#] _M	<5 ug/kg
Acenaphthene	36													TM074 [#] _M	<14 ug/kg
Fluorene	23													TM074 [#] _M	<12 ug/kg
Phenanthrene	410													TM074 [#] _M	<21 ug/kg
Anthracene	88													TM074 [#] _M	<9 ug/kg
Fluoranthene	620													TM074 [#] _M	<25 ug/kg
Pyrene	600													TM074 [#] _M	<22 ug/kg
Benz(a)anthracene	380													TM074 [#] _M	<12 ug/kg
Chrysene	390													TM074 [#] _M	<10 ug/kg
Benzo(b)fluoranthene	520													TM074 [#] _M	<16 ug/kg
Benzo(k)fluoranthene	190													TM074 [#] _M	<25 ug/kg
Benzo(a)pyrene	360													TM074 [#] _M	<12 ug/kg
Indeno(123cd)pyrene	270													TM074 [#] _M	<11 ug/kg
Dibenzo(ah)anthracene	72													TM074 [#] _M	<8 ug/kg
Benzo(ghi)perylene	370													TM074 [#] _M	<10 ug/kg
PAH 16 Total	4600													TM074 [#] _M	<25 ug/kg

All results expressed on a dry weight basis.

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Job Number: 07/18807/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS2 D2									Method Code	LoD/Units
Depth (m)	0.60										
Sample Type	SOLID										
Sampled Date	23.10.07										
Sample Received Date	24.10.07										
Batch	1										
Sample Number(s)	10-13										
SVOC by GCMS											
Phenols											
2-Chlorophenol	<1000									TM157	<100 ug/kg
2-Methylphenol	<1000									TM157	<100 ug/kg
2-Nitrophenol	<1000									TM157	<100 ug/kg
2,4-Dichlorophenol	<1000									TM157	<100 ug/kg
2,4-Dimethylphenol	<1000									TM157	<100 ug/kg
2,4,5-Trichlorophenol	<1000									TM157	<100 ug/kg
2,4,6-Trichlorophenol	<1000									TM157	<100 ug/kg
4-Chloro-3-methylphenol	<1000									TM157	<100 ug/kg
4-Methylphenol	<1000									TM157	<100 ug/kg
4-Nitrophenol	<1000									TM157	<100 ug/kg
Pentachlorophenol	<1000									TM157	<100 ug/kg
Phenol	<1000									TM157	<100 ug/kg

All results expressed on a dry weight basis.

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Job Number: 07/18807/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS2 D2										Method Code	LoD/Units
Depth (m)	0.60											
Sample Type	SOLID											
Sampled Date	23.10.07											
Sample Received Date	24.10.07											
Batch	1											
Sample Number(s)	10-13											
PAHs												
2-Chloronaphthalene	<1000										TM157	<100 ug/kg
2-Methylnaphthalene	<1000										TM157	<100 ug/kg
Phthalates												
Bis(2-ethylhexyl) phthalate	<1000										TM157	<100 ug/kg
Butylbenzyl phthalate	<1000										TM157	<100 ug/kg
Di-n-butyl phthalate	<1000										TM157	<100 ug/kg
Di-n-Octyl phthalate	<1000										TM157	<100 ug/kg
Diethyl phthalate	<1000										TM157	<100 ug/kg
Dimethyl phthalate	<1000										TM157	<100 ug/kg
Other Semi-volatiles												
1,2-Dichlorobenzene	<1000										TM157	<100 ug/kg
1,2,4-Trichlorobenzene	<1000										TM157	<100 ug/kg
1,3-Dichlorobenzene	<1000										TM157	<100 ug/kg
1,4-Dichlorobenzene	<1000										TM157	<100 ug/kg
2-Nitroaniline	<1000										TM157	<100 ug/kg
2,4-Dinitrotoluene	<1000										TM157	<100 ug/kg
2,6-Dinitrotoluene	<1000										TM157	<100 ug/kg
3-Nitroaniline	<1000										TM157	<100 ug/kg
4-Bromophenylphenylether	<1000										TM157	<100 ug/kg
4-Chloroaniline	<1000										TM157	<100 ug/kg
4-Chlorophenylphenylether	<1000										TM157	<100 ug/kg
4-Nitroaniline	<1000										TM157	<100 ug/kg
Azobenzene	<1000										TM157	<100 ug/kg
Bis(2-chloroethoxy)methane	<1000										TM157	<100 ug/kg
Bis(2-chloroethyl)ether	<1000										TM157	<100 ug/kg
Carbazole	<1000										TM157	<100 ug/kg
Dibenzofuran	<1000										TM157	<100 ug/kg
Hexachlorobenzene	<1000										TM157	<100 ug/kg

All results expressed on a dry weight basis.

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ALcontrol Geochem Analytical Services Table Of Results

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Job Number: 07/18807/02/01
 Client: Strata Surveys Ltd
 Client Ref. No.: 14183

Matrix: SOLID
 Location: PROJECT ISIS PHASE 2
 Client Contact: Neil Johnson

Sample Identity	KS2 D2									Method Code	LoD/Units
Depth (m)	0.60										
Sample Type	SOLID										
Sampled Date	23.10.07										
Sample Received Date	24.10.07										
Batch	1										
Sample Number(s)	10-13										
Other Semi-volatiles (cont)											
Hexachlorobutadiene	<1000									TM157	<100 ug/kg
Hexachlorocyclopentadiene	<1000									TM157	<100 ug/kg
Hexachloroethane	<1000									TM157	<100 ug/kg
Isophorone	<1000									TM157	<100 ug/kg
N-nitrosodi-n-propylamine	<1000									TM157	<100 ug/kg
Nitrobenzene	<1000									TM157	<100 ug/kg

All results expressed on a dry weight basis.

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Job Number: 07/18807/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS2 D2											Method Code	LoD/Units
Depth (m)	0.60												
Sample Type	SOLID												
Sampled Date	23.10.07												
Sample Received Date	24.10.07												
Batch	1												
Sample Number(s)	10-13												
Volatile Organic Compounds													
Dichlorodifluoromethane	<4											TM116 [#]	<4 ug/kg
Chloromethane	<7											TM116 [#]	<7 ug/kg
Vinyl Chloride	<10											TM116 [#] _M	<10 ug/kg
Bromomethane	<13											TM116 [#]	<13 ug/kg
Chloroethane	<14											TM116 [#]	<14 ug/kg
Trichlorofluoromethane	<6											TM116 [#] _M	<6 ug/kg
trans-1-2-Dichloroethene	<11											TM116 [#]	<11 ug/kg
Dichloromethane	<10											TM116 [#]	<10 ug/kg
Carbon Disulphide	<7											TM116 [#] _M	<7 ug/kg
1,1-Dichloroethene	<10											TM116 [#] _M	<10 ug/kg
1,1-Dichloroethane	<8											TM116 [#] _M	<8 ug/kg
Methyl Tertiary Butyl Ether	<11											TM116 [#] _M	<11 ug/kg
cis-1-2-Dichloroethene	<5											TM116 [#] _M	<5 ug/kg
Bromochloromethane	<14											TM116 [#]	<14 ug/kg
Chloroform	<8											TM116 [#] _M	<8 ug/kg
2,2-Dichloropropane	<12											TM116 [#]	<12 ug/kg
1,2-Dichloroethane	<5											TM116 [#]	<5 ug/kg
1,1,1-Trichloroethane	<7											TM116 [#] _M	<7 ug/kg
1,1-Dichloropropene	<11											TM116 [#] _M	<11 ug/kg
Benzene	<9											TM116 [#] _M	<9 ug/kg
Carbontetrachloride	<14											TM116 [#] _M	<14 ug/kg
Dibromomethane	<9											TM116 [#]	<9 ug/kg
1,2-Dichloropropane	<12											TM116 [#] _M	<12 ug/kg
Bromodichloromethane	<7											TM116 [#] _M	<7 ug/kg
Trichloroethene	36											TM116 [#] _M	<9 ug/kg
cis-1-3-Dichloropropene	<14											TM116 [#] _M	<14 ug/kg
trans-1-3-Dichloropropene	<14											TM116 [#] _M	<14 ug/kg
1,1,2-Trichloroethane	<10											TM116 [#]	<10 ug/kg
Toluene	<5											TM116 [#] _M	<5 ug/kg
1,3-Dichloropropane	<7											TM116 [#]	<7 ug/kg

All results expressed on a dry weight basis.

Date 07.11.2007

Validated
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ALcontrol Geochem Analytical Services

Table Of Results

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Job Number: 07/18807/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS2 D2											Method Code	LoD/Units
Depth (m)	0.60												
Sample Type	SOLID												
Sampled Date	23.10.07												
Sample Received Date	24.10.07												
Batch	1												
Sample Number(s)	10-13												
Volatile Organic Compounds (cont)													
Dibromochloromethane	<13											TM116 [#]	<13 ug/kg
1,2-Dibromoethane	<12											TM116 [#]	<12 ug/kg
Tetrachloroethene	14											TM116 [#]	<5 ug/kg
1,1,1,2-Tetrachloroethane	<10											TM116 [#] _M	<10 ug/kg
Chlorobenzene	<5											TM116 [#] _M	<5 ug/kg
Ethylbenzene	<4											TM116 [#]	<4 ug/kg
p/m-Xylene	<14											TM116 [#]	<14 ug/kg
Bromoform	<10											TM116 [#]	<10 ug/kg
Styrene	<10											TM116 [#]	<10 ug/kg
1,1,2,2-Tetrachloroethane	<10											TM116 [#]	<10 ug/kg
o-Xylene	<10											TM116 [#]	<10 ug/kg
1,2,3-Trichloropropane	<17											TM116 [#]	<17 ug/kg
Isopropylbenzene	<5											TM116 [#]	<5 ug/kg
Bromobenzene	<10											TM116 [#] _M	<10 ug/kg
2-Chlorotoluene	<9											TM116 [#]	<9 ug/kg
Propylbenzene	<11											TM116 [#]	<11 ug/kg
4-Chlorotoluene	<12											TM116 [#]	<12 ug/kg
1,2,4-Trimethylbenzene	10											TM116 [#]	<9 ug/kg
4-Isopropyltoluene	<11											TM116 [#]	<11 ug/kg
1,3,5-Trimethylbenzene	<8											TM116 [#]	<8 ug/kg
1,2-Dichlorobenzene	<12											TM116 [#] _M	<12 ug/kg
1,4-Dichlorobenzene	<5											TM116 [#] _M	<5 ug/kg
sec-Butylbenzene	<10											TM116 [#]	<10 ug/kg
tert-Butylbenzene	<12											TM116 [#]	<12 ug/kg
1,3-Dichlorobenzene	<6											TM116 [#]	<6 ug/kg
n-Butylbenzene	<10											TM116 [#]	<10 ug/kg
1,2-Dibromo-3-chloropropane	<14											TM116 [#]	<14 ug/kg
1,2,4-Trichlorobenzene	<6											TM116 [#]	<6 ug/kg
Naphthalene	<13											TM116 [#]	<13 ug/kg
1,2,3-Trichlorobenzene	<11											TM116 [#]	<11 ug/kg

All results expressed on a dry weight basis.

Date 07.11.2007

Validated
Preliminary

ALcontrol Geochem Analytical Services

Table Of Results

ISO 17025 accredited
M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 07/18807/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS2 D2													Method Code	LoD/Units
Depth (m)	0.60														
Sample Type	SOLID														
Sampled Date	23.10.07														
Sample Received Date	24.10.07														
Batch	1														
Sample Number(s)	10-13														
Volatile Organic Compounds (cont)															
Hexachlorobutadiene	<12													TM116#	<12 ug/kg

All results expressed on a dry weight basis.

Date 07.11.2007

ALcontrol Geochem Analytical Services

Table Of Results - Appendix

Job Number: 07/18807/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Report Key :

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

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

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

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample ¹	Surrogate Corrected
TM074	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS. MCERTS Accreditation on Soils for Naphthalene except when Kerosene present.	✓		DRY	
TM074	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS. MCERTS Accreditation on Soils for Naphthalene except when Kerosene present.	✓	✓	DRY	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)			WET	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓		WET	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓	✓	WET	
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS	✓		WET	
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS	✓	✓	WET	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer			DRY	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer	✓		DRY	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer	✓	✓	DRY	
TM132	In - house Method	ELTRA CS800 Operators Guide	✓		DRY	
TM133	BS 1377: Part 3 1990	Determination of pH in Soil and Water using the GLpH pH Meter	✓	✓	WET	
TM157		Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone			WET	
TM173		Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID	✓		DRY	

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

ALcontrol Geochem Analytical Services

Table Of Results - Appendix

Job Number: 07/18807/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Report Key :

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

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

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

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample ¹	Surrogate Corrected
TM61/89		see TM061 and TM089 for details			WET	

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

ALcontrol Geochem Analytical Services

Sample Descriptions

Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref : 14183

Grain sizes
<0.063mm Very Fine
0.1mm - 0.063mm Fine
0.1mm - 2mm Medium
2mm - 10mm Coarse
>10mm Very Coarse

Sample Identity	Depth (m)	Colour	Grain Size	Description	Batch
KS01 D1	0.50	Brown	0.1mm - 0.063mm	Silty Clay with some Stones	7
KS01 D2	0.80	Brown	0.1mm - 2mm	Sandy Clay with some Vegetation	7
KS04 D1	0.60	Brown	0.1mm - 2mm	Sand	7
KS05 D1	0.70	Black	0.1mm - 2mm	Sand with some Coal Fragments	7
WS01 D1	0.90	Black	0.1mm - 2mm	Sand with some Ash/Soot	7
WS01 D2	1.70	Dark Brown	0.1mm - 2mm	Sandy Clay with some Stones	7
WS01 D3	2.60	Brown	0.1mm - 2mm	Sand	7
WS02 D1	0.40	Black	0.1mm - 2mm	Sand with some Ash/Soot	7
WS02 D2	1.60	Black	0.1mm - 2mm	Sand with some Stones	7
WS02 D3	2.90	Dark Brown	0.1mm - 0.063mm	Silty Clay with some Stones	7
WS03 D1	0.60	Black	0.1mm - 2mm	Sand with some Ash/Soot	7
WS03 D2	1.50	Black	0.1mm - 2mm	Sand with some Ash/Soot	7
WS03 D3	2.80	Brown	0.1mm - 2mm	Sand	7
WS04 D1	0.20	Black	0.1mm - 2mm	Sand with some Ash/Soot	7
WS04 D1	0.80	Orange	0.1mm - 2mm	Sand with some Stones	7
WS04 D2	1.60	Brown	0.1mm - 2mm	Sand	7
WS04 D4	2.80	Brown	0.1mm - 0.063mm	Silty Clay with some Stones	7
WS06 D2	1.80	Brown	0.1mm - 2mm	Sand with some Vegetation	7
WS06 D3	2.20	Black	0.1mm - 2mm	Sand	7
WS07 D1	0.70	Brown	0.1mm - 0.063mm	Silty Clay	7
WS07 D2	0.90	Black	0.1mm - 0.063mm	Silt with some Stones	7
WS07 D3	1.90	Black	0.1mm - 2mm	Sand with some Stones	7
WS07 D4	2.80	Brown	0.1mm - 2mm	Sandy Clay with some Vegetation	7
WS08 D1	0.60	Black	0.1mm - 2mm	Sand with some Ash/Soot	7
WS08 D2	1.90	Brown	0.1mm - 0.063mm	Silty Clay with some Stones	7
WS08 D3	2.30	Brown	0.1mm - 2mm	Sand with some Stones	7
WS09 D3	1.30	Brown	0.1mm - 0.063mm	Silty Clay with some Stones	7
WS09 D4	2.70	Brown	0.1mm - 0.063mm	Silty Clay with some Stones	7
WS09 D5	4.10	Rust	0.1mm - 0.063mm	Silty Clay with some Stones	7

* 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 occurring 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.

¹ Sample Description supplied by client

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 Preliminary

ALcontrol Geochem Analytical Services

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 M MCERTS accredited
 * Subcontracted test
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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS01 D1	KS01 D2	KS04 D1	KS05 D1	WS01 D1	WS01 D2	WS01 D3	WS02 D1	WS02 D2	Method Code	LoD/Units
Depth (m)	0.50	0.80	0.60	0.70	0.90	1.70	2.60	0.40	1.60		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	02.11.07	02.11.07	02.11.07	31.10.07	31.10.07	05.11.07	05.11.07	31.10.07	05.11.07		
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07		
Batch	7	7	7	7	7	7	7	7	7		
Sample Number(s)	305-309	310-314	315-319	320-324	325-329	330-334	335-339	340-344	345-349		
Boron Water Soluble	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	TM129 [#] _M	<3.5 mg/kg
Arsenic	10	12	<3	23	12	10	<3	32	48	TM129 [#] _M	<3.0 mg/kg
Barium	72	52	11	110	360	65	23	370	920	TM129 [#] _M	<6.0 mg/kg
Beryllium	<0.4	0.4	<0.4	1.0	3.8	<0.4	<0.4	4.8	<0.4	TM129 [#] _M	<0.4 mg/kg
Cadmium	0.5	<0.3	<0.3	0.5	5.4	<0.3	0.4	1.0	6.9	TM129 [#] _M	<0.3 mg/kg
Chromium	13	12	<4.5	12	25	17	7.5	31	18	TM129 [#] _M	<4.5 mg/kg
Copper	32	25	<6	40	140	36	9	140	360	TM129 [#] _M	<6 mg/kg
Lead	46	55	17	38	39	74	6	130	1400	TM129 [#] _M	<2 mg/kg
Mercury	1.1	<0.6	0.7	3.3	0.7	<0.6	<0.6	5.7	8.6	TM129 [#] _M	<0.6 mg/kg
Nickel	15	14	3.1	29	110	16	8.6	120	35	TM129 [#] _M	<0.9 mg/kg
Selenium	<3	<3	<3	<3	<3	<3	<3	<3	<3	TM129 [#] _M	<3 mg/kg
Vanadium	19	17	5.3	33	90	21	8.5	110	36	TM129 [#] _M	<1.5 mg/kg
Zinc	88	75	23	88	440	68	44	190	920	TM129 [#] _M	<2.5 mg/kg
Fraction of Organic Carbon	0.027	0.014	0.003	0.31	0.15	0.013	-	0.23	0.10	TM132 [#] _M	<0.002 NONE
pH Value	9.93	9.92	7.89	8.33	8.09	6.94	7.55	8.08	10.54	TM133 [#] _M	<1.00 pH Units

All results expressed on a dry weight basis.

Date 14.11.2007

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Table Of Results

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS01 D1	KS01 D2	KS04 D1	KS05 D1	WS01 D1	WS01 D2	WS01 D3	WS02 D1	WS02 D2	Method Code	LoD/Units
Depth (m)	0.50	0.80	0.60	0.70	0.90	1.70	2.60	0.40	1.60		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	02.11.07	02.11.07	02.11.07	31.10.07	31.10.07	05.11.07	05.11.07	31.10.07	05.11.07		
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07		
Batch	7	7	7	7	7	7	7	7	7		
Sample Number(s)	305-309	310-314	315-319	320-324	325-329	330-334	335-339	340-344	345-349		
GRO (C4-C12)	<10	<10	58	110	13	45	<10	95	150	TM089	<10 ug/kg
MTBE	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 [#]	<10 ug/kg
Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 ^{#M}	<10 ug/kg
Toluene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 ^{#M}	<10 ug/kg
Ethyl benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 ^{#M}	<10 ug/kg
m & p Xylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 ^{#M}	<10 ug/kg
o Xylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 ^{#M}	<10 ug/kg
Aliphatics C5-C6	<10	<10	16	<10	<10	13	<10	<10	<10	TM089	<10 ug/kg
Aliphatics >C6-C8	<10	<10	12	110	<10	32	<10	23	47	TM089	<10 ug/kg
Aliphatics >C8-C10	<10	<10	12	<10	<10	<10	<10	29	40	TM089	<10 ug/kg
Aliphatics >C10-C12	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aliphatics >C12-C16	4200	<100	<100	6200	3100	1300	<100	9900	16000	TM173 [#]	<100 ug/kg
Aliphatics >C16-C21	9700	<100	<100	6300	4800	2500	<100	12000	40000	TM173 [#]	<100 ug/kg
Aliphatics >C21-C35	51000	<100	720	15000	7000	7200	<100	22000	510000	TM173 [#]	<100 ug/kg
Total Aliphatics C5-C35	65000	<100	760	28000	15000	11000	<100	44000	570000	TM61/89	<100 ug/kg
Aromatics C6-C7	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aromatics >C7-C8	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aromatics >EC8-EC10	<10	<10	18	<10	13	<10	<10	43	60	TM089	<10 ug/kg
Aromatics >EC10-EC12	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aromatics >EC12-EC16	6900	<100	<100	17000	1700	320	<100	11000	17000	TM173 [#]	<100 ug/kg
Aromatics >EC16-EC21	24000	<100	470	35000	1900	470	<100	8900	30000	TM173 [#]	<100 ug/kg
Aromatics >EC21-EC35	130000	7400	2900	90000	5900	23000	<100	26000	300000	TM173 [#]	<100 ug/kg
Total Aromatics C6-C35	160000	7400	3400	140000	9500	24000	<100	46000	340000	TM61/89	<100 ug/kg
TPH (Aliphatics and Aromatics C5-C35)	220000	7400	4200	170000	24000	35000	<100	90000	910000	TM61/89	<100 ug/kg

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS01 D1	KS01 D2	KS04 D1	KS05 D1	WS01 D1	WS01 D2	WS01 D3	WS02 D1	WS02 D2	Method Code	LoD/Units
Depth (m)	0.50	0.80	0.60	0.70	0.90	1.70	2.60	0.40	1.60		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	02.11.07	02.11.07	02.11.07	31.10.07	31.10.07	05.11.07	05.11.07	31.10.07	05.11.07		
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07		
Batch	7	7	7	7	7	7	7	7	7		
Sample Number(s)	305-309	310-314	315-319	320-324	325-329	330-334	335-339	340-344	345-349		
PAH by GCMS											
Naphthalene	720	47	44	700	280	58	28	1200	2400	TM074 [#] _M	<10 ug/kg
Acenaphthylene	58	7	7	150	<5	6	<5	42	150	TM074 [#] _M	<5 ug/kg
Acenaphthene	570	19	16	170	37	19	<14	19	39	TM074 [#] _M	<14 ug/kg
Fluorene	530	18	15	210	28	19	<12	36	120	TM074 [#] _M	<12 ug/kg
Phenanthrene	7700	170	84	2100	600	190	63	1200	2900	TM074 [#] _M	<21 ug/kg
Anthracene	820	47	23	340	110	35	12	170	380	TM074 [#] _M	<9 ug/kg
Fluoranthene	7900	280	140	760	530	200	60	580	2500	TM074 [#] _M	<25 ug/kg
Pyrene	6000	260	170	720	450	170	57	450	2000	TM074 [#] _M	<22 ug/kg
Benz(a)anthracene	3000	140	120	600	310	110	42	380	1200	TM074 [#] _M	<12 ug/kg
Chrysene	3900	190	110	530	370	130	38	450	1400	TM074 [#] _M	<10 ug/kg
Benzo(b)fluoranthene	4300	88	100	360	170	140	39	240	1400	TM074 [#] _M	<16 ug/kg
Benzo(k)fluoranthene	2000	89	72	190	200	62	<25	180	540	TM074 [#] _M	<25 ug/kg
Benzo(a)pyrene	2800	110	100	340	130	80	23	150	830	TM074 [#] _M	<12 ug/kg
Indeno(123cd)pyrene	1700	69	49	160	19	53	<11	100	570	TM074 [#] _M	<11 ug/kg
Dibenzo(ah)anthracene	790	22	14	91	12	16	<8	49	190	TM074 [#] _M	<8 ug/kg
Benzo(ghi)perylene	1900	79	57	330	26	67	16	190	790	TM074 [#] _M	<10 ug/kg
PAH 16 Total	45000	1600	1100	7700	3300	1400	380	5400	17000	TM074 [#] _M	<25 ug/kg

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS01 D1	KS01 D2	KS04 D1	KS05 D1	WS01 D1	WS01 D2	WS01 D3	WS02 D1	WS02 D2	Method Code	LoD/Units
Depth (m)	0.50	0.80	0.60	0.70	0.90	1.70	2.60	0.40	1.60		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	02.11.07	02.11.07	02.11.07	31.10.07	31.10.07	05.11.07	05.11.07	31.10.07	05.11.07		
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07		
Batch	7	7	7	7	7	7	7	7	7		
Sample Number(s)	305-309	310-314	315-319	320-324	325-329	330-334	335-339	340-344	345-349		
SVOC by GCMS											
Phenols											
2-Chlorophenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2-Methylphenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2-Nitrophenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2,4-Dichlorophenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2,4-Dimethylphenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2,4,5-Trichlorophenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2,4,6-Trichlorophenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Chloro-3-methylphenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Methylphenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Nitrophenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Pentachlorophenol	<100	<100	<100	<100	<100	<100	<100	180	<100	TM157	<100 ug/kg
Phenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg

All results expressed on a dry weight basis.

Date 14.11.2007

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ALcontrol Geochem Analytical Services

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS01 D1	KS01 D2	KS04 D1	KS05 D1	WS01 D1	WS01 D2	WS01 D3	WS02 D1	WS02 D2	Method Code	LoD/Units
Depth (m)	0.50	0.80	0.60	0.70	0.90	1.70	2.60	0.40	1.60		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	02.11.07	02.11.07	02.11.07	31.10.07	31.10.07	05.11.07	05.11.07	31.10.07	05.11.07		
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07		
Batch	7	7	7	7	7	7	7	7	7		
Sample Number(s)	305-309	310-314	315-319	320-324	325-329	330-334	335-339	340-344	345-349		
PAHs											
2-Chloronaphthalene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2-Methylnaphthalene	330	<100	<100	<100	150	<100	<100	880	850	TM157	<100 ug/kg
Phthalates											
Bis(2-ethylhexyl) phthalate	160	<100	<100	<100	<100	260	<100	<100	200	TM157	<100 ug/kg
Butylbenzyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Di-n-butyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Di-n-Octyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Diethyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Dimethyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Other Semi-volatiles											
1,2-Dichlorobenzene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
1,2,4-Trichlorobenzene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
1,3-Dichlorobenzene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
1,4-Dichlorobenzene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2-Nitroaniline	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2,4-Dinitrotoluene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2,6-Dinitrotoluene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
3-Nitroaniline	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Bromophenylphenylether	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Chloroaniline	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Chlorophenylphenylether	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Nitroaniline	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Azobenzene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Bis(2-chloroethoxy)methane	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Bis(2-chloroethyl)ether	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Carbazole	290	<100	<100	<100	<100	<100	<100	<100	170	TM157	<100 ug/kg
Dibenzofuran	320	<100	<100	<100	<100	<100	<100	310	340	TM157	<100 ug/kg
Hexachlorobenzene	<100	<100	<100	<100	<100	<100	<100	<100	680	TM157	<100 ug/kg

All results expressed on a dry weight basis.

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Validated
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ALcontrol Geochem Analytical Services

Table Of Results

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS01 D1	KS01 D2	KS04 D1	KS05 D1	WS01 D1	WS01 D2	WS01 D3	WS02 D1	WS02 D2	Method Code	LoD/Units
Depth (m)	0.50	0.80	0.60	0.70	0.90	1.70	2.60	0.40	1.60		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	02.11.07	02.11.07	02.11.07	31.10.07	31.10.07	05.11.07	05.11.07	31.10.07	05.11.07		
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07		
Batch	7	7	7	7	7	7	7	7	7		
Sample Number(s)	305-309	310-314	315-319	320-324	325-329	330-334	335-339	340-344	345-349		
Other Semi-volatiles (cont)											
Hexachlorobutadiene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Hexachlorocyclopentadiene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Hexachloroethane	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Isophorone	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
N-nitrosodi-n-propylamine	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Nitrobenzene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg

All results expressed on a dry weight basis.

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ALcontrol Geochem Analytical Services

Table Of Results

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS01 D1	KS01 D2	KS04 D1	KS05 D1	WS01 D1	WS01 D2	WS01 D3	WS02 D1	WS02 D2	Method Code	LoD/Units
Depth (m)	0.50	0.80	0.60	0.70	0.90	1.70	2.60	0.40	1.60		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	02.11.07	02.11.07	02.11.07	31.10.07	31.10.07	05.11.07	05.11.07	31.10.07	05.11.07		
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07		
Batch	7	7	7	7	7	7	7	7	7		
Sample Number(s)	305-309	310-314	315-319	320-324	325-329	330-334	335-339	340-344	345-349		
Volatile Organic Compounds											
Dichlorodifluoromethane	<4	<4	<4	<4	<4	<4	<4	<4	<4	TM116 [#]	<4 ug/kg
Chloromethane	<7	<7	<7	<7	<7	<7	<7	<7	<7	TM116 [#]	<7 ug/kg
Vinyl Chloride	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#] _M	<10 ug/kg
Bromomethane	<13	<13	<13	<13	<13	<13	<13	<13	<13	TM116 [#]	<13 ug/kg
Chloroethane	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#]	<14 ug/kg
Trichlorofluoromethane	<6	<6	<6	<6	<6	<6	<6	<6	<6	TM116 [#] _M	<6 ug/kg
trans-1-2-Dichloroethene	<11	<11	<11	<11	<11	<11	<11	<11	<11	TM116 [#]	<11 ug/kg
Dichloromethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
Carbon Disulphide	<7	<7	<7	<7	<7	<7	<7	<7	<7	TM116 [#] _M	<7 ug/kg
1,1-Dichloroethene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#] _M	<10 ug/kg
1,1-Dichloroethane	<8	<8	<8	<8	<8	<8	<8	<8	<8	TM116 [#] _M	<8 ug/kg
Methyl Tertiary Butyl Ether	<11	<11	<11	<11	<11	<11	<11	<11	<11	TM116 [#] _M	<11 ug/kg
cis-1-2-Dichloroethene	<5	<5	<5	<5	<5	32	<5	<5	<5	TM116 [#] _M	<5 ug/kg
Bromochloromethane	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#]	<14 ug/kg
Chloroform	<8	<8	<8	<8	<8	<8	<8	<8	<8	TM116 [#] _M	<8 ug/kg
2,2-Dichloropropane	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116 [#]	<12 ug/kg
1,2-Dichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	TM116 [#]	<5 ug/kg
1,1,1-Trichloroethane	<7	<7	<7	110	<7	<7	<7	<7	<7	TM116 [#] _M	<7 ug/kg
1,1-Dichloropropene	<11	<11	<11	<11	<11	<11	<11	<11	<11	TM116 [#] _M	<11 ug/kg
Benzene	<9	<9	<9	<9	<9	<9	<9	<9	<9	TM116 [#] _M	<9 ug/kg
Carbontetrachloride	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#] _M	<14 ug/kg
Dibromomethane	<9	<9	<9	<9	<9	<9	<9	<9	<9	TM116 [#]	<9 ug/kg
1,2-Dichloropropane	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116 [#] _M	<12 ug/kg
Bromodichloromethane	<7	<7	<7	<7	<7	<7	<7	<7	<7	TM116 [#] _M	<7 ug/kg
Trichloroethene	<9	<9	<9	240	16	63	<9	69	140	TM116 [#] _M	<9 ug/kg
cis-1-3-Dichloropropene	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#] _M	<14 ug/kg
trans-1-3-Dichloropropene	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#] _M	<14 ug/kg
1,1,2-Trichloroethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
Toluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	TM116 [#] _M	<5 ug/kg
1,3-Dichloropropane	<7	<7	<7	<7	<7	<7	<7	<7	<7	TM116 [#]	<7 ug/kg

All results expressed on a dry weight basis.

Date 14.11.2007

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ALcontrol Geochem Analytical Services

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS01 D1	KS01 D2	KS04 D1	KS05 D1	WS01 D1	WS01 D2	WS01 D3	WS02 D1	WS02 D2	Method Code	LoD/Units
Depth (m)	0.50	0.80	0.60	0.70	0.90	1.70	2.60	0.40	1.60		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	02.11.07	02.11.07	02.11.07	31.10.07	31.10.07	05.11.07	05.11.07	31.10.07	05.11.07		
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07		
Batch	7	7	7	7	7	7	7	7	7		
Sample Number(s)	305-309	310-314	315-319	320-324	325-329	330-334	335-339	340-344	345-349		
Volatile Organic Compounds (cont)											
Dibromochloromethane	<13	<13	<13	<13	<13	<13	<13	<13	<13	TM116 [#]	<13 ug/kg
1,2-Dibromoethane	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116 [#]	<12 ug/kg
Tetrachloroethene	<5	<5	<5	16	130	<5	<5	230	330	TM116 [#]	<5 ug/kg
1,1,1,2-Tetrachloroethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 ^{#M}	<10 ug/kg
Chlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	TM116 ^{#M}	<5 ug/kg
Ethylbenzene	<4	<4	<4	<4	<4	<4	<4	<4	<4	TM116 [#]	<4 ug/kg
p/m-Xylene	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#]	<14 ug/kg
Bromoform	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
Styrene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
1,1,2,2-Tetrachloroethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
o-Xylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
1,2,3-Trichloropropane	<17	<17	<17	<17	<17	<17	<17	<17	<17	TM116 [#]	<17 ug/kg
Isopropylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	TM116 [#]	<5 ug/kg
Bromobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 ^{#M}	<10 ug/kg
2-Chlorotoluene	<9	<9	<9	<9	<9	<9	<9	<9	<9	TM116 [#]	<9 ug/kg
Propylbenzene	<11	<11	<11	<11	<11	<11	<11	<11	<11	TM116 [#]	<11 ug/kg
4-Chlorotoluene	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116 [#]	<12 ug/kg
1,2,4-Trimethylbenzene	<9	<9	<9	<9	<9	<9	<9	<9	<9	TM116 [#]	<9 ug/kg
4-Isopropyltoluene	<11	<11	<11	<11	<11	<11	<11	<11	<11	TM116 [#]	<11 ug/kg
1,3,5-Trimethylbenzene	<8	<8	<8	<8	<8	<8	<8	<8	<8	TM116 [#]	<8 ug/kg
1,2-Dichlorobenzene	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116 ^{#M}	<12 ug/kg
1,4-Dichlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	TM116 ^{#M}	<5 ug/kg
sec-Butylbenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
tert-Butylbenzene	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116 [#]	<12 ug/kg
1,3-Dichlorobenzene	<6	<6	<6	<6	<6	<6	<6	<6	<6	TM116 [#]	<6 ug/kg
n-Butylbenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
1,2-Dibromo-3-chloropropane	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#]	<14 ug/kg
1,2,4-Trichlorobenzene	<6	<6	<6	<6	<6	<6	<6	<6	<6	TM116 [#]	<6 ug/kg
Naphthalene	<13	<13	<13	<13	<13	<13	<13	<13	<13	TM116 [#]	<13 ug/kg
1,2,3-Trichlorobenzene	<11	<11	<11	<11	<11	<11	<11	<11	<11	TM116 [#]	<11 ug/kg

All results expressed on a dry weight basis.

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Job Number: 07/18158/02/01 **Matrix:** SOLID
Client: Strata Surveys Ltd **Location:** PROJECT ISIS PHASE 2
Client Ref. No.: 14183 **Client Contact:** Neil Johnson

Sample Identity	KS01 D1	KS01 D2	KS04 D1	KS05 D1	WS01 D1	WS01 D2	WS01 D3	WS02 D1	WS02 D2	Method Code	LoD/Units		
Depth (m)	0.50	0.80	0.60	0.70	0.90	1.70	2.60	0.40	1.60				
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID				
Sampled Date	02.11.07	02.11.07	02.11.07	31.10.07	31.10.07	05.11.07	05.11.07	31.10.07	05.11.07				
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07				
Batch	7	7	7	7	7	7	7	7	7				
Sample Number(s)	305-309	310-314	315-319	320-324	325-329	330-334	335-339	340-344	345-349				
Volatile Organic Compounds (cont)													
Hexachlorobutadiene	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116#	<12 ug/kg		

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS02 D3	WS03 D1	WS03 D2	WS03 D3	WS04 D1	WS04 D1	WS04 D2	WS04 D4	WS06 D2	Method Code	LoD/Units
Depth (m)	2.90	0.60	1.50	2.80	0.20	0.80	1.60	2.80	1.80		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	05.11.07	31.10.07	05.11.07	05.11.07	02.11.07	02.11.07	02.11.07	06.11.07	31.10.07		
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07		
Batch	7	7	7	7	7	7	7	7	7		
Sample Number(s)	350-354	355-359	360-364	365-369	370-374	375-379	380-384	385-389	390-394		
Boron Water Soluble	<3.5	3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	TM129 [#] _M	<3.5 mg/kg
Arsenic	12	5	13	<3	12	5	<3	<3	<3	TM129 [#] _M	<3.0 mg/kg
Barium	150	310	450	26	170	19	13	78	23	TM129 [#] _M	<6.0 mg/kg
Beryllium	2.2	5.9	3.9	<0.4	<0.4	<0.4	<0.4	0.5	<0.4	TM129	<0.4 mg/kg
Cadmium	0.8	1.6	0.5	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	TM129	<0.3 mg/kg
Chromium	18	21	33	6.9	15	8.3	5.1	31	7.7	TM129 [#] _M	<4.5 mg/kg
Copper	58	110	60	12	250	16	<6	13	<6	TM129 [#]	<6 mg/kg
Lead	78	54	30	13	220	26	2	2	8	TM129 [#] _M	<2 mg/kg
Mercury	<0.6	<0.6	1.5	<0.6	0.6	<0.6	<0.6	<0.6	<0.6	TM129 [#] _M	<0.6 mg/kg
Nickel	37	94	71	9.4	36	5.3	4.5	30	11	TM129 [#] _M	<0.9 mg/kg
Selenium	<3	<3	<3	<3	<3	<3	<3	<3	<3	TM129 [#] _M	<3 mg/kg
Vanadium	39	81	99	9.4	30	12	4.1	23	9.3	TM129 [#] _M	<1.5 mg/kg
Zinc	220	540	71	41	100	37	15	47	45	TM129 [#] _M	<2.5 mg/kg
Fraction of Organic Carbon	-	0.27	-	0.011	-	-	0.002	0.002	0.010	TM132 [#]	<0.002 NONE
pH Value	7.53	8.14	8.21	7.54	11.65	8.19	7.83	8.19	8.26	TM133 [#] _M	<1.00 pH Units

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS02 D3	WS03 D1	WS03 D2	WS03 D3	WS04 D1	WS04 D1	WS04 D2	WS04 D4	WS06 D2	Method Code	LoD/Units
	Depth (m)	2.90	0.60	1.50	2.80	0.20	0.80	1.60	2.80		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	05.11.07	31.10.07	05.11.07	05.11.07	02.11.07	02.11.07	02.11.07	06.11.07	31.10.07		
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07		
Batch	7	7	7	7	7	7	7	7	7		
Sample Number(s)	350-354	355-359	360-364	365-369	370-374	375-379	380-384	385-389	390-394		
GRO (C4-C12)	64	80	17	<10	120	<10	<10	<10	130	TM089	<10 ug/kg
MTBE	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 [#]	<10 ug/kg
Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 ^{#M}	<10 ug/kg
Toluene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 ^{#M}	<10 ug/kg
Ethyl benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 ^{#M}	<10 ug/kg
m & p Xylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 ^{#M}	<10 ug/kg
o Xylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 ^{#M}	<10 ug/kg
Aliphatics C5-C6	<10	<10	17	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aliphatics >C6-C8	27	<10	<10	<10	120	<10	<10	<10	20	TM089	<10 ug/kg
Aliphatics >C8-C10	15	32	<10	<10	<10	<10	<10	<10	43	TM089	<10 ug/kg
Aliphatics >C10-C12	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aliphatics >C12-C16	500	7800	2400	<100	3500	<100	<100	<100	<100	TM173 [#]	<100 ug/kg
Aliphatics >C16-C21	2600	19000	4100	<100	9900	<100	<100	<100	<100	TM173 [#]	<100 ug/kg
Aliphatics >C21-C35	5000	54000	6200	540	31000	<100	<100	<100	<100	TM173 [#]	<100 ug/kg
Total Aliphatics C5-C35	8200	80000	13000	540	45000	<100	<100	<100	<100	TM61/89	<100 ug/kg
Aromatics C6-C7	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aromatics >C7-C8	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aromatics >EC8-EC10	22	48	<10	<10	<10	<10	<10	<10	65	TM089	<10 ug/kg
Aromatics >EC10-EC12	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aromatics >EC12-EC16	1100	14000	1600	930	2300	140	<100	<100	<100	TM173 [#]	<100 ug/kg
Aromatics >EC16-EC21	490	39000	680	2700	1300	760	<100	<100	<100	TM173 [#]	<100 ug/kg
Aromatics >EC21-EC35	13000	100000	3900	10000	13000	2500	<100	<100	9100	TM173 [#]	<100 ug/kg
Total Aromatics C6-C35	14000	160000	6200	14000	17000	3400	<100	<100	9100	TM61/89	<100 ug/kg
TPH (Aliphatics and Aromatics C5-C35)	23000	240000	19000	14000	61000	3400	<100	<100	9200	TM61/89	<100 ug/kg

All results expressed on a dry weight basis.

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS02 D3	WS03 D1	WS03 D2	WS03 D3	WS04 D1	WS04 D1	WS04 D2	WS04 D4	WS06 D2	Method Code	LoD/Units
Depth (m)	2.90	0.60	1.50	2.80	0.20	0.80	1.60	2.80	1.80		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	05.11.07	31.10.07	05.11.07	05.11.07	02.11.07	02.11.07	02.11.07	06.11.07	31.10.07		
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07		
Batch	7	7	7	7	7	7	7	7	7		
Sample Number(s)	350-354	355-359	360-364	365-369	370-374	375-379	380-384	385-389	390-394		
PAH by GCMS											
Naphthalene	330	2200	170	150	340	61	<10	22	17	TM074 [#] _M	<10 ug/kg
Acenaphthylene	11	36	9	<5	7	16	<5	<5	<5	TM074 [#] _M	<5 ug/kg
Acenaphthene	66	1700	<14	150	28	60	<14	<14	<14	TM074 [#] _M	<14 ug/kg
Fluorene	42	1400	<12	120	19	130	<12	<12	<12	TM074 [#] _M	<12 ug/kg
Phenanthrene	410	8400	260	740	710	470	<21	27	30	TM074 [#] _M	<21 ug/kg
Anthracene	71	1700	56	150	61	87	<9	<9	<9	TM074 [#] _M	<9 ug/kg
Fluoranthene	400	7200	160	660	500	180	<25	<25	<25	TM074 [#] _M	<25 ug/kg
Pyrene	350	5300	140	500	400	120	<22	<22	<22	TM074 [#] _M	<22 ug/kg
Benz(a)anthracene	210	2700	130	270	190	61	15	18	20	TM074 [#] _M	<12 ug/kg
Chrysene	240	3100	140	260	270	59	<10	<10	11	TM074 [#] _M	<10 ug/kg
Benzo(b)fluoranthene	180	2200	110	230	300	35	<16	<16	<16	TM074 [#] _M	<16 ug/kg
Benzo(k)fluoranthene	97	980	47	130	55	29	<25	<25	<25	TM074 [#] _M	<25 ug/kg
Benzo(a)pyrene	110	1700	60	190	87	30	<12	<12	<12	TM074 [#] _M	<12 ug/kg
Indeno(123cd)pyrene	67	910	34	100	46	24	15	17	<11	TM074 [#] _M	<11 ug/kg
Dibenzo(ah)anthracene	25	450	15	36	21	15	12	11	<8	TM074 [#] _M	<8 ug/kg
Benzo(ghi)perylene	130	1200	53	140	83	34	22	22	<10	TM074 [#] _M	<10 ug/kg
PAH 16 Total	2700	41000	1400	3800	3100	1400	64	120	78	TM074 [#] _M	<25 ug/kg

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS02 D3	WS03 D1	WS03 D2	WS03 D3	WS04 D1	WS04 D1	WS04 D2	WS04 D4	WS06 D2	Method Code	LoD/Units
Depth (m)	2.90	0.60	1.50	2.80	0.20	0.80	1.60	2.80	1.80		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	05.11.07	31.10.07	05.11.07	05.11.07	02.11.07	02.11.07	02.11.07	06.11.07	31.10.07		
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07		
Batch	7	7	7	7	7	7	7	7	7		
Sample Number(s)	350-354	355-359	360-364	365-369	370-374	375-379	380-384	385-389	390-394		
SVOC by GCMS											
Phenols											
2-Chlorophenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2-Methylphenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2-Nitrophenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2,4-Dichlorophenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2,4-Dimethylphenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2,4,5-Trichlorophenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2,4,6-Trichlorophenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Chloro-3-methylphenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Methylphenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Nitrophenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Pentachlorophenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Phenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg

All results expressed on a dry weight basis.

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS02 D3	WS03 D1	WS03 D2	WS03 D3	WS04 D1	WS04 D1	WS04 D2	WS04 D4	WS06 D2	Method Code	LoD/Units
Depth (m)	2.90	0.60	1.50	2.80	0.20	0.80	1.60	2.80	1.80		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	05.11.07	31.10.07	05.11.07	05.11.07	02.11.07	02.11.07	02.11.07	06.11.07	31.10.07		
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07		
Batch	7	7	7	7	7	7	7	7	7		
Sample Number(s)	350-354	355-359	360-364	365-369	370-374	375-379	380-384	385-389	390-394		
PAHs											
2-Chloronaphthalene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2-Methylnaphthalene	<100	860	120	<100	230	<100	<100	<100	<100	TM157	<100 ug/kg
Phthalates											
Bis(2-ethylhexyl) phthalate	320	<100	140	<100	200	160	580	<100	<100	TM157	<100 ug/kg
Butylbenzyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Di-n-butyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Di-n-Octyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Diethyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Dimethyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Other Semi-volatiles											
1,2-Dichlorobenzene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
1,2,4-Trichlorobenzene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
1,3-Dichlorobenzene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
1,4-Dichlorobenzene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2-Nitroaniline	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2,4-Dinitrotoluene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2,6-Dinitrotoluene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
3-Nitroaniline	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Bromophenylphenylether	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Chloroaniline	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Chlorophenylphenylether	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Nitroaniline	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Azobenzene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Bis(2-chloroethoxy)methane	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Bis(2-chloroethyl)ether	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Carbazole	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Dibenzofuran	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Hexachlorobenzene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg

All results expressed on a dry weight basis.

Date 14.11.2007

Validated
 Preliminary

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS02 D3	WS03 D1	WS03 D2	WS03 D3	WS04 D1	WS04 D1	WS04 D2	WS04 D4	WS06 D2	Method Code	LoD/Units
Depth (m)	2.90	0.60	1.50	2.80	0.20	0.80	1.60	2.80	1.80		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	05.11.07	31.10.07	05.11.07	05.11.07	02.11.07	02.11.07	02.11.07	06.11.07	31.10.07		
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07		
Batch	7	7	7	7	7	7	7	7	7		
Sample Number(s)	350-354	355-359	360-364	365-369	370-374	375-379	380-384	385-389	390-394		
Other Semi-volatiles (cont)											
Hexachlorobutadiene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Hexachlorocyclopentadiene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Hexachloroethane	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Isophorone	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
N-nitrosodi-n-propylamine	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Nitrobenzene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg

All results expressed on a dry weight basis.

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS02 D3	WS03 D1	WS03 D2	WS03 D3	WS04 D1	WS04 D1	WS04 D2	WS04 D4	WS06 D2	Method Code	LoD/Units
Depth (m)	2.90	0.60	1.50	2.80	0.20	0.80	1.60	2.80	1.80		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	05.11.07	31.10.07	05.11.07	05.11.07	02.11.07	02.11.07	02.11.07	06.11.07	31.10.07		
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07		
Batch	7	7	7	7	7	7	7	7	7		
Sample Number(s)	350-354	355-359	360-364	365-369	370-374	375-379	380-384	385-389	390-394		
Volatile Organic Compounds											
Dichlorodifluoromethane	<4	<4	<4	<4	<4	<4	<4	<4	<4	TM116 [#]	<4 ug/kg
Chloromethane	<7	<7	<7	<7	<7	<7	<7	<7	<7	TM116 [#]	<7 ug/kg
Vinyl Chloride	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#] _M	<10 ug/kg
Bromomethane	<13	<13	<13	<13	<13	<13	<13	<13	<13	TM116 [#]	<13 ug/kg
Chloroethane	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#]	<14 ug/kg
Trichlorofluoromethane	<6	<6	<6	<6	<6	<6	<6	<6	<6	TM116 [#] _M	<6 ug/kg
trans-1-2-Dichloroethene	<11	<11	<11	<11	<11	<11	<11	<11	<11	TM116 [#]	<11 ug/kg
Dichloromethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
Carbon Disulphide	<7	<7	<7	<7	<7	<7	<7	<7	<7	TM116 [#] _M	<7 ug/kg
1,1-Dichloroethene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#] _M	<10 ug/kg
1,1-Dichloroethane	<8	<8	<8	<8	<8	<8	<8	<8	<8	TM116 [#] _M	<8 ug/kg
Methyl Tertiary Butyl Ether	<11	<11	<11	<11	<11	<11	<11	<11	<11	TM116 [#] _M	<11 ug/kg
cis-1-2-Dichloroethene	<5	<5	<5	<5	<5	<5	<5	<5	<5	TM116 [#] _M	<5 ug/kg
Bromochloromethane	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#]	<14 ug/kg
Chloroform	<8	<8	<8	<8	<8	<8	<8	<8	<8	TM116 [#] _M	<8 ug/kg
2,2-Dichloropropane	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116 [#]	<12 ug/kg
1,2-Dichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	TM116 [#]	<5 ug/kg
1,1,1-Trichloroethane	<7	<7	<7	<7	10	<7	<7	21	<7	TM116 [#] _M	<7 ug/kg
1,1-Dichloropropene	<11	<11	<11	<11	<11	<11	<11	<11	<11	TM116 [#] _M	<11 ug/kg
Benzene	<9	<9	<9	<9	<9	<9	<9	<9	<9	TM116 [#] _M	<9 ug/kg
Carbontetrachloride	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#] _M	<14 ug/kg
Dibromomethane	<9	<9	<9	<9	<9	<9	<9	<9	<9	TM116 [#]	<9 ug/kg
1,2-Dichloropropane	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116 [#] _M	<12 ug/kg
Bromodichloromethane	<7	<7	<7	<7	<7	<7	<7	<7	<7	TM116 [#] _M	<7 ug/kg
Trichloroethene	73	48	33	<9	440	13	<9	24	<9	TM116 [#] _M	<9 ug/kg
cis-1-3-Dichloropropene	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#] _M	<14 ug/kg
trans-1-3-Dichloropropene	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#] _M	<14 ug/kg
1,1,2-Trichloroethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
Toluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	TM116 [#] _M	<5 ug/kg
1,3-Dichloropropane	<7	<7	<7	<7	<7	<7	<7	<7	<7	TM116 [#]	<7 ug/kg

All results expressed on a dry weight basis.

Date 14.11.2007

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ALcontrol Geochem Analytical Services

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* Subcontracted test
» Shown on prev. report

Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS02 D3	WS03 D1	WS03 D2	WS03 D3	WS04 D1	WS04 D1	WS04 D2	WS04 D4	WS06 D2	Method Code	LoD/Units
Depth (m)	2.90	0.60	1.50	2.80	0.20	0.80	1.60	2.80	1.80		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	05.11.07	31.10.07	05.11.07	05.11.07	02.11.07	02.11.07	02.11.07	06.11.07	31.10.07		
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07		
Batch	7	7	7	7	7	7	7	7	7		
Sample Number(s)	350-354	355-359	360-364	365-369	370-374	375-379	380-384	385-389	390-394		
Volatile Organic Compounds (cont)											
Dibromochloromethane	<13	<13	<13	<13	<13	<13	<13	<13	<13	TM116 [#]	<13 ug/kg
1,2-Dibromoethane	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116 [#]	<12 ug/kg
Tetrachloroethene	130	190	190	10	64	<5	<5	<5	<5	TM116 [#]	<5 ug/kg
1,1,1,2-Tetrachloroethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 ^{#M}	<10 ug/kg
Chlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	TM116 ^{#M}	<5 ug/kg
Ethylbenzene	<4	<4	<4	<4	<4	<4	<4	<4	<4	TM116 [#]	<4 ug/kg
p/m-Xylene	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#]	<14 ug/kg
Bromoform	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
Styrene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
1,1,2,2-Tetrachloroethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
o-Xylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
1,2,3-Trichloropropane	<17	<17	<17	<17	<17	<17	<17	<17	<17	TM116 [#]	<17 ug/kg
Isopropylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	TM116 [#]	<5 ug/kg
Bromobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 ^{#M}	<10 ug/kg
2-Chlorotoluene	<9	<9	<9	<9	<9	<9	<9	<9	<9	TM116 [#]	<9 ug/kg
Propylbenzene	<11	<11	<11	<11	<11	<11	<11	<11	<11	TM116 [#]	<11 ug/kg
4-Chlorotoluene	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116 [#]	<12 ug/kg
1,2,4-Trimethylbenzene	<9	<9	<9	<9	<9	<9	<9	<9	<9	TM116 [#]	<9 ug/kg
4-Isopropyltoluene	<11	<11	<11	<11	<11	<11	<11	<11	<11	TM116 [#]	<11 ug/kg
1,3,5-Trimethylbenzene	<8	<8	<8	<8	<8	<8	<8	<8	<8	TM116 [#]	<8 ug/kg
1,2-Dichlorobenzene	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116 ^{#M}	<12 ug/kg
1,4-Dichlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	TM116 ^{#M}	<5 ug/kg
sec-Butylbenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
tert-Butylbenzene	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116 [#]	<12 ug/kg
1,3-Dichlorobenzene	<6	<6	<6	<6	<6	<6	<6	<6	<6	TM116 [#]	<6 ug/kg
n-Butylbenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
1,2-Dibromo-3-chloropropane	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#]	<14 ug/kg
1,2,4-Trichlorobenzene	<6	<6	<6	<6	<6	<6	<6	<6	<6	TM116 [#]	<6 ug/kg
Naphthalene	<13	<13	<13	<13	<13	59	<13	<13	<13	TM116 [#]	<13 ug/kg
1,2,3-Trichlorobenzene	<11	<11	<11	<11	<11	<11	<11	<11	<11	TM116 [#]	<11 ug/kg

All results expressed on a dry weight basis.

Date 14.11.2007

Validated

Preliminary

ALcontrol Geochem Analytical Services

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* Subcontracted test
» Shown on prev. report

Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS02 D3	WS03 D1	WS03 D2	WS03 D3	WS04 D1	WS04 D1	WS04 D2	WS04 D4	WS06 D2	Method Code	LoD/Units
Depth (m)	2.90	0.60	1.50	2.80	0.20	0.80	1.60	2.80	1.80		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	05.11.07	31.10.07	05.11.07	05.11.07	02.11.07	02.11.07	02.11.07	06.11.07	31.10.07		
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07		
Batch	7	7	7	7	7	7	7	7	7		
Sample Number(s)	350-354	355-359	360-364	365-369	370-374	375-379	380-384	385-389	390-394		
Volatile Organic Compounds (cont)											
Hexachlorobutadiene	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116 [#]	<12 ug/kg

All results expressed on a dry weight basis.

Date 14.11.2007

Validated
Preliminary

ALcontrol Geochem Analytical Services
Table Of Results

ISO 17025 accredited
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* Subcontracted test
» Shown on prev. report

Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS06 D3	WS07 D1	WS07 D2	WS07 D3	WS07 D4	WS08 D1	WS08 D2	WS08 D3	WS09 D3	Method Code	LoD/Units
Depth (m)	2.20	0.70	0.90	1.90	2.80	0.60	1.90	2.30	1.30		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	31.10.07	06.11.07	06.11.07	06.11.07	06.11.07	31.10.07	05.11.07	05.11.07	02.11.07		
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07		
Batch	7	7	7	7	7	7	7	7	7		
Sample Number(s)	395-399	400-404	405-409	410-414	415-419	420-424	425-429	430-434	435-439		
Boron Water Soluble	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	TM129 [#] _M	<3.5 mg/kg
Arsenic	<3	4	120	23	4	25	12	<3	<3	TM129 [#] _M	<3.0 mg/kg
Barium	<6	40	240	190	99	190	69	<6	61	TM129 [#] _M	<6.0 mg/kg
Beryllium	<0.4	<0.4	2.1	1.2	<0.4	1.1	<0.4	<0.4	<0.4	TM129	<0.4 mg/kg
Cadmium	<0.3	<0.3	1.1	0.5	<0.3	1.3	0.4	<0.3	<0.3	TM129	<0.3 mg/kg
Chromium	<4.5	13	15	15	9.5	15	17	4.8	39	TM129 [#] _M	<4.5 mg/kg
Copper	<6	63	140	100	23	53	37	<6	40	TM129 [#]	<6 mg/kg
Lead	5	41	100	140	91	48	50	6	14	TM129 [#] _M	<2 mg/kg
Mercury	<0.6	<0.6	4.0	1.0	0.6	0.9	<0.6	<0.6	<0.6	TM129 [#] _M	<0.6 mg/kg
Nickel	2.3	14	43	39	7.7	33	18	2.4	50	TM129 [#] _M	<0.9 mg/kg
Selenium	<3	<3	<3	<3	<3	<3	<3	<3	<3	TM129 [#] _M	<3 mg/kg
Vanadium	2.6	19	39	39	15	34	20	9.9	39	TM129 [#] _M	<1.5 mg/kg
Zinc	5.1	60	180	170	63	120	56	8.5	82	TM129 [#] _M	<2.5 mg/kg
Fraction of Organic Carbon	0.002	0.013	-	0.13	-	0.059	-	0.004	0.003	TM132 [#]	<0.002 NONE
pH Value	6.75	6.79	7.61	6.92	6.85	8.21	7.71	7.51	7.54	TM133 [#] _M	<1.00 pH Units

All results expressed on a dry weight basis.

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ALcontrol Geochem Analytical Services

Table Of Results

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M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS06 D3	WS07 D1	WS07 D2	WS07 D3	WS07 D4	WS08 D1	WS08 D2	WS08 D3	WS09 D3	Method Code	LoD/Units
Depth (m)	2.20	0.70	0.90	1.90	2.80	0.60	1.90	2.30	1.30		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	31.10.07	06.11.07	06.11.07	06.11.07	06.11.07	31.10.07	05.11.07	05.11.07	02.11.07		
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07		
Batch	7	7	7	7	7	7	7	7	7		
Sample Number(s)	395-399	400-404	405-409	410-414	415-419	420-424	425-429	430-434	435-439		
GRO (C4-C12)	<10	220	690	66	<10	40	<10	<10	<10	TM089	<10 ug/kg
MTBE	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 [#]	<10 ug/kg
Benzene	<10	<10	<10	53	<10	<10	<10	<10	<10	TM089 [#] _M	<10 ug/kg
Toluene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 [#] _M	<10 ug/kg
Ethyl benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 [#] _M	<10 ug/kg
m & p Xylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 [#] _M	<10 ug/kg
o Xylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 [#] _M	<10 ug/kg
Aliphatics C5-C6	<10	67	<10	<10	<10	22	<10	<10	<10	TM089	<10 ug/kg
Aliphatics >C6-C8	<10	150	690	13	<10	18	<10	<10	<10	TM089	<10 ug/kg
Aliphatics >C8-C10	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aliphatics >C10-C12	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aliphatics >C12-C16	<100	630	4900	16000	520	17000	<100	<100	<100	TM173 [#]	<100 ug/kg
Aliphatics >C16-C21	<100	3000	36000	18000	2400	16000	550	<100	<100	TM173 [#]	<100 ug/kg
Aliphatics >C21-C35	<100	6400	84000	27000	23000	29000	4200	<100	<100	TM173 [#]	<100 ug/kg
Total Aliphatics C5-C35	<100	10000	130000	61000	26000	63000	4800	<100	<100	TM61/89	<100 ug/kg
Aromatics C6-C7	<10	<10	<10	53	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aromatics >C7-C8	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aromatics >EC8-EC10	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aromatics >EC10-EC12	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aromatics >EC12-EC16	<100	<100	20000	13000	1100	16000	720	<100	<100	TM173 [#]	<100 ug/kg
Aromatics >EC16-EC21	<100	200	100000	16000	600	22000	1200	<100	<100	TM173 [#]	<100 ug/kg
Aromatics >EC21-EC35	<100	11000	370000	33000	21000	46000	11000	1700	<100	TM173 [#]	<100 ug/kg
Total Aromatics C6-C35	<100	11000	490000	62000	23000	83000	13000	1700	<100	TM61/89	<100 ug/kg
TPH (Aliphatics and Aromatics C5-C35)	<100	22000	620000	120000	49000	150000	17000	1700	<100	TM61/89	<100 ug/kg

All results expressed on a dry weight basis.

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS06 D3	WS07 D1	WS07 D2	WS07 D3	WS07 D4	WS08 D1	WS08 D2	WS08 D3	WS09 D3	Method Code	LoD/Units
Depth (m)	2.20	0.70	0.90	1.90	2.80	0.60	1.90	2.30	1.30		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	31.10.07	06.11.07	06.11.07	06.11.07	06.11.07	31.10.07	05.11.07	05.11.07	02.11.07		
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07		
Batch	7	7	7	7	7	7	7	7	7		
Sample Number(s)	395-399	400-404	405-409	410-414	415-419	420-424	425-429	430-434	435-439		
PAH by GCMS											
Naphthalene	12	56	580	1200	150	2200	77	19	11	TM074 [#] _M	<10 ug/kg
Acenaphthylene	<5	<5	860	140	11	47	5	<5	<5	TM074 [#] _M	<5 ug/kg
Acenaphthene	28	16	310	58	<14	33	46	16	<14	TM074 [#] _M	<14 ug/kg
Fluorene	<12	14	1300	100	<12	53	26	<12	<12	TM074 [#] _M	<12 ug/kg
Phenanthrene	<21	120	5800	1600	180	1500	260	66	<21	TM074 [#] _M	<21 ug/kg
Anthracene	15	30	2900	240	26	250	40	10	<9	TM074 [#] _M	<9 ug/kg
Fluoranthene	<25	110	3000	780	160	1100	230	52	<25	TM074 [#] _M	<25 ug/kg
Pyrene	<22	99	2400	730	130	900	230	48	<22	TM074 [#] _M	<22 ug/kg
Benz(a)anthracene	23	69	2300	540	87	550	120	44	18	TM074 [#] _M	<12 ug/kg
Chrysene	<10	91	2000	670	93	720	160	37	<10	TM074 [#] _M	<10 ug/kg
Benzo(b)fluoranthene	<16	110	2100	540	72	670	110	41	16	TM074 [#] _M	<16 ug/kg
Benzo(k)fluoranthene	<25	28	460	250	69	270	82	<25	<25	TM074 [#] _M	<25 ug/kg
Benzo(a)pyrene	<12	43	880	300	67	280	110	22	<12	TM074 [#] _M	<12 ug/kg
Indeno(123cd)pyrene	<11	27	380	170	41	160	57	11	<11	TM074 [#] _M	<11 ug/kg
Dibenzo(ah)anthracene	<8	10	260	65	14	70	22	<8	<8	TM074 [#] _M	<8 ug/kg
Benzo(ghi)perylene	<10	34	450	360	62	230	80	14	<10	TM074 [#] _M	<10 ug/kg
PAH 16 Total	78	860	26000	7700	1200	9000	1700	380	45	TM074 [#] _M	<25 ug/kg

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS06 D3	WS07 D1	WS07 D2	WS07 D3	WS07 D4	WS08 D1	WS08 D2	WS08 D3	WS09 D3	Method Code	LoD/Units
Depth (m)	2.20	0.70	0.90	1.90	2.80	0.60	1.90	2.30	1.30		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	31.10.07	06.11.07	06.11.07	06.11.07	06.11.07	31.10.07	05.11.07	05.11.07	02.11.07		
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07		
Batch	7	7	7	7	7	7	7	7	7		
Sample Number(s)	395-399	400-404	405-409	410-414	415-419	420-424	425-429	430-434	435-439		
SVOC by GCMS											
Phenols											
2-Chlorophenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2-Methylphenol	<100	<100	430	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2-Nitrophenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2,4-Dichlorophenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2,4-Dimethylphenol	<100	<100	1400	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2,4,5-Trichlorophenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2,4,6-Trichlorophenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Chloro-3-methylphenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Methylphenol	<100	<100	1800	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Nitrophenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Pentachlorophenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Phenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg

All results expressed on a dry weight basis. Date 14.11.2007

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS06 D3	WS07 D1	WS07 D2	WS07 D3	WS07 D4	WS08 D1	WS08 D2	WS08 D3	WS09 D3	Method Code	LoD/Units
Depth (m)	2.20	0.70	0.90	1.90	2.80	0.60	1.90	2.30	1.30		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	31.10.07	06.11.07	06.11.07	06.11.07	06.11.07	31.10.07	05.11.07	05.11.07	02.11.07		
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07		
Batch	7	7	7	7	7	7	7	7	7		
Sample Number(s)	395-399	400-404	405-409	410-414	415-419	420-424	425-429	430-434	435-439		
PAHs											
2-Chloronaphthalene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2-Methylnaphthalene	<100	<100	1900	<100	<100	1200	<100	<100	<100	TM157	<100 ug/kg
Phthalates											
Bis(2-ethylhexyl) phthalate	200	220	1800	<100	170	<100	190	<100	140	TM157	<100 ug/kg
Butylbenzyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Di-n-butyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Di-n-Octyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Diethyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Dimethyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Other Semi-volatiles											
1,2-Dichlorobenzene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
1,2,4-Trichlorobenzene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
1,3-Dichlorobenzene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
1,4-Dichlorobenzene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2-Nitroaniline	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2,4-Dinitrotoluene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2,6-Dinitrotoluene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
3-Nitroaniline	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Bromophenylphenylether	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Chloroaniline	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Chlorophenylphenylether	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Nitroaniline	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Azobenzene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Bis(2-chloroethoxy)methane	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Bis(2-chloroethyl)ether	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Carbazole	<100	<100	3900	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Dibenzofuran	<100	<100	2400	<100	<100	330	<100	<100	<100	TM157	<100 ug/kg
Hexachlorobenzene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg

All results expressed on a dry weight basis.

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS06 D3	WS07 D1	WS07 D2	WS07 D3	WS07 D4	WS08 D1	WS08 D2	WS08 D3	WS09 D3	Method Code	LoD/Units
Depth (m)	2.20	0.70	0.90	1.90	2.80	0.60	1.90	2.30	1.30		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	31.10.07	06.11.07	06.11.07	06.11.07	06.11.07	31.10.07	05.11.07	05.11.07	02.11.07		
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07		
Batch	7	7	7	7	7	7	7	7	7		
Sample Number(s)	395-399	400-404	405-409	410-414	415-419	420-424	425-429	430-434	435-439		
Other Semi-volatiles (cont)											
Hexachlorobutadiene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Hexachlorocyclopentadiene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Hexachloroethane	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Isophorone	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
N-nitrosodi-n-propylamine	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Nitrobenzene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS06 D3	WS07 D1	WS07 D2	WS07 D3	WS07 D4	WS08 D1	WS08 D2	WS08 D3	WS09 D3	Method Code	LoD/Units
Depth (m)	2.20	0.70	0.90	1.90	2.80	0.60	1.90	2.30	1.30		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	31.10.07	06.11.07	06.11.07	06.11.07	06.11.07	31.10.07	05.11.07	05.11.07	02.11.07		
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07		
Batch	7	7	7	7	7	7	7	7	7		
Sample Number(s)	395-399	400-404	405-409	410-414	415-419	420-424	425-429	430-434	435-439		
Volatile Organic Compounds											
Dichlorodifluoromethane	<4	<4	<4	<4	<4	<4	<4	<4	<4	TM116 [#]	<4 ug/kg
Chloromethane	<7	<7	<7	<7	<7	<7	<7	<7	<7	TM116 [#]	<7 ug/kg
Vinyl Chloride	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#] _M	<10 ug/kg
Bromomethane	<13	<13	<13	<13	<13	<13	<13	<13	<13	TM116 [#]	<13 ug/kg
Chloroethane	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#]	<14 ug/kg
Trichlorofluoromethane	<6	<6	<6	<6	<6	<6	<6	<6	<6	TM116 [#] _M	<6 ug/kg
trans-1-2-Dichloroethene	<11	13	<11	<11	<11	<11	<11	<11	<11	TM116 [#]	<11 ug/kg
Dichloromethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
Carbon Disulphide	<7	<7	<7	<7	<7	<7	<7	<7	<7	TM116 [#] _M	<7 ug/kg
1,1-Dichloroethene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#] _M	<10 ug/kg
1,1-Dichloroethane	<8	<8	<8	50	<8	<8	<8	<8	<8	TM116 [#] _M	<8 ug/kg
Methyl Tertiary Butyl Ether	<11	<11	<11	<11	<11	<11	<11	<11	<11	TM116 [#] _M	<11 ug/kg
cis-1-2-Dichloroethene	<5	160	100	28	<5	<5	<5	<5	<5	TM116 [#] _M	<5 ug/kg
Bromochloromethane	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#]	<14 ug/kg
Chloroform	<8	<8	<8	<8	<8	<8	<8	<8	<8	TM116 [#] _M	<8 ug/kg
2,2-Dichloropropane	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116 [#]	<12 ug/kg
1,2-Dichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	TM116 [#]	<5 ug/kg
1,1,1-Trichloroethane	<7	<7	110	<7	<7	17	10	<7	<7	TM116 [#] _M	<7 ug/kg
1,1-Dichloropropene	<11	<11	<11	<11	<11	<11	<11	<11	<11	TM116 [#] _M	<11 ug/kg
Benzene	<9	<9	<9	68	<9	<9	<9	<9	<9	TM116 [#] _M	<9 ug/kg
Carbontetrachloride	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#] _M	<14 ug/kg
Dibromomethane	<9	<9	<9	<9	<9	<9	<9	<9	<9	TM116 [#]	<9 ug/kg
1,2-Dichloropropane	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116 [#] _M	<12 ug/kg
Bromodichloromethane	<7	<7	<7	<7	<7	<7	<7	<7	<7	TM116 [#] _M	<7 ug/kg
Trichloroethene	<9	340	15000	150	<9	39	22	<9	<9	TM116 [#] _M	<9 ug/kg
cis-1-3-Dichloropropene	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#] _M	<14 ug/kg
trans-1-3-Dichloropropene	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#] _M	<14 ug/kg
1,1,2-Trichloroethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
Toluene	<5	<5	<5	<5	<5	8	<5	<5	<5	TM116 [#] _M	<5 ug/kg
1,3-Dichloropropane	<7	<7	<7	<7	<7	<7	<7	<7	<7	TM116 [#]	<7 ug/kg

All results expressed on a dry weight basis.

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS06 D3	WS07 D1	WS07 D2	WS07 D3	WS07 D4	WS08 D1	WS08 D2	WS08 D3	WS09 D3	Method Code	LoD/Units
Depth (m)	2.20	0.70	0.90	1.90	2.80	0.60	1.90	2.30	1.30		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	31.10.07	06.11.07	06.11.07	06.11.07	06.11.07	31.10.07	05.11.07	05.11.07	02.11.07		
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07		
Batch	7	7	7	7	7	7	7	7	7		
Sample Number(s)	395-399	400-404	405-409	410-414	415-419	420-424	425-429	430-434	435-439		
Volatile Organic Compounds (cont)											
Dibromochloromethane	<13	<13	<13	<13	<13	<13	<13	<13	<13	TM116 [#]	<13 ug/kg
1,2-Dibromoethane	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116 [#]	<12 ug/kg
Tetrachloroethene	<5	<5	62	<5	<5	37	51	<5	<5	TM116 [#]	<5 ug/kg
1,1,1,2-Tetrachloroethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 ^{#M}	<10 ug/kg
Chlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	TM116 ^{#M}	<5 ug/kg
Ethylbenzene	<4	<4	<4	<4	<4	<4	<4	<4	<4	TM116 [#]	<4 ug/kg
p/m-Xylene	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#]	<14 ug/kg
Bromoform	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
Styrene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
1,1,2,2-Tetrachloroethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
o-Xylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
1,2,3-Trichloropropane	<17	<17	<17	<17	<17	<17	<17	<17	<17	TM116 [#]	<17 ug/kg
Isopropylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	TM116 [#]	<5 ug/kg
Bromobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 ^{#M}	<10 ug/kg
2-Chlorotoluene	<9	<9	<9	<9	<9	<9	<9	<9	<9	TM116 [#]	<9 ug/kg
Propylbenzene	<11	<11	<11	<11	<11	<11	<11	<11	<11	TM116 [#]	<11 ug/kg
4-Chlorotoluene	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116 [#]	<12 ug/kg
1,2,4-Trimethylbenzene	<9	<9	<9	<9	<9	<9	<9	<9	<9	TM116 [#]	<9 ug/kg
4-Isopropyltoluene	<11	<11	<11	<11	<11	<11	<11	<11	<11	TM116 [#]	<11 ug/kg
1,3,5-Trimethylbenzene	<8	<8	<8	<8	<8	<8	<8	<8	<8	TM116 [#]	<8 ug/kg
1,2-Dichlorobenzene	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116 ^{#M}	<12 ug/kg
1,4-Dichlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	TM116 ^{#M}	<5 ug/kg
sec-Butylbenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
tert-Butylbenzene	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116 [#]	<12 ug/kg
1,3-Dichlorobenzene	<6	<6	<6	<6	<6	<6	<6	<6	<6	TM116 [#]	<6 ug/kg
n-Butylbenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
1,2-Dibromo-3-chloropropane	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#]	<14 ug/kg
1,2,4-Trichlorobenzene	<6	<6	<6	<6	<6	<6	<6	<6	<6	TM116 [#]	<6 ug/kg
Naphthalene	<13	<13	<13	<13	<13	<13	<13	<13	<13	TM116 [#]	<13 ug/kg
1,2,3-Trichlorobenzene	<11	<11	<11	<11	<11	<11	<11	<11	<11	TM116 [#]	<11 ug/kg

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS06 D3	WS07 D1	WS07 D2	WS07 D3	WS07 D4	WS08 D1	WS08 D2	WS08 D3	WS09 D3	Method Code	LoD/Units		
Depth (m)	2.20	0.70	0.90	1.90	2.80	0.60	1.90	2.30	1.30				
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID				
Sampled Date	31.10.07	06.11.07	06.11.07	06.11.07	06.11.07	31.10.07	05.11.07	05.11.07	02.11.07				
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07	07.11.07				
Batch	7	7	7	7	7	7	7	7	7				
Sample Number(s)	395-399	400-404	405-409	410-414	415-419	420-424	425-429	430-434	435-439				
Volatile Organic Compounds (cont)													
Hexachlorobutadiene	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116#	<12 ug/kg		

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS09 D4	WS09 D5							Method Code	LoD/Units
	Depth (m)	Sample Type								
Boron Water Soluble	<3.5	<3.5							TM129 [#] _M	<3.5 mg/kg
Arsenic	<3	4							TM129 [#] _M	<3.0 mg/kg
Barium	74	66							TM129 [#] _M	<6.0 mg/kg
Beryllium	<0.4	<0.4							TM129	<0.4 mg/kg
Cadmium	<0.3	<0.3							TM129	<0.3 mg/kg
Chromium	29	25							TM129 [#] _M	<4.5 mg/kg
Copper	16	15							TM129 [#]	<6 mg/kg
Lead	7	7							TM129 [#] _M	<2 mg/kg
Mercury	<0.6	<0.6							TM129 [#] _M	<0.6 mg/kg
Nickel	36	27							TM129 [#] _M	<0.9 mg/kg
Selenium	<3	<3							TM129 [#] _M	<3 mg/kg
Vanadium	31	28							TM129 [#] _M	<1.5 mg/kg
Zinc	48	40							TM129 [#] _M	<2.5 mg/kg
Fraction of Organic Carbon	0.002	0.002							TM132 [#]	<0.002 NONE
pH Value	8.52	8.45							TM133 [#] _M	<1.00 pH Units

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Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS09 D4	WS09 D5									Method Code	LoD/Units
Depth (m)	2.70	4.10										
Sample Type	SOLID	SOLID										
Sampled Date	02.11.07	02.11.07										
Sample Received Date	07.11.07	07.11.07										
Batch	7	7										
Sample Number(s)	440-444	445-449										
GRO (C4-C12)	<10	<10									TM089	<10 ug/kg
MTBE	<10	<10									TM089 [#]	<10 ug/kg
Benzene	<10	<10									TM089 [#] _M	<10 ug/kg
Toluene	<10	<10									TM089 [#] _M	<10 ug/kg
Ethyl benzene	<10	<10									TM089 [#] _M	<10 ug/kg
m & p Xylene	<10	<10									TM089 [#] _M	<10 ug/kg
o Xylene	<10	<10									TM089 [#] _M	<10 ug/kg
Aliphatics C5-C6	<10	<10									TM089	<10 ug/kg
Aliphatics >C6-C8	<10	<10									TM089	<10 ug/kg
Aliphatics >C8-C10	<10	<10									TM089	<10 ug/kg
Aliphatics >C10-C12	<10	<10									TM089	<10 ug/kg
Aliphatics >C12-C16	<100	<100									TM173 [#]	<100 ug/kg
Aliphatics >C16-C21	<100	<100									TM173 [#]	<100 ug/kg
Aliphatics >C21-C35	24000	<100									TM173 [#]	<100 ug/kg
Total Aliphatics C5-C35	24000	<100									TM61/89	<100 ug/kg
Aromatics C6-C7	<10	<10									TM089	<10 ug/kg
Aromatics >C7-C8	<10	<10									TM089	<10 ug/kg
Aromatics >EC8-EC10	<10	<10									TM089	<10 ug/kg
Aromatics >EC10-EC12	<10	<10									TM089	<10 ug/kg
Aromatics >EC12-EC16	<100	<100									TM173 [#]	<100 ug/kg
Aromatics >EC16-EC21	<100	<100									TM173 [#]	<100 ug/kg
Aromatics >EC21-EC35	<100	<100									TM173 [#]	<100 ug/kg
Total Aromatics C6-C35	<100	<100									TM61/89	<100 ug/kg
TPH (Aliphatics and Aromatics C5-C35)	24000	<100									TM61/89	<100 ug/kg

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS09 D4	WS09 D5								Method Code	LoD/Units
Depth (m)	2.70	4.10									
Sample Type	SOLID	SOLID									
Sampled Date	02.11.07	02.11.07									
Sample Received Date	07.11.07	07.11.07									
Batch	7	7									
Sample Number(s)	440-444	445-449									
PAH by GCMS											
Naphthalene	17	41								TM074 [#] _M	<10 ug/kg
Acenaphthylene	<5	<5								TM074 [#] _M	<5 ug/kg
Acenaphthene	<14	<14								TM074 [#] _M	<14 ug/kg
Fluorene	<12	17								TM074 [#] _M	<12 ug/kg
Phenanthrene	24	43								TM074 [#] _M	<21 ug/kg
Anthracene	<9	<9								TM074 [#] _M	<9 ug/kg
Fluoranthene	<25	<25								TM074 [#] _M	<25 ug/kg
Pyrene	<22	<22								TM074 [#] _M	<22 ug/kg
Benz(a)anthracene	27	23								TM074 [#] _M	<12 ug/kg
Chrysene	31	13								TM074 [#] _M	<10 ug/kg
Benzo(b)fluoranthene	36	<16								TM074 [#] _M	<16 ug/kg
Benzo(k)fluoranthene	<25	<25								TM074 [#] _M	<25 ug/kg
Benzo(a)pyrene	13	<12								TM074 [#] _M	<12 ug/kg
Indeno(123cd)pyrene	<11	<11								TM074 [#] _M	<11 ug/kg
Dibenzo(ah)anthracene	<8	<8								TM074 [#] _M	<8 ug/kg
Benzo(ghi)perylene	17	10								TM074 [#] _M	<10 ug/kg
PAH 16 Total	170	150								TM074 [#] _M	<25 ug/kg

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS09 D4	WS09 D5									
Depth (m)	2.70	4.10									
Sample Type	SOLID	SOLID									
Sampled Date	02.11.07	02.11.07									
Sample Received Date	07.11.07	07.11.07									
Batch	7	7									
Sample Number(s)	440-444	445-449									
<i>SVOC by GCMS</i>											
Phenols											
2-Chlorophenol	<100	<100							TM157	<100 ug/kg	
2-Methylphenol	<100	<100							TM157	<100 ug/kg	
2-Nitrophenol	<100	<100							TM157	<100 ug/kg	
2,4-Dichlorophenol	<100	<100							TM157	<100 ug/kg	
2,4-Dimethylphenol	<100	<100							TM157	<100 ug/kg	
2,4,5-Trichlorophenol	<100	<100							TM157	<100 ug/kg	
2,4,6-Trichlorophenol	<100	<100							TM157	<100 ug/kg	
4-Chloro-3-methylphenol	<100	<100							TM157	<100 ug/kg	
4-Methylphenol	<100	<100							TM157	<100 ug/kg	
4-Nitrophenol	<100	<100							TM157	<100 ug/kg	
Pentachlorophenol	<100	<100							TM157	<100 ug/kg	
Phenol	<100	<100							TM157	<100 ug/kg	

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS09 D4	WS09 D5									Method Code	LoD/Units
Depth (m)	2.70	4.10										
Sample Type	SOLID	SOLID										
Sampled Date	02.11.07	02.11.07										
Sample Received Date	07.11.07	07.11.07										
Batch	7	7										
Sample Number(s)	440-444	445-449										
PAHs												
2-Chloronaphthalene	<100	<100									TM157	<100 ug/kg
2-Methylnaphthalene	<100	<100									TM157	<100 ug/kg
Phthalates												
Bis(2-ethylhexyl) phthalate	2500	1100									TM157	<100 ug/kg
Butylbenzyl phthalate	<100	<100									TM157	<100 ug/kg
Di-n-butyl phthalate	<100	<100									TM157	<100 ug/kg
Di-n-Octyl phthalate	<100	<100									TM157	<100 ug/kg
Diethyl phthalate	<100	<100									TM157	<100 ug/kg
Dimethyl phthalate	<100	<100									TM157	<100 ug/kg
Other Semi-volatiles												
1,2-Dichlorobenzene	<100	<100									TM157	<100 ug/kg
1,2,4-Trichlorobenzene	<100	<100									TM157	<100 ug/kg
1,3-Dichlorobenzene	<100	<100									TM157	<100 ug/kg
1,4-Dichlorobenzene	<100	<100									TM157	<100 ug/kg
2-Nitroaniline	<100	<100									TM157	<100 ug/kg
2,4-Dinitrotoluene	<100	<100									TM157	<100 ug/kg
2,6-Dinitrotoluene	<100	<100									TM157	<100 ug/kg
3-Nitroaniline	<100	<100									TM157	<100 ug/kg
4-Bromophenylphenylether	<100	<100									TM157	<100 ug/kg
4-Chloroaniline	<100	<100									TM157	<100 ug/kg
4-Chlorophenylphenylether	<100	<100									TM157	<100 ug/kg
4-Nitroaniline	<100	<100									TM157	<100 ug/kg
Azobenzene	<100	<100									TM157	<100 ug/kg
Bis(2-chloroethoxy)methane	<100	<100									TM157	<100 ug/kg
Bis(2-chloroethyl)ether	<100	<100									TM157	<100 ug/kg
Carbazole	<100	<100									TM157	<100 ug/kg
Dibenzofuran	<100	<100									TM157	<100 ug/kg
Hexachlorobenzene	<100	<100									TM157	<100 ug/kg

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS09 D4	WS09 D5										Method Code	LoD/Units
Depth (m)	2.70	4.10											
Sample Type	SOLID	SOLID											
Sampled Date	02.11.07	02.11.07											
Sample Received Date	07.11.07	07.11.07											
Batch	7	7											
Sample Number(s)	440-444	445-449											
Other Semi-volatiles (cont)													
Hexachlorobutadiene	<100	<100										TM157	<100 ug/kg
Hexachlorocyclopentadiene	<100	<100										TM157	<100 ug/kg
Hexachloroethane	<100	<100										TM157	<100 ug/kg
Isophorone	<100	<100										TM157	<100 ug/kg
N-nitrosodi-n-propylamine	<100	<100										TM157	<100 ug/kg
Nitrobenzene	<100	<100										TM157	<100 ug/kg

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS09 D4	WS09 D5									Method Code	LoD/Units
Depth (m)	2.70	4.10										
Sample Type	SOLID	SOLID										
Sampled Date	02.11.07	02.11.07										
Sample Received Date	07.11.07	07.11.07										
Batch	7	7										
Sample Number(s)	440-444	445-449										
Volatile Organic Compounds												
Dichlorodifluoromethane	<4	<4									TM116 [#]	<4 ug/kg
Chloromethane	<7	<7									TM116 [#]	<7 ug/kg
Vinyl Chloride	<10	<10									TM116 [#] _M	<10 ug/kg
Bromomethane	<13	<13									TM116 [#]	<13 ug/kg
Chloroethane	<14	<14									TM116 [#]	<14 ug/kg
Trichlorofluoromethane	<6	<6									TM116 [#] _M	<6 ug/kg
trans-1-2-Dichloroethene	<11	<11									TM116 [#]	<11 ug/kg
Dichloromethane	<10	<10									TM116 [#]	<10 ug/kg
Carbon Disulphide	<7	<7									TM116 [#] _M	<7 ug/kg
1,1-Dichloroethene	<10	<10									TM116 [#] _M	<10 ug/kg
1,1-Dichloroethane	<8	<8									TM116 [#] _M	<8 ug/kg
Methyl Tertiary Butyl Ether	<11	<11									TM116 [#] _M	<11 ug/kg
cis-1-2-Dichloroethene	<5	<5									TM116 [#] _M	<5 ug/kg
Bromochloromethane	<14	<14									TM116 [#]	<14 ug/kg
Chloroform	<8	<8									TM116 [#] _M	<8 ug/kg
2,2-Dichloropropane	<12	<12									TM116 [#]	<12 ug/kg
1,2-Dichloroethane	<5	<5									TM116 [#]	<5 ug/kg
1,1,1-Trichloroethane	<7	<7									TM116 [#] _M	<7 ug/kg
1,1-Dichloropropene	<11	<11									TM116 [#] _M	<11 ug/kg
Benzene	<9	<9									TM116 [#] _M	<9 ug/kg
Carbontetrachloride	<14	<14									TM116 [#] _M	<14 ug/kg
Dibromomethane	<9	<9									TM116 [#]	<9 ug/kg
1,2-Dichloropropane	<12	<12									TM116 [#] _M	<12 ug/kg
Bromodichloromethane	<7	<7									TM116 [#] _M	<7 ug/kg
Trichloroethene	<9	<9									TM116 [#] _M	<9 ug/kg
cis-1-3-Dichloropropene	<14	<14									TM116 [#] _M	<14 ug/kg
trans-1-3-Dichloropropene	<14	<14									TM116 [#] _M	<14 ug/kg
1,1,2-Trichloroethane	<10	<10									TM116 [#]	<10 ug/kg
Toluene	<5	<5									TM116 [#] _M	<5 ug/kg
1,3-Dichloropropane	<7	<7									TM116 [#]	<7 ug/kg

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS09 D4	WS09 D5									Method Code	LoD/Units
Depth (m)	2.70	4.10										
Sample Type	SOLID	SOLID										
Sampled Date	02.11.07	02.11.07										
Sample Received Date	07.11.07	07.11.07										
Batch	7	7										
Sample Number(s)	440-444	445-449										
Volatile Organic Compounds (cont)												
Dibromochloromethane	<13	<13									TM116 [#]	<13 ug/kg
1,2-Dibromoethane	<12	<12									TM116 [#]	<12 ug/kg
Tetrachloroethene	<5	<5									TM116 [#]	<5 ug/kg
1,1,1,2-Tetrachloroethane	<10	<10									TM116 [#] _M	<10 ug/kg
Chlorobenzene	<5	<5									TM116 [#] _M	<5 ug/kg
Ethylbenzene	<4	<4									TM116 [#]	<4 ug/kg
p/m-Xylene	<14	<14									TM116 [#]	<14 ug/kg
Bromoform	<10	<10									TM116 [#]	<10 ug/kg
Styrene	<10	<10									TM116 [#]	<10 ug/kg
1,1,2,2-Tetrachloroethane	<10	<10									TM116 [#]	<10 ug/kg
o-Xylene	<10	<10									TM116 [#]	<10 ug/kg
1,2,3-Trichloropropane	<17	<17									TM116 [#]	<17 ug/kg
Isopropylbenzene	<5	<5									TM116 [#]	<5 ug/kg
Bromobenzene	<10	<10									TM116 [#] _M	<10 ug/kg
2-Chlorotoluene	<9	<9									TM116 [#]	<9 ug/kg
Propylbenzene	<11	<11									TM116 [#]	<11 ug/kg
4-Chlorotoluene	<12	<12									TM116 [#]	<12 ug/kg
1,2,4-Trimethylbenzene	<9	<9									TM116 [#]	<9 ug/kg
4-Isopropyltoluene	<11	<11									TM116 [#]	<11 ug/kg
1,3,5-Trimethylbenzene	<8	<8									TM116 [#]	<8 ug/kg
1,2-Dichlorobenzene	<12	<12									TM116 [#] _M	<12 ug/kg
1,4-Dichlorobenzene	<5	<5									TM116 [#] _M	<5 ug/kg
sec-Butylbenzene	<10	<10									TM116 [#]	<10 ug/kg
tert-Butylbenzene	<12	<12									TM116 [#]	<12 ug/kg
1,3-Dichlorobenzene	<6	<6									TM116 [#]	<6 ug/kg
n-Butylbenzene	<10	<10									TM116 [#]	<10 ug/kg
1,2-Dibromo-3-chloropropane	<14	<14									TM116 [#]	<14 ug/kg
1,2,4-Trichlorobenzene	<6	<6									TM116 [#]	<6 ug/kg
Naphthalene	<13	<13									TM116 [#]	<13 ug/kg
1,2,3-Trichlorobenzene	<11	<11									TM116 [#]	<11 ug/kg

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 * Subcontracted test
 » Shown on prev. report

Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS09 D4	WS09 D5										Method Code	LoD/Units
Depth (m)	2.70	4.10											
Sample Type	SOLID	SOLID											
Sampled Date	02.11.07	02.11.07											
Sample Received Date	07.11.07	07.11.07											
Batch	7	7											
Sample Number(s)	440-444	445-449											
Volatile Organic Compounds (cont)													
Hexachlorobutadiene	<12	<12										TM116 [#]	<12 ug/kg

All results expressed on a dry weight basis.

Date 14.11.2007

ALcontrol Geochem Analytical Services

Table Of Results - Appendix

Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Report Key :

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

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

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

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample ¹	Surrogate Corrected
TM074	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS. MCERTS Accreditation on Soils for Naphthalene except when Kerosene present.	✓		DRY	
TM074	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS. MCERTS Accreditation on Soils for Naphthalene except when Kerosene present.	✓	✓	DRY	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)			WET	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓		WET	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓	✓	WET	
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS	✓		WET	
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS	✓	✓	WET	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer			DRY	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer	✓		DRY	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer	✓	✓	DRY	
TM132	In - house Method	ELTRA CS800 Operators Guide	✓		DRY	
TM133	BS 1377: Part 3 1990	Determination of pH in Soil and Water using the GLpH pH Meter	✓	✓	WET	
TM157		Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone			WET	
TM173		Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID	✓		DRY	

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

ALcontrol Geochem Analytical Services

Table Of Results - Appendix

Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Report Key :

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

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

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

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample ¹	Surrogate Corrected
TM61/89		see TM061 and TM089 for details			WET	

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

ALcontrol Geochem Analytical Services
Table Of Results - Appendix

Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Summary of Coolbox temperatures

Batch No.	Coolbox Temperature (°C)
7	8.2

ALcontrol Geochem Analytical Services

Sample Descriptions

Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref : 14183

Grain sizes
 <0.063mm Very Fine
 0.1mm - 0.063mm Fine
 0.1mm - 2mm Medium
 2mm - 10mm Coarse
 >10mm Very Coarse

Sample Identity	Depth (m)	Colour	Grain Size	Description	Batch
WS05 D1	0.8	Dark Brown	0.1mm - 2mm	Sandy Clay Loam with some Stones	6
WS05 D2	1.7	Brown	0.1mm - 2mm	Sandy Clay Loam	6
WS05 D3	2.4	Dark Brown	0.1mm - 2mm	Sand	6
WS06 D1	0.4	Brown	0.1mm - 2mm	Sandy Clay Loam with some Stones	6
WS09 D2	0.6	Brown	0.1mm - 0.063mm	Sandy Clay	6
WS10 D1	0.5	Dark Brown	0.1mm - 2mm	Loam (topsoil) with some Stones	6
WS10 D2	1.6	Dark Brown	0.1mm - 2mm	Sandy Clay Loam with some Stones	6
WS10 D3	2.5	Brown	0.1mm - 2mm	Sandy Clay Loam with some Stones	6
WS11 D1	0.5	Dark Brown	0.1mm - 2mm	Gravelly sand ¹ with some Stones	6
WS11 D2	1.3	Brown	0.1mm - 2mm	Sandy Clay with some Stones	6
WS11 D3	2.4	Brown	0.1mm - 0.063mm	Clay	6

* 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 occurring 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.

¹ Sample Description supplied by client

Validated
Preliminary

ALcontrol Geochem Analytical Services

Table Of Results

ISO 17025 accredited
M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS05 D1	WS05 D2	WS05 D3	WS06 D1	WS09 D2	WS10 D1	WS10 D2	WS10 D3	WS11 D1	Method Code	LoD/Units
Depth (m)	0.8	1.7	2.4	0.4	0.6	0.5	1.6	2.5	0.5		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	30.10.07	30.10.07	30.10.07	30.10.07	30.10.07	29.10.07	30.10.07	30.10.07	29.10.07		
Sample Received Date	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07		
Batch	6	6	6	6	6	6	6	6	6		
Sample Number(s)	246-250	251-255	256-260	261-265	271-275	276-279	280-284	285-289	290-294		
Boron Water Soluble	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	TM129 [#] _M	<3.5 mg/kg
Arsenic	17	15	<3	14	<3	75	21	18	24	TM129 [#] _M	<3.0 mg/kg
Barium	190	83	16	410	1000	660	230	190	190	TM129 [#] _M	<6.0 mg/kg
Beryllium	<0.4	0.5	<0.4	0.5	<0.4	<0.4	0.9	<0.4	1.2	TM129	<0.4 mg/kg
Cadmium	0.6	<0.3	<0.3	0.5	<0.3	0.7	<0.3	<0.3	0.4	TM129	<0.3 mg/kg
Chromium	17	17	<4.5	15	41	27	27	13	20	TM129 [#] _M	<4.5 mg/kg
Copper	51	39	<6	61	12	67	77	48	66	TM129 [#]	<6 mg/kg
Lead	110	24	32	83	10	180	36	37	33	TM129 [#] _M	<2 mg/kg
Mercury	34	0.9	<0.6	3.7	<0.6	11	3.5	<0.6	51	TM129 [#] _M	<0.6 mg/kg
Nickel	29	18	3.6	33	33	56	90	29	43	TM129 [#] _M	<0.9 mg/kg
Selenium	<3	<3	<3	<3	<3	<3	<3	<3	<3	TM129 [#] _M	<3 mg/kg
Vanadium	33	24	3.8	37	34	51	92	45	55	TM129 [#] _M	<1.5 mg/kg
Zinc	230	59	22	100	48	100	89	40	76	TM129 [#] _M	<2.5 mg/kg
Fraction of Organic Carbon	0.057	0.027	0.004	0.088	0.010	0.20	0.032	0.10	0.25	TM132 [#]	<0.002 NONE
pH Value	8.74	7.73	8.32	8.37	8.07	8.02	8.01	7.96	8.23	TM133 [#] _M	<1.00 pH Units

Validated
Preliminary

ALcontrol Geochem Analytical Services

Table Of Results

ISO 17025 accredited
M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS05 D1	WS05 D2	WS05 D3	WS06 D1	WS09 D2	WS10 D1	WS10 D2	WS10 D3	WS11 D1	Method Code	LoD/Units
Depth (m)	0.8	1.7	2.4	0.4	0.6	0.5	1.6	2.5	0.5		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	30.10.07	30.10.07	30.10.07	30.10.07	30.10.07	29.10.07	30.10.07	30.10.07	29.10.07		
Sample Received Date	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07		
Batch	6	6	6	6	6	6	6	6	6		
Sample Number(s)	246-250	251-255	256-260	261-265	271-275	276-279	280-284	285-289	290-294		
GRO (C4-C12)	480	<10	<10	18	10	83	37	<10	21	TM089	<10 ug/kg
MTBE	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 [#]	<10 ug/kg
Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 ^{#M}	<10 ug/kg
Toluene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 ^{#M}	<10 ug/kg
Ethyl benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 ^{#M}	<10 ug/kg
m & p Xylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 ^{#M}	<10 ug/kg
o Xylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 ^{#M}	<10 ug/kg
Aliphatics C5-C6	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aliphatics >C6-C8	24	<10	<10	18	<10	23	12	<10	21	TM089	<10 ug/kg
Aliphatics >C8-C10	30	<10	<10	<10	<10	24	10	<10	<10	TM089	<10 ug/kg
Aliphatics >C10-C12	150	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aliphatics >C12-C16	4400	410	<100	32000	6800	8800	3300	1300	21000	TM173 [#]	<100 ug/kg
Aliphatics >C16-C21	37000	8700	<100	26000	130	6900	400	1600	14000	TM173 [#]	<100 ug/kg
Aliphatics >C21-C35	300000	24000	<100	210000	<100	11000	<100	980	27000	TM173 [#]	<100 ug/kg
Total Aliphatics C5-C35	340000	33000	<100	260000	6900	27000	3700	3800	62000	TM61/89	<100 ug/kg
Aromatics C6-C7	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aromatics >C7-C8	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aromatics >EC8-EC10	45	<10	<10	<10	10	36	15	<10	<10	TM089	<10 ug/kg
Aromatics >EC10-EC12	230	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aromatics >EC12-EC16	6200	1500	120	12000	<100	11000	570	1100	21000	TM173 [#]	<100 ug/kg
Aromatics >EC16-EC21	26000	1700	920	48000	<100	18000	600	230	33000	TM173 [#]	<100 ug/kg
Aromatics >EC21-EC35	290000	30000	7500	330000	7300	58000	2000	1300	110000	TM173 [#]	<100 ug/kg
Total Aromatics C6-C35	320000	33000	8500	390000	7300	87000	3200	2600	160000	TM61/89	<100 ug/kg
TPH (Aliphatics and Aromatics C5-C35)	660000	65000	8500	650000	14000	110000	6900	6400	220000	TM61/89	<100 ug/kg

All results expressed on a dry weight basis.

Date 12.11.2007

Validated
 Preliminary

ALcontrol Geochem Analytical Services

Table Of Results

ISO 17025 accredited
 M MCERTS accredited
 * Subcontracted test
 » Shown on prev. report

Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS05 D1	WS05 D2	WS05 D3	WS06 D1	WS09 D2	WS10 D1	WS10 D2	WS10 D3	WS11 D1	Method Code	LoD/Units
Depth (m)	0.8	1.7	2.4	0.4	0.6	0.5	1.6	2.5	0.5		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	30.10.07	30.10.07	30.10.07	30.10.07	30.10.07	29.10.07	30.10.07	30.10.07	29.10.07		
Sample Received Date	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07		
Batch	6	6	6	6	6	6	6	6	6		
Sample Number(s)	246-250	251-255	256-260	261-265	271-275	276-279	280-284	285-289	290-294		
PAH by GCMS											
Naphthalene	700	210	75	1300	380	1400	540	400	2200	TM074 [#] _M	<10 ug/kg
Acenaphthylene	77	15	<5	74	<5	22	13	7	39	TM074 [#] _M	<5 ug/kg
Acenaphthene	170	36	<14	230	18	21	<14	<14	91	TM074 [#] _M	<14 ug/kg
Fluorene	160	36	13	170	36	21	15	<12	82	TM074 [#] _M	<12 ug/kg
Phenanthrene	1600	300	60	2600	89	890	700	230	1800	TM074 [#] _M	<21 ug/kg
Anthracene	300	56	10	690	18	99	20	11	200	TM074 [#] _M	<9 ug/kg
Fluoranthene	1800	370	52	4300	75	650	190	120	570	TM074 [#] _M	<25 ug/kg
Pyrene	1700	320	45	4200	54	460	41	81	540	TM074 [#] _M	<22 ug/kg
Benz(a)anthracene	780	200	49	2100	30	390	38	79	450	TM074 [#] _M	<12 ug/kg
Chrysene	1000	270	30	2300	22	650	150	160	430	TM074 [#] _M	<10 ug/kg
Benzo(b)fluoranthene	1100	380	48	2900	24	900	75	230	410	TM074 [#] _M	<16 ug/kg
Benzo(k)fluoranthene	530	140	<25	1100	<25	190	34	64	160	TM074 [#] _M	<25 ug/kg
Benzo(a)pyrene	770	190	29	2300	<12	150	<12	47	200	TM074 [#] _M	<12 ug/kg
Indeno(123cd)pyrene	480	150	19	1400	<11	190	<11	40	120	TM074 [#] _M	<11 ug/kg
Dibenzo(ah)anthracene	160	46	<8	360	<8	66	<8	14	89	TM074 [#] _M	<8 ug/kg
Benzo(ghi)perylene	540	170	21	1400	<10	220	<10	52	280	TM074 [#] _M	<10 ug/kg
PAH 16 Total	12000	2900	450	27000	740	6300	1800	1500	7700	TM074 [#] _M	<25 ug/kg

All results expressed on a dry weight basis.

Date 12.11.2007

Validated
Preliminary

ALcontrol Geochem Analytical Services

Table Of Results

ISO 17025 accredited
M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS05 D1	WS05 D2	WS05 D3	WS06 D1	WS09 D2	WS10 D1	WS10 D2	WS10 D3	WS11 D1	Method Code	LoD/Units
Depth (m)	0.8	1.7	2.4	0.4	0.6	0.5	1.6	2.5	0.5		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	30.10.07	30.10.07	30.10.07	30.10.07	30.10.07	29.10.07	30.10.07	30.10.07	29.10.07		
Sample Received Date	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07		
Batch	6	6	6	6	6	6	6	6	6		
Sample Number(s)	246-250	251-255	256-260	261-265	271-275	276-279	280-284	285-289	290-294		
SVOC by GCMS											
Phenols											
2-Chlorophenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2-Methylphenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2-Nitrophenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2,4-Dichlorophenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2,4-Dimethylphenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2,4,5-Trichlorophenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2,4,6-Trichlorophenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Chloro-3-methylphenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Methylphenol	1200	1900	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Nitrophenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Pentachlorophenol	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Phenol	260	300	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg

All results expressed on a dry weight basis.

Date 12.11.2007

Validated
Preliminary

ALcontrol Geochem Analytical Services

Table Of Results

ISO 17025 accredited
M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS05 D1	WS05 D2	WS05 D3	WS06 D1	WS09 D2	WS10 D1	WS10 D2	WS10 D3	WS11 D1	Method Code	LoD/Units
Depth (m)	0.8	1.7	2.4	0.4	0.6	0.5	1.6	2.5	0.5		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	30.10.07	30.10.07	30.10.07	30.10.07	30.10.07	29.10.07	30.10.07	30.10.07	29.10.07		
Sample Received Date	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07		
Batch	6	6	6	6	6	6	6	6	6		
Sample Number(s)	246-250	251-255	256-260	261-265	271-275	276-279	280-284	285-289	290-294		
PAHs											
2-Chloronaphthalene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2-Methylnaphthalene	500	<100	<100	500	<100	460	<100	<100	200	TM157	<100 ug/kg
Phthalates											
Bis(2-ethylhexyl) phthalate	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Butylbenzyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Di-n-butyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Di-n-Octyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Diethyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Dimethyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Other Semi-volatiles											
1,2-Dichlorobenzene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
1,2,4-Trichlorobenzene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
1,3-Dichlorobenzene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
1,4-Dichlorobenzene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2-Nitroaniline	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2,4-Dinitrotoluene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
2,6-Dinitrotoluene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
3-Nitroaniline	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Bromophenylphenylether	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Chloroaniline	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Chlorophenylphenylether	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
4-Nitroaniline	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Azobenzene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Bis(2-chloroethoxy)methane	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Bis(2-chloroethyl)ether	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Carbazole	160	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Dibenzofuran	220	<100	<100	140	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Hexachlorobenzene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg

All results expressed on a dry weight basis.

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS05 D1	WS05 D2	WS05 D3	WS06 D1	WS09 D2	WS10 D1	WS10 D2	WS10 D3	WS11 D1	Method Code	LoD/Units
Depth (m)	0.8	1.7	2.4	0.4	0.6	0.5	1.6	2.5	0.5		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	30.10.07	30.10.07	30.10.07	30.10.07	30.10.07	29.10.07	30.10.07	30.10.07	29.10.07		
Sample Received Date	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07		
Batch	6	6	6	6	6	6	6	6	6		
Sample Number(s)	246-250	251-255	256-260	261-265	271-275	276-279	280-284	285-289	290-294		
Other Semi-volatiles (cont)											
Hexachlorobutadiene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Hexachlorocyclopentadiene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Hexachloroethane	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Isophorone	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
N-nitrosodi-n-propylamine	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg
Nitrobenzene	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM157	<100 ug/kg

All results expressed on a dry weight basis.

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS05 D1	WS05 D2	WS05 D3	WS06 D1	WS09 D2	WS10 D1	WS10 D2	WS10 D3	WS11 D1	Method Code	LoD/Units
Depth (m)	0.8	1.7	2.4	0.4	0.6	0.5	1.6	2.5	0.5		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	30.10.07	30.10.07	30.10.07	30.10.07	30.10.07	29.10.07	30.10.07	30.10.07	29.10.07		
Sample Received Date	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07		
Batch	6	6	6	6	6	6	6	6	6		
Sample Number(s)	246-250	251-255	256-260	261-265	271-275	276-279	280-284	285-289	290-294		
Volatile Organic Compounds											
Dichlorodifluoromethane	<4	<4	<4	<4	<4	<4	<4	<4	<4	TM116 [#]	<4 ug/kg
Chloromethane	<7	<7	<7	<7	<7	<7	<7	<7	<7	TM116 [#]	<7 ug/kg
Vinyl Chloride	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#] _M	<10 ug/kg
Bromomethane	<13	<13	<13	<13	<13	<13	<13	<13	<13	TM116 [#]	<13 ug/kg
Chloroethane	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#]	<14 ug/kg
Trichlorofluoromethane	<6	<6	<6	<6	<6	<6	<6	<6	<6	TM116 [#] _M	<6 ug/kg
trans-1-2-Dichloroethene	<11	<11	<11	<11	<11	<11	<11	<11	<11	TM116 [#]	<11 ug/kg
Dichloromethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
Carbon Disulphide	<7	37	<7	<7	<7	<7	<7	<7	<7	TM116 [#] _M	<7 ug/kg
1,1-Dichloroethene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#] _M	<10 ug/kg
1,1-Dichloroethane	<8	<8	<8	<8	<8	<8	<8	<8	<8	TM116 [#] _M	<8 ug/kg
Methyl Tertiary Butyl Ether	<11	<11	<11	<11	<11	<11	<11	<11	<11	TM116 [#] _M	<11 ug/kg
cis-1-2-Dichloroethene	15	<5	<5	<5	<5	<5	<5	<5	<5	TM116 [#] _M	<5 ug/kg
Bromochloromethane	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#]	<14 ug/kg
Chloroform	<8	<8	<8	11	<8	<8	<8	<8	<8	TM116 [#] _M	<8 ug/kg
2,2-Dichloropropane	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116 [#]	<12 ug/kg
1,2-Dichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	TM116 [#]	<5 ug/kg
1,1,1-Trichloroethane	<7	<7	<7	<7	<7	18	<7	<7	<7	TM116 [#] _M	<7 ug/kg
1,1-Dichloropropene	<11	<11	<11	<11	<11	<11	<11	<11	<11	TM116 [#] _M	<11 ug/kg
Benzene	<9	<9	<9	<9	<9	<9	<9	<9	<9	TM116 [#] _M	<9 ug/kg
Carbontetrachloride	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#] _M	<14 ug/kg
Dibromomethane	<9	<9	<9	<9	<9	<9	<9	<9	<9	TM116 [#]	<9 ug/kg
1,2-Dichloropropane	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116 [#] _M	<12 ug/kg
Bromodichloromethane	<7	<7	<7	<7	<7	<7	<7	<7	<7	TM116 [#] _M	<7 ug/kg
Trichloroethene	89	<9	<9	52	<9	110	55	<9	140	TM116 [#] _M	<9 ug/kg
cis-1-3-Dichloropropene	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#] _M	<14 ug/kg
trans-1-3-Dichloropropene	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#] _M	<14 ug/kg
1,1,2-Trichloroethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
Toluene	6	<5	<5	<5	<5	<5	<5	<5	<5	TM116 [#] _M	<5 ug/kg
1,3-Dichloropropane	<7	<7	<7	<7	<7	<7	<7	<7	<7	TM116 [#]	<7 ug/kg

All results expressed on a dry weight basis.

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS05 D1	WS05 D2	WS05 D3	WS06 D1	WS09 D2	WS10 D1	WS10 D2	WS10 D3	WS11 D1	Method Code	LoD/Units
Depth (m)	0.8	1.7	2.4	0.4	0.6	0.5	1.6	2.5	0.5		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	30.10.07	30.10.07	30.10.07	30.10.07	30.10.07	29.10.07	30.10.07	30.10.07	29.10.07		
Sample Received Date	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07		
Batch	6	6	6	6	6	6	6	6	6		
Sample Number(s)	246-250	251-255	256-260	261-265	271-275	276-279	280-284	285-289	290-294		
Volatile Organic Compounds (cont)											
Dibromochloromethane	<13	<13	<13	<13	<13	<13	<13	<13	<13	TM116 [#]	<13 ug/kg
1,2-Dibromoethane	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116 [#]	<12 ug/kg
Tetrachloroethene	68	<5	<5	17	<5	300	140	10	30	TM116 [#]	<5 ug/kg
1,1,1,2-Tetrachloroethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 ^{#M}	<10 ug/kg
Chlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	TM116 ^{#M}	<5 ug/kg
Ethylbenzene	<4	<4	<4	<4	<4	<4	<4	<4	<4	TM116 [#]	<4 ug/kg
p/m-Xylene	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#]	<14 ug/kg
Bromoform	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
Styrene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
1,1,2,2-Tetrachloroethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
o-Xylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
1,2,3-Trichloropropane	<17	<17	<17	<17	<17	<17	<17	<17	<17	TM116 [#]	<17 ug/kg
Isopropylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	TM116 [#]	<5 ug/kg
Bromobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 ^{#M}	<10 ug/kg
2-Chlorotoluene	<9	<9	<9	<9	<9	<9	<9	<9	<9	TM116 [#]	<9 ug/kg
Propylbenzene	<11	<11	<11	<11	<11	<11	<11	<11	<11	TM116 [#]	<11 ug/kg
4-Chlorotoluene	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116 [#]	<12 ug/kg
1,2,4-Trimethylbenzene	<9	<9	<9	<9	<9	<9	<9	<9	<9	TM116 [#]	<9 ug/kg
4-Isopropyltoluene	<11	<11	<11	<11	<11	<11	<11	<11	<11	TM116 [#]	<11 ug/kg
1,3,5-Trimethylbenzene	<8	<8	<8	<8	<8	<8	<8	<8	<8	TM116 [#]	<8 ug/kg
1,2-Dichlorobenzene	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116 ^{#M}	<12 ug/kg
1,4-Dichlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	TM116 ^{#M}	<5 ug/kg
sec-Butylbenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
tert-Butylbenzene	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116 [#]	<12 ug/kg
1,3-Dichlorobenzene	<6	<6	<6	<6	<6	<6	<6	<6	<6	TM116 [#]	<6 ug/kg
n-Butylbenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM116 [#]	<10 ug/kg
1,2-Dibromo-3-chloropropane	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM116 [#]	<14 ug/kg
1,2,4-Trichlorobenzene	<6	<6	<6	<6	<6	<6	<6	<6	<6	TM116 [#]	<6 ug/kg
Naphthalene	<13	<13	<13	<13	<13	<13	<13	<13	<13	TM116 [#]	<13 ug/kg
1,2,3-Trichlorobenzene	<11	<11	<11	<11	<11	<11	<11	<11	<11	TM116 [#]	<11 ug/kg

All results expressed on a dry weight basis.

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS05 D1	WS05 D2	WS05 D3	WS06 D1	WS09 D2	WS10 D1	WS10 D2	WS10 D3	WS11 D1	Method Code	LoD/Units
Depth (m)	0.8	1.7	2.4	0.4	0.6	0.5	1.6	2.5	0.5		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	30.10.07	30.10.07	30.10.07	30.10.07	30.10.07	29.10.07	30.10.07	30.10.07	29.10.07		
Sample Received Date	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07	01.11.07		
Batch	6	6	6	6	6	6	6	6	6		
Sample Number(s)	246-250	251-255	256-260	261-265	271-275	276-279	280-284	285-289	290-294		
Volatile Organic Compounds (cont)											
Hexachlorobutadiene	<12	<12	<12	<12	<12	<12	<12	<12	<12	TM116 [#]	<12 ug/kg

All results expressed on a dry weight basis.

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS11 D2	WS11 D3							Method Code	LoD/Units
Depth (m)	1.3	2.4								
Sample Type	SOLID	SOLID								
Sampled Date	30.10.07	30.10.07								
Sample Received Date	01.11.07	01.11.07								
Batch	6	6								
Sample Number(s)	295-299	300-304								
Boron Water Soluble	<3.5	<3.5							TM129 [#] _M	<3.5 mg/kg
Arsenic	8	<3							TM129 [#] _M	<3.0 mg/kg
Barium	63	64							TM129 [#] _M	<6.0 mg/kg
Beryllium	<0.4	<0.4							TM129 [#] _M	<0.4 mg/kg
Cadmium	<0.3	<0.3							TM129 [#] _M	<0.3 mg/kg
Chromium	17	33							TM129 [#] _M	<4.5 mg/kg
Copper	23	10							TM129 [#] _M	<6 mg/kg
Lead	44	8							TM129 [#] _M	<2 mg/kg
Mercury	1.3	<0.6							TM129 [#] _M	<0.6 mg/kg
Nickel	18	39							TM129 [#] _M	<0.9 mg/kg
Selenium	<3	<3							TM129 [#] _M	<3 mg/kg
Vanadium	21	35							TM129 [#] _M	<1.5 mg/kg
Zinc	49	54							TM129 [#] _M	<2.5 mg/kg
Fraction of Organic Carbon	0.028	0.002							TM132 [#] _M	<0.002 NONE
pH Value	7.70	8.27							TM133 [#] _M	<1.00 pH Units

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS11 D2	WS11 D3									Method Code	LoD/Units
Depth (m)	1.3	2.4										
Sample Type	SOLID	SOLID										
Sampled Date	30.10.07	30.10.07										
Sample Received Date	01.11.07	01.11.07										
Batch	6	6										
Sample Number(s)	295-299	300-304										
GRO (C4-C12)	<10	<10									TM089	<10 ug/kg
MTBE	<10	<10									TM089 [#]	<10 ug/kg
Benzene	<10	<10									TM089 [#] _M	<10 ug/kg
Toluene	<10	<10									TM089 [#] _M	<10 ug/kg
Ethyl benzene	<10	<10									TM089 [#] _M	<10 ug/kg
m & p Xylene	<10	<10									TM089 [#] _M	<10 ug/kg
o Xylene	<10	<10									TM089 [#] _M	<10 ug/kg
Aliphatics C5-C6	<10	<10									TM089	<10 ug/kg
Aliphatics >C6-C8	<10	<10									TM089	<10 ug/kg
Aliphatics >C8-C10	<10	<10									TM089	<10 ug/kg
Aliphatics >C10-C12	<10	<10									TM089	<10 ug/kg
Aliphatics >C12-C16	3900	7700									TM173 [#]	<100 ug/kg
Aliphatics >C16-C21	550	150									TM173 [#]	<100 ug/kg
Aliphatics >C21-C35	3000	<100									TM173 [#]	<100 ug/kg
Total Aliphatics C5-C35	7400	7800									TM61/89	<100 ug/kg
Aromatics C6-C7	<10	<10									TM089	<10 ug/kg
Aromatics >C7-C8	<10	<10									TM089	<10 ug/kg
Aromatics >EC8-EC10	<10	<10									TM089	<10 ug/kg
Aromatics >EC10-EC12	<10	<10									TM089	<10 ug/kg
Aromatics >EC12-EC16	1200	<100									TM173 [#]	<100 ug/kg
Aromatics >EC16-EC21	4700	<100									TM173 [#]	<100 ug/kg
Aromatics >EC21-EC35	36000	<100									TM173 [#]	<100 ug/kg
Total Aromatics C6-C35	42000	<100									TM61/89	<100 ug/kg
TPH (Aliphatics and Aromatics C5-C35)	50000	7800									TM61/89	<100 ug/kg

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS11 D2	WS11 D3																Method Code	LoD/Units
Depth (m)	1.3	2.4																	
Sample Type	SOLID	SOLID																	
Sampled Date	30.10.07	30.10.07																	
Sample Received Date	01.11.07	01.11.07																	
Batch	6	6																	
Sample Number(s)	295-299	300-304																	
PAH by GCMS																			
Naphthalene	330	230																TM074 [#] _M	<10 ug/kg
Acenaphthylene	11	<5																TM074 [#] _M	<5 ug/kg
Acenaphthene	150	<14																TM074 [#] _M	<14 ug/kg
Fluorene	100	16																TM074 [#] _M	<12 ug/kg
Phenanthrene	670	31																TM074 [#] _M	<21 ug/kg
Anthracene	95	<9																TM074 [#] _M	<9 ug/kg
Fluoranthene	650	<25																TM074 [#] _M	<25 ug/kg
Pyrene	620	<22																TM074 [#] _M	<22 ug/kg
Benz(a)anthracene	340	16																TM074 [#] _M	<12 ug/kg
Chrysene	430	<10																TM074 [#] _M	<10 ug/kg
Benzo(b)fluoranthene	470	<16																TM074 [#] _M	<16 ug/kg
Benzo(k)fluoranthene	180	<25																TM074 [#] _M	<25 ug/kg
Benzo(a)pyrene	290	<12																TM074 [#] _M	<12 ug/kg
Indeno(123cd)pyrene	120	<11																TM074 [#] _M	<11 ug/kg
Dibenzo(ah)anthracene	52	<8																TM074 [#] _M	<8 ug/kg
Benzo(ghi)perylene	170	<10																TM074 [#] _M	<10 ug/kg
PAH 16 Total	4700	300																TM074 [#] _M	<25 ug/kg

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS11 D2	WS11 D3								Method Code	LoD/Units
Depth (m)	1.3	2.4									
Sample Type	SOLID	SOLID									
Sampled Date	30.10.07	30.10.07									
Sample Received Date	01.11.07	01.11.07									
Batch	6	6									
Sample Number(s)	295-299	300-304									
SVOC by GCMS											
Phenols											
2-Chlorophenol	<100	<100								TM157	<100 ug/kg
2-Methylphenol	<100	<100								TM157	<100 ug/kg
2-Nitrophenol	<100	<100								TM157	<100 ug/kg
2,4-Dichlorophenol	<100	<100								TM157	<100 ug/kg
2,4-Dimethylphenol	<100	<100								TM157	<100 ug/kg
2,4,5-Trichlorophenol	<100	<100								TM157	<100 ug/kg
2,4,6-Trichlorophenol	<100	<100								TM157	<100 ug/kg
4-Chloro-3-methylphenol	<100	<100								TM157	<100 ug/kg
4-Methylphenol	<100	<100								TM157	<100 ug/kg
4-Nitrophenol	<100	<100								TM157	<100 ug/kg
Pentachlorophenol	<100	<100								TM157	<100 ug/kg
Phenol	<100	<100								TM157	<100 ug/kg

All results expressed on a dry weight basis.

Date 12.11.2007

Validated
 Preliminary

ALcontrol Geochem Analytical Services

Table Of Results

ISO 17025 accredited
 M MCERTS accredited
 * Subcontracted test
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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS11 D2	WS11 D3									Method Code	LoD/Units
Depth (m)	1.3	2.4										
Sample Type	SOLID	SOLID										
Sampled Date	30.10.07	30.10.07										
Sample Received Date	01.11.07	01.11.07										
Batch	6	6										
Sample Number(s)	295-299	300-304										
PAHs												
2-Chloronaphthalene	<100	<100									TM157	<100 ug/kg
2-Methylnaphthalene	<100	<100									TM157	<100 ug/kg
Phthalates												
Bis(2-ethylhexyl) phthalate	<100	<100									TM157	<100 ug/kg
Butylbenzyl phthalate	<100	<100									TM157	<100 ug/kg
Di-n-butyl phthalate	<100	<100									TM157	<100 ug/kg
Di-n-Octyl phthalate	<100	<100									TM157	<100 ug/kg
Diethyl phthalate	<100	<100									TM157	<100 ug/kg
Dimethyl phthalate	<100	<100									TM157	<100 ug/kg
Other Semi-volatiles												
1,2-Dichlorobenzene	<100	<100									TM157	<100 ug/kg
1,2,4-Trichlorobenzene	<100	<100									TM157	<100 ug/kg
1,3-Dichlorobenzene	<100	<100									TM157	<100 ug/kg
1,4-Dichlorobenzene	<100	<100									TM157	<100 ug/kg
2-Nitroaniline	<100	<100									TM157	<100 ug/kg
2,4-Dinitrotoluene	<100	<100									TM157	<100 ug/kg
2,6-Dinitrotoluene	<100	<100									TM157	<100 ug/kg
3-Nitroaniline	<100	<100									TM157	<100 ug/kg
4-Bromophenylphenylether	<100	<100									TM157	<100 ug/kg
4-Chloroaniline	<100	<100									TM157	<100 ug/kg
4-Chlorophenylphenylether	<100	<100									TM157	<100 ug/kg
4-Nitroaniline	<100	<100									TM157	<100 ug/kg
Azobenzene	<100	<100									TM157	<100 ug/kg
Bis(2-chloroethoxy)methane	<100	<100									TM157	<100 ug/kg
Bis(2-chloroethyl)ether	<100	<100									TM157	<100 ug/kg
Carbazole	<100	<100									TM157	<100 ug/kg
Dibenzofuran	<100	<100									TM157	<100 ug/kg
Hexachlorobenzene	<100	<100									TM157	<100 ug/kg

All results expressed on a dry weight basis.

Date 12.11.2007

Validated
 Preliminary

ALcontrol Geochem Analytical Services

Table Of Results

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 * Subcontracted test
 » Shown on prev. report

Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS11 D2	WS11 D3								Method Code	LoD/Units
Depth (m)	1.3	2.4									
Sample Type	SOLID	SOLID									
Sampled Date	30.10.07	30.10.07									
Sample Received Date	01.11.07	01.11.07									
Batch	6	6									
Sample Number(s)	295-299	300-304									
Other Semi-volatiles (cont)											
Hexachlorobutadiene	<100	<100								TM157	<100 ug/kg
Hexachlorocyclopentadiene	<100	<100								TM157	<100 ug/kg
Hexachloroethane	<100	<100								TM157	<100 ug/kg
Isophorone	<100	<100								TM157	<100 ug/kg
N-nitrosodi-n-propylamine	<100	<100								TM157	<100 ug/kg
Nitrobenzene	<100	<100								TM157	<100 ug/kg

All results expressed on a dry weight basis.

Date 12.11.2007

Validated
 Preliminary

ALcontrol Geochem Analytical Services

Table Of Results

ISO 17025 accredited
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 * Subcontracted test
 » Shown on prev. report

Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS11 D2	WS11 D3									Method Code	LoD/Units
Depth (m)	1.3	2.4										
Sample Type	SOLID	SOLID										
Sampled Date	30.10.07	30.10.07										
Sample Received Date	01.11.07	01.11.07										
Batch	6	6										
Sample Number(s)	295-299	300-304										
Volatile Organic Compounds												
Dichlorodifluoromethane	<4	<4									TM116 [#]	<4 ug/kg
Chloromethane	<7	<7									TM116 [#]	<7 ug/kg
Vinyl Chloride	<10	<10									TM116 [#] _M	<10 ug/kg
Bromomethane	<13	<13									TM116 [#]	<13 ug/kg
Chloroethane	<14	<14									TM116 [#]	<14 ug/kg
Trichlorofluoromethane	<6	<6									TM116 [#] _M	<6 ug/kg
trans-1-2-Dichloroethene	<11	<11									TM116 [#]	<11 ug/kg
Dichloromethane	<10	<10									TM116 [#]	<10 ug/kg
Carbon Disulphide	<7	<7									TM116 [#] _M	<7 ug/kg
1,1-Dichloroethene	<10	<10									TM116 [#] _M	<10 ug/kg
1,1-Dichloroethane	<8	<8									TM116 [#] _M	<8 ug/kg
Methyl Tertiary Butyl Ether	<11	<11									TM116 [#] _M	<11 ug/kg
cis-1-2-Dichloroethene	<5	9									TM116 [#] _M	<5 ug/kg
Bromochloromethane	<14	<14									TM116 [#]	<14 ug/kg
Chloroform	<8	<8									TM116 [#] _M	<8 ug/kg
2,2-Dichloropropane	<12	<12									TM116 [#]	<12 ug/kg
1,2-Dichloroethane	<5	<5									TM116 [#]	<5 ug/kg
1,1,1-Trichloroethane	<7	<7									TM116 [#] _M	<7 ug/kg
1,1-Dichloropropene	<11	<11									TM116 [#] _M	<11 ug/kg
Benzene	<9	<9									TM116 [#] _M	<9 ug/kg
Carbontetrachloride	<14	<14									TM116 [#] _M	<14 ug/kg
Dibromomethane	<9	<9									TM116 [#]	<9 ug/kg
1,2-Dichloropropane	<12	<12									TM116 [#] _M	<12 ug/kg
Bromodichloromethane	<7	<7									TM116 [#] _M	<7 ug/kg
Trichloroethene	<9	17									TM116 [#] _M	<9 ug/kg
cis-1-3-Dichloropropene	<14	<14									TM116 [#] _M	<14 ug/kg
trans-1-3-Dichloropropene	<14	<14									TM116 [#] _M	<14 ug/kg
1,1,2-Trichloroethane	<10	<10									TM116 [#]	<10 ug/kg
Toluene	<5	<5									TM116 [#] _M	<5 ug/kg
1,3-Dichloropropane	<7	<7									TM116 [#]	<7 ug/kg

All results expressed on a dry weight basis.

Date 12.11.2007

Validated
 Preliminary

ALcontrol Geochem Analytical Services

Table Of Results

ISO 17025 accredited
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 * Subcontracted test
 » Shown on prev. report

Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	WS11 D2	WS11 D3									Method Code	LoD/Units
Depth (m)	1.3	2.4										
Sample Type	SOLID	SOLID										
Sampled Date	30.10.07	30.10.07										
Sample Received Date	01.11.07	01.11.07										
Batch	6	6										
Sample Number(s)	295-299	300-304										
Volatile Organic Compounds (cont)												
Dibromochloromethane	<13	<13									TM116 [#]	<13 ug/kg
1,2-Dibromoethane	<12	<12									TM116 [#]	<12 ug/kg
Tetrachloroethene	<5	<5									TM116 [#]	<5 ug/kg
1,1,1,2-Tetrachloroethane	<10	<10									TM116 [#] _M	<10 ug/kg
Chlorobenzene	<5	<5									TM116 [#] _M	<5 ug/kg
Ethylbenzene	<4	<4									TM116 [#]	<4 ug/kg
p/m-Xylene	<14	<14									TM116 [#]	<14 ug/kg
Bromoform	<10	<10									TM116 [#]	<10 ug/kg
Styrene	<10	<10									TM116 [#]	<10 ug/kg
1,1,2,2-Tetrachloroethane	<10	<10									TM116 [#]	<10 ug/kg
o-Xylene	<10	<10									TM116 [#]	<10 ug/kg
1,2,3-Trichloropropane	<17	<17									TM116 [#]	<17 ug/kg
Isopropylbenzene	<5	<5									TM116 [#]	<5 ug/kg
Bromobenzene	<10	<10									TM116 [#] _M	<10 ug/kg
2-Chlorotoluene	<9	<9									TM116 [#]	<9 ug/kg
Propylbenzene	<11	<11									TM116 [#]	<11 ug/kg
4-Chlorotoluene	<12	<12									TM116 [#]	<12 ug/kg
1,2,4-Trimethylbenzene	<9	<9									TM116 [#]	<9 ug/kg
4-Isopropyltoluene	<11	<11									TM116 [#]	<11 ug/kg
1,3,5-Trimethylbenzene	<8	<8									TM116 [#]	<8 ug/kg
1,2-Dichlorobenzene	<12	<12									TM116 [#] _M	<12 ug/kg
1,4-Dichlorobenzene	<5	<5									TM116 [#] _M	<5 ug/kg
sec-Butylbenzene	<10	<10									TM116 [#]	<10 ug/kg
tert-Butylbenzene	<12	<12									TM116 [#]	<12 ug/kg
1,3-Dichlorobenzene	<6	<6									TM116 [#]	<6 ug/kg
n-Butylbenzene	<10	<10									TM116 [#]	<10 ug/kg
1,2-Dibromo-3-chloropropane	<14	<14									TM116 [#]	<14 ug/kg
1,2,4-Trichlorobenzene	<6	<6									TM116 [#]	<6 ug/kg
Naphthalene	<13	<13									TM116 [#]	<13 ug/kg
1,2,3-Trichlorobenzene	<11	<11									TM116 [#]	<11 ug/kg

All results expressed on a dry weight basis.

Date 12.11.2007

Validated
 Preliminary

ALcontrol Geochem Analytical Services Table Of Results

ISO 17025 accredited
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 * Subcontracted test
 » Shown on prev. report

Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: SOLID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

	WS11 D2	WS11 D3									Method Code	LoD/Units
Sample Identity												
Depth (m)	1.3	2.4										
Sample Type	SOLID	SOLID										
Sampled Date	30.10.07	30.10.07										
Sample Received Date	01.11.07	01.11.07										
Batch	6	6										
Sample Number(s)	295-299	300-304										
Volatile Organic Compounds (cont)												
Hexachlorobutadiene	<12	<12									TM116#	<12 ug/kg

ALcontrol Geochem Analytical Services

Table Of Results - Appendix

Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Report Key :

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

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

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

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample ¹	Surrogate Corrected
TM074	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS. MCERTS Accreditation on Soils for Naphthalene except when Kerosene present.	✓		DRY	
TM074	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS. MCERTS Accreditation on Soils for Naphthalene except when Kerosene present.	✓	✓	DRY	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)			WET	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓		WET	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓	✓	WET	
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS	✓		WET	
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS	✓	✓	WET	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer			DRY	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer	✓		DRY	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer	✓	✓	DRY	
TM132	In - house Method	ELTRA CS800 Operators Guide	✓		DRY	
TM133	BS 1377: Part 3 1990	Determination of pH in Soil and Water using the GLpH pH Meter	✓	✓	WET	
TM157		Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone			WET	
TM173		Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID	✓		DRY	

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

ALcontrol Geochem Analytical Services

Table Of Results - Appendix

Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Report Key :

			Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03x10 ⁻⁷
NDP	No Determination Possible	*	Subcontracted test
NFD	No Fibres Detected	»	Result previously reported (Incremental reports only)
#	ISO 17025 accredited	M	MCERTS Accredited
PFD	Possible Fibres Detected	EC	Equivalent Carbon (Aromatics C8-C35)

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

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample ¹	Surrogate Corrected
TM61/89		see TM061 and TM089 for details			WET	

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

Water samples

Validated
 Preliminary

ALcontrol Laboratories Analytical Services

Table Of Results

ISO 17025 accredited
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 * Subcontracted test
 » Shown on prev. report

Job Number: 08/04170/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: LIQUID
Location: PROJECT ISIS PH2
Client Contact: Neil Johnson

Sample Identity	C12	C13	C19	C23	G1	G5	G6	G8	G9	Method Code	LoD/Units
Depth (m)	1.14	-	2.67	3.10	1.54	1.65	4.57	3.40	-		
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date											
Sample Received Date	27.02.08	27.02.08	27.02.08	27.02.08	27.02.08	27.02.08	27.02.08	27.02.08	27.02.08		
Batch	1	1	1	1	1	1	1	1	1		
Sample Number(s)	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45		
Arsenic Dissolved (ICP-MS)	2	<1	3	41	3	27	1	1	<1	TM152 [#]	<1 ug/l
Boron Dissolved (ICP-MS)	180	220	200	230	220	110	230	220	120	TM152 [#]	<20 ug/l
Cadmium Dissolved (ICP-MS)	1.4	1.4	6.0	1.2	1.0	1.0	0.9	1.0	1.0	TM152 [#]	<0.5 ug/l
Chromium Dissolved (ICP-MS)	3	2	9	3	6	21	2	2	7	TM152 [#]	<1 ug/l
Copper Dissolved (ICP-MS)	5.3	7.0	1.9	2.4	8.9	<1.6	3.1	7.5	2.4	TM152 [#]	<1.6 ug/l
Lead Dissolved (ICP-MS)	<0.5	47	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	TM152 [#]	<0.5 ug/l
Nickel Dissolved (ICP-MS)	4.7	53	6.3	5.6	11	7.1	13	1.9	4.5	TM152 [#]	<1.5 ug/l
Selenium Dissolved (ICP-MS)	2	2	14	<1	2	4	8	16	6	TM152 [#]	<1 ug/l
Zinc Dissolved (ICP-MS)	<5	<5	36	<5	<5	<5	52	<5	<5	TM152 [#]	<5 ug/l
Mercury Dissolved (CVAF)	<0.01	0.02	<0.01	0.09	0.02	<0.01	<0.01	<0.01	<0.01	TM183 [#]	<0.01 ug/l

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 Preliminary

ALcontrol Laboratories Analytical Services

Table Of Results

ISO 17025 accredited
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 * Subcontracted test
 » Shown on prev. report

Job Number: 08/04170/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: LIQUID
Location: PROJECT ISIS PH2
Client Contact: Neil Johnson

Sample Identity	C12	C13	C19	C23	G1	G5	G6	G8	G9	Method Code	LoD/Units
Depth (m)	1.14	-	2.67	3.10	1.54	1.65	4.57	3.40	-		
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date											
Sample Received Date	27.02.08	27.02.08	27.02.08	27.02.08	27.02.08	27.02.08	27.02.08	27.02.08	27.02.08		
Batch	1	1	1	1	1	1	1	1	1		
Sample Number(s)	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45		
GRO (C4-C12)	<10	<10	<10	5600	<10	16	140	<10	79	TM089#	<10 ug/l
MTBE	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089#	<10 ug/l
Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089#	<10 ug/l
Toluene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089#	<10 ug/l
Ethyl benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089#	<10 ug/l
m & p Xylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089#	<10 ug/l
o Xylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089#	<10 ug/l
Aliphatics C5-C6	<10	<10	<10	71	<10	<10	<10	<10	<10	TM089	<10 ug/l
Aliphatics >C6-C8	<10	<10	<10	43	<10	16	140	<10	<10	TM089	<10 ug/l
Aliphatics >C8-C10	<10	<10	<10	390	<10	<10	<10	<10	32	TM089	<10 ug/l
Aliphatics >C10-C12	<10	<10	<10	1800	<10	<10	<10	<10	<10	TM089	<10 ug/l
Aliphatics >C12-C16 Aqueous	<10	<10	<10	3000	<10	<10	<10	<10	<10	TM174	<10 ug/l
Aliphatics >C16-C21 Aqueous	<10	<10	<10	4500	<10	<10	<10	<10	<10	TM174	<10 ug/l
Aliphatics >C21-C35 Aqueous	<10	<10	<10	2500	<10	<10	190	<10	<10	TM174	<10 ug/l
Total Aliphatics C5-C35 Aqueous	<10	<10	<10	12000	<10	16	330	<10	32	TM61/89	<10 ug/l
Aromatics C6-C7	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089#	<10 ug/l
Aromatics >C7-C8	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089#	<10 ug/l
Aromatics >EC8-EC10	<10	<10	<10	580	<10	<10	<10	<10	47	TM089	<10 ug/l
Aromatics >EC10-EC12	<10	<10	<10	2700	<10	<10	<10	<10	<10	TM089	<10 ug/l
Aromatics >EC12-EC16 Aqueous	<10	<10	<10	650	<10	<10	<10	<10	<10	TM174	<10 ug/l
Aromatics >EC16-EC21 Aqueous	<10	<10	<10	1600	<10	<10	<10	<10	<10	TM174	<10 ug/l
Aromatics >EC21-EC35 Aqueous	<10	<10	<10	2000	<10	<10	120	<10	<10	TM174	<10 ug/l
Total Aromatics C6-C35 Aqueous	<10	<10	<10	7600	<10	<10	120	<10	47	TM61/89	<10 ug/l
TPH (Aliphatics and Aromatics C5-C35) Aqueous	<10	<10	<10	20000	<10	16	450	<10	79	TM61/89	<10 ug/l

Date 12.03.2008

Validated
Preliminary

ALcontrol Laboratories Analytical Services

Table Of Results

ISO 17025 accredited
M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 08/04170/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: LIQUID
Location: PROJECT ISIS PH2
Client Contact: Neil Johnson

Sample Identity	C12	C13	C19	C23	G1	G5	G6	G8	G9	Method Code	LoD/Units
Depth (m)	1.14	-	2.67	3.10	1.54	1.65	4.57	3.40	-		
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date											
Sample Received Date	27.02.08	27.02.08	27.02.08	27.02.08	27.02.08	27.02.08	27.02.08	27.02.08	27.02.08		
Batch	1	1	1	1	1	1	1	1	1		
Sample Number(s)	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45		
Volatile Organic Compounds											
Dichlorodifluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
Vinyl Chloride	<1	<1	<1	75	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
Chloroethane	<1	<1	<1	8	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
trans-1-2-Dichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
Dichloromethane	<1	<1	<1	<1	<1	<1	36	<1	<1	TM208 [#]	<1 ug/l
Carbon Disulphide	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
1,1-Dichloroethene	<1	<1	<1	3	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
1,1-Dichloroethane	<1	<1	<1	340	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
Methyl Tertiary Butyl Ether	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
cis-1-2-Dichloroethene	11	<1	<1	90	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
Chloroform	<1	<1	<1	12	<1	<1	3	4	<1	TM208 [#]	<1 ug/l
2,2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
1,2-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
1,1,1-Trichloroethane	<1	<1	<1	260	<1	<1	<1	<1	5	TM208 [#]	<1 ug/l
1,1-Dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
Carbontetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
1,2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
Trichloroethene	3	2	1	6	<1	<1	<1	<1	2	TM208 [#]	<1 ug/l
cis-1-3-Dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
trans-1-3-Dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
1,1,2-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
1,3-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l

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Table Of Results

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Job Number: 08/04170/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: LIQUID
Location: PROJECT ISIS PH2
Client Contact: Neil Johnson

Sample Identity	C12	C13	C19	C23	G1	G5	G6	G8	G9	Method Code	LoD/Units
Depth (m)	1.14	-	2.67	3.10	1.54	1.65	4.57	3.40	-		
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date											
Sample Received Date	27.02.08	27.02.08	27.02.08	27.02.08	27.02.08	27.02.08	27.02.08	27.02.08	27.02.08		
Batch	1	1	1	1	1	1	1	1	1		
Sample Number(s)	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45		
Volatile Organic Compounds (cont)											
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
1,2-Dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
Tetrachloroethene	<1	<1	<1	3	<1	<1	<1	3	380	TM208 [#]	<1 ug/l
1,1,1,2-Tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
p/m-Xylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
1,1,2,2-Tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
o-Xylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
1,2,3-Trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
Isopropylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
Bromobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
2-Chlorotoluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
Propylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
4-Chlorotoluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
1,2,4-Trimethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
4-Isopropyltoluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
1,3,5-Trimethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
1,2-Dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
1,4-Dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
sec-Butylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
tert-Butylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
1,3-Dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
n-Butylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
1,2-Dibromo-3-chloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
1,2,4-Trichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
Naphthalene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l
1,2,3-Trichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l

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Job Number: 08/04170/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: LIQUID
Location: PROJECT ISIS PH2
Client Contact: Neil Johnson

Sample Identity	C12	C13	C19	C23	G1	G5	G6	G8	G9	Method Code	LoD/Units
Depth (m)	1.14	-	2.67	3.10	1.54	1.65	4.57	3.40	-		
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date											
Sample Received Date	27.02.08	27.02.08	27.02.08	27.02.08	27.02.08	27.02.08	27.02.08	27.02.08	27.02.08		
Batch	1	1	1	1	1	1	1	1	1		
Sample Number(s)	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45		
Volatile Organic Compounds (cont)											
Hexachlorobutadiene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 [#]	<1 ug/l

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Job Number: 08/04170/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: LIQUID
Location: PROJECT ISIS PH2
Client Contact: Neil Johnson

Sample Identity											Method Code	LoD/Units
SW1 GL												
Depth (m)	-											
Sample Type	LIQUID											
Sampled Date												
Sample Received Date	27.02.08											
Batch	1											
Sample Number(s)	46-50											
Arsenic Dissolved (ICP-MS)	NDP										TM152 [#]	<1 ug/l
Boron Dissolved (ICP-MS)	NDP										TM152 [#]	<20 ug/l
Cadmium Dissolved (ICP-MS)	NDP										TM152 [#]	<0.5 ug/l
Chromium Dissolved (ICP-MS)	NDP										TM152 [#]	<1 ug/l
Copper Dissolved (ICP-MS)	NDP										TM152 [#]	<1.6 ug/l
Lead Dissolved (ICP-MS)	NDP										TM152 [#]	<0.5 ug/l
Nickel Dissolved (ICP-MS)	NDP										TM152 [#]	<1.5 ug/l
Selenium Dissolved (ICP-MS)	NDP										TM152 [#]	<1 ug/l
Zinc Dissolved (ICP-MS)	NDP										TM152 [#]	<5 ug/l
Mercury Dissolved (CVAF)	NDP										TM183 [#]	<0.01 ug/l

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Job Number: 08/04170/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: LIQUID
Location: PROJECT ISIS PH2
Client Contact: Neil Johnson

Sample Identity	SW1 GL																			Method Code	LoD/Units		
Depth (m)	-																						
Sample Type	LIQUID																						
Sampled Date																							
Sample Received Date	27.02.08																						
Batch	1																						
Sample Number(s)	46-50																						
GRO (C4-C12)	<10																				TM089#	<10 ug/l	
MTBE	<10																					TM089#	<10 ug/l
Benzene	<10																					TM089#	<10 ug/l
Toluene	<10																					TM089#	<10 ug/l
Ethyl benzene	<10																					TM089#	<10 ug/l
m & p Xylene	<10																					TM089#	<10 ug/l
o Xylene	<10																					TM089#	<10 ug/l
Aliphatics C5-C6	<10																					TM089	<10 ug/l
Aliphatics >C6-C8	<10																					TM089	<10 ug/l
Aliphatics >C8-C10	<10																					TM089	<10 ug/l
Aliphatics >C10-C12	<10																					TM089	<10 ug/l
Aliphatics >C12-C16 Aqueous	<10																					TM174	<10 ug/l
Aliphatics >C16-C21 Aqueous	<10																					TM174	<10 ug/l
Aliphatics >C21-C35 Aqueous	<10																					TM174	<10 ug/l
Total Aliphatics C5-C35 Aqueous	<10																					TM61/89	<10 ug/l
Aromatics C6-C7	<10																					TM089#	<10 ug/l
Aromatics >C7-C8	<10																					TM089#	<10 ug/l
Aromatics >EC8-EC10	<10																					TM089	<10 ug/l
Aromatics >EC10-EC12	<10																					TM089	<10 ug/l
Aromatics >EC12-EC16 Aqueous	<10																					TM174	<10 ug/l
Aromatics >EC16-EC21 Aqueous	<10																					TM174	<10 ug/l
Aromatics >EC21-EC35 Aqueous	<10																					TM174	<10 ug/l
Total Aromatics C6-C35 Aqueous	<10																					TM61/89	<10 ug/l
TPH (Aliphatics and Aromatics C5-C35) Aqueous	<10																					TM61/89	<10 ug/l

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Job Number: 08/04170/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: LIQUID
Location: PROJECT ISIS PH2
Client Contact: Neil Johnson

Sample Identity	SW1 GL									Method Code	LoD/Units
Depth (m)	-										
Sample Type	LIQUID										
Sampled Date											
Sample Received Date	27.02.08										
Batch	1										
Sample Number(s)	46-50										
Volatile Organic Compounds											
Dichlorodifluoromethane	<1									TM208 [#]	<1 ug/l
Chloromethane	<1									TM208 [#]	<1 ug/l
Vinyl Chloride	<1									TM208 [#]	<1 ug/l
Bromomethane	<1									TM208 [#]	<1 ug/l
Chloroethane	<1									TM208 [#]	<1 ug/l
Trichlorofluoromethane	<1									TM208 [#]	<1 ug/l
trans-1-2-Dichloroethene	<1									TM208 [#]	<1 ug/l
Dichloromethane	<1									TM208 [#]	<1 ug/l
Carbon Disulphide	<1									TM208 [#]	<1 ug/l
1,1-Dichloroethene	<1									TM208 [#]	<1 ug/l
1,1-Dichloroethane	<1									TM208 [#]	<1 ug/l
Methyl Tertiary Butyl Ether	<1									TM208 [#]	<1 ug/l
cis-1-2-Dichloroethene	<1									TM208 [#]	<1 ug/l
Bromochloromethane	<1									TM208 [#]	<1 ug/l
Chloroform	<1									TM208 [#]	<1 ug/l
2,2-Dichloropropane	<1									TM208 [#]	<1 ug/l
1,2-Dichloroethane	<1									TM208 [#]	<1 ug/l
1,1,1-Trichloroethane	<1									TM208 [#]	<1 ug/l
1,1-Dichloropropene	<1									TM208 [#]	<1 ug/l
Benzene	<1									TM208 [#]	<1 ug/l
Carbontetrachloride	<1									TM208 [#]	<1 ug/l
Dibromomethane	<1									TM208 [#]	<1 ug/l
1,2-Dichloropropane	<1									TM208 [#]	<1 ug/l
Bromodichloromethane	<1									TM208 [#]	<1 ug/l
Trichloroethene	<1									TM208 [#]	<1 ug/l
cis-1-3-Dichloropropene	<1									TM208 [#]	<1 ug/l
trans-1-3-Dichloropropene	<1									TM208 [#]	<1 ug/l
1,1,2-Trichloroethane	<1									TM208 [#]	<1 ug/l
Toluene	<1									TM208 [#]	<1 ug/l
1,3-Dichloropropane	<1									TM208 [#]	<1 ug/l

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Job Number: 08/04170/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: LIQUID
Location: PROJECT ISIS PH2
Client Contact: Neil Johnson

Sample Identity	SW1 GL									Method Code	LoD/Units
Depth (m)	-										
Sample Type	LIQUID										
Sampled Date											
Sample Received Date	27.02.08										
Batch	1										
Sample Number(s)	46-50										
Volatile Organic Compounds (cont)											
Dibromochloromethane	<1									TM208 [#]	<1 ug/l
1,2-Dibromoethane	<1									TM208 [#]	<1 ug/l
Tetrachloroethene	<1									TM208 [#]	<1 ug/l
1,1,1,2-Tetrachloroethane	<1									TM208 [#]	<1 ug/l
Chlorobenzene	<1									TM208 [#]	<1 ug/l
Ethylbenzene	<1									TM208 [#]	<1 ug/l
p/m-Xylene	<1									TM208 [#]	<1 ug/l
Bromoform	<1									TM208 [#]	<1 ug/l
Styrene	<1									TM208 [#]	<1 ug/l
1,1,2,2-Tetrachloroethane	<1									TM208 [#]	<1 ug/l
o-Xylene	<1									TM208 [#]	<1 ug/l
1,2,3-Trichloropropane	<1									TM208 [#]	<1 ug/l
Isopropylbenzene	<1									TM208 [#]	<1 ug/l
Bromobenzene	<1									TM208 [#]	<1 ug/l
2-Chlorotoluene	<1									TM208 [#]	<1 ug/l
Propylbenzene	<1									TM208 [#]	<1 ug/l
4-Chlorotoluene	<1									TM208 [#]	<1 ug/l
1,2,4-Trimethylbenzene	<1									TM208 [#]	<1 ug/l
4-Isopropyltoluene	<1									TM208 [#]	<1 ug/l
1,3,5-Trimethylbenzene	<1									TM208 [#]	<1 ug/l
1,2-Dichlorobenzene	<1									TM208 [#]	<1 ug/l
1,4-Dichlorobenzene	<1									TM208 [#]	<1 ug/l
sec-Butylbenzene	<1									TM208 [#]	<1 ug/l
tert-Butylbenzene	<1									TM208 [#]	<1 ug/l
1,3-Dichlorobenzene	<1									TM208 [#]	<1 ug/l
n-Butylbenzene	<1									TM208 [#]	<1 ug/l
1,2-Dibromo-3-chloropropane	<1									TM208 [#]	<1 ug/l
1,2,4-Trichlorobenzene	<1									TM208 [#]	<1 ug/l
Naphthalene	<1									TM208 [#]	<1 ug/l
1,2,3-Trichlorobenzene	<1									TM208 [#]	<1 ug/l

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Job Number: 08/04170/02/01 **Matrix:** LIQUID
Client: Strata Surveys Ltd **Location:** PROJECT ISIS PH2
Client Ref. No.: 14183 **Client Contact:** Neil Johnson

Sample Identity	SW1 GL											Method Code	LoD/Units
Depth (m)	-												
Sample Type	LIQUID												
Sampled Date													
Sample Received Date	27.02.08												
Batch	1												
Sample Number(s)	46-50												
Volatile Organic Compounds (cont)													
Hexachlorobutadiene	<1											TM208 [#]	<1 ug/l

ALcontrol Laboratories Analytical Services

Table Of Results - Appendix

Job Number: 08/04170/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Report Key :

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

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

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

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample ¹	Surrogate Corrected
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)			NA	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓		NA	
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS	✓		NA	
TM174		Determination of Speciated Extractable Petroleum Hydrocarbons in Waters by GC-FID			NA	
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	✓		NA	
TM208	Modified: US EPA Method 8260b & 624	Determination of Volatile Organic Compounds by Headspace / GC-MS in Waters	✓		NA	
TM61/89		see TM061 and TM089 for details			NA	

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

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ALcontrol Geochem Analytical Services

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: LIQUID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS2 W1										Method Code	LoD/Units
Depth (m)	2.0											
Sample Type	LIQUID											
Sampled Date												
Sample Received Date	12.11.07											
Batch	8											
Sample Number(s)	450-453											
Arsenic Dissolved (ICP-MS)	NDP										TM152 [#]	<1 ug/l
Barium Dissolved (ICP-MS)	NDP										TM152 [#]	<1 ug/l
Beryllium Dissolved (ICP-MS)	NDP										TM152 [#]	<1 ug/l
Boron Dissolved (ICP-MS)	NDP										TM152 [#]	<10 ug/l
Cadmium Dissolved (ICP-MS)	NDP										TM152 [#]	<0.4 ug/l
Chromium Dissolved (ICP-MS)	NDP										TM152 [#]	<1 ug/l
Copper Dissolved (ICP-MS)	NDP										TM152 [#]	<1 ug/l
Lead Dissolved (ICP-MS)	NDP										TM152 [#]	<1 ug/l
Nickel Dissolved (ICP-MS)	NDP										TM152 [#]	<1 ug/l
Selenium Dissolved (ICP-MS)	NDP										TM152 [#]	<1 ug/l
Vanadium Dissolved (ICP-MS)	NDP										TM152 [#]	<1 ug/l
Zinc Dissolved (ICP-MS)	NDP										TM152 [#]	<3 ug/l
Mercury Dissolved (CVAA)	NDP										TM127 [#]	<0.05 ug/l
Thiocyanate	0.06										TM153 [#]	<0.05 mg/l
Total Cyanide	<0.05										TM153 [#]	<0.05 mg/l
Free Cyanide	<0.05										TM153 [#]	<0.05 mg/l
pH Value	7.57										TM133 [#]	<1.00 pH Units

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* Subcontracted test
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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: LIQUID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS2 W1											Method Code	LoD/Units
GRO (C4-C12)	<10											TM089#	<10 ug/l
MTBE	<10											TM089#	<10 ug/l
Benzene	<10											TM089#	<10 ug/l
Toluene	<10											TM089#	<10 ug/l
Ethyl benzene	<10											TM089#	<10 ug/l
m & p Xylene	<10											TM089#	<10 ug/l
o Xylene	<10											TM089#	<10 ug/l
Aliphatics C5-C6	<10											TM089	<10 ug/l
Aliphatics >C6-C8	<10											TM089	<10 ug/l
Aliphatics >C8-C10	<10											TM089	<10 ug/l
Aliphatics >C10-C12	<10											TM089	<10 ug/l
Aliphatics >C12-C16 Aqueous	NDP											TM174	<10 ug/l
Aliphatics >C16-C21 Aqueous	NDP											TM174	<10 ug/l
Aliphatics >C21-C35 Aqueous	NDP											TM174	<10 ug/l
Total Aliphatics C5-C35 Aqueous	NDP											TM61/89	<10 ug/l
Aromatics C6-C7	<10											TM089#	<10 ug/l
Aromatics >C7-C8	<10											TM089#	<10 ug/l
Aromatics >EC8-EC10	<10											TM089	<10 ug/l
Aromatics >EC10-EC12	<10											TM089	<10 ug/l
Aromatics >EC12-EC16 Aqueous	NDP											TM174	<10 ug/l
Aromatics >EC16-EC21 Aqueous	NDP											TM174	<10 ug/l
Aromatics >EC21-EC35 Aqueous	NDP											TM174	<10 ug/l
Total Aromatics C6-C35 Aqueous	NDP											TM61/89	<10 ug/l
TPH (Aliphatics and Aromatics C5-C35) Aqueous	NDP											TM61/89	<10 ug/l

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: LIQUID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS2 W1											Method Code	LoD/Units
Depth (m)	2.0												
Sample Type	LIQUID												
Sampled Date													
Sample Received Date	12.11.07												
Batch	8												
Sample Number(s)	450-453												
PAH by GCMS													
Naphthalene Aqueous	NDP											TM074	<26 ng/l
Acenaphthylene Aqueous	NDP											TM074	<11 ng/l
Acenaphthene Aqueous	NDP											TM074	<15 ng/l
Fluorene Aqueous	NDP											TM074	<14 ng/l
Phenanthrene Aqueous	NDP											TM074	<22 ng/l
Anthracene Aqueous	NDP											TM074	<15 ng/l
Fluoranthene Aqueous	NDP											TM074	<17 ng/l
Pyrene Aqueous	NDP											TM074	<15 ng/l
Benz(a)anthracene Aqueous	NDP											TM074	<17 ng/l
Chrysene Aqueous	NDP											TM074	<13 ng/l
Benzo(b)fluoranthene Aqueous	NDP											TM074	<23 ng/l
Benzo(k)fluoranthene Aqueous	NDP											TM074	<27 ng/l
Benzo(a)pyrene Aqueous	NDP											TM074	<9 ng/l
Indeno(123cd)pyrene Aqueous	NDP											TM074	<14 ng/l
Dibenzo(ah)anthracene Aqueous	NDP											TM074	<16 ng/l
Benzo(ghi)perylene Aqueous	NDP											TM074	<16 ng/l
PAH 16 Total Aqueous	NDP											TM074	<27 ng/l

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: LIQUID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS2 W1											
Depth (m)	2.0										Method Code	LoD/Units
Sample Type	LIQUID											
Sampled Date												
Sample Received Date	12.11.07											
Batch	8											
Sample Number(s)	450-453											
SVOC by GCMS												
Phenols												
2-Chlorophenol	NDP										TM176	<1 ug/l
2-Methylphenol	NDP										TM176	<1 ug/l
2-Nitrophenol	NDP										TM176	<1 ug/l
2,4-Dichlorophenol	NDP										TM176	<1 ug/l
2,4-Dimethylphenol	NDP										TM176	<1 ug/l
2,4,5-Trichlorophenol	NDP										TM176	<1 ug/l
2,4,6-Trichlorophenol	NDP										TM176	<1 ug/l
4-Chloro-3-methylphenol	NDP										TM176	<1 ug/l
4-Methylphenol	NDP										TM176	<1 ug/l
4-Nitrophenol	NDP										TM176	<1 ug/l
Pentachlorophenol	NDP										TM176	<1 ug/l
Phenol	NDP										TM176	<1 ug/l

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: LIQUID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS2 W1											Method Code	LoD/Units
Depth (m)	2.0												
Sample Type	LIQUID												
Sampled Date													
Sample Received Date	12.11.07												
Batch	8												
Sample Number(s)	450-453												
PAHs													
2-Chloronaphthalene	NDP											TM176	<1 ug/l
2-Methylnaphthalene	NDP											TM176	<1 ug/l
Phthalates													
Bis(2-ethylhexyl) phthalate	NDP											TM176	<2 ug/l
Butylbenzyl phthalate	NDP											TM176	<1 ug/l
Di-n-butyl phthalate	NDP											TM176	<1 ug/l
Di-n-Octyl phthalate	NDP											TM176	<5 ug/l
Diethyl phthalate	NDP											TM176	<1 ug/l
Dimethyl phthalate	NDP											TM176	<1 ug/l
Other Semi-volatiles													
1,2-Dichlorobenzene	NDP											TM176	<1 ug/l
1,2,4-Trichlorobenzene	NDP											TM176	<1 ug/l
1,3-Dichlorobenzene	NDP											TM176	<1 ug/l
1,4-Dichlorobenzene	NDP											TM176	<1 ug/l
2-Nitroaniline	NDP											TM176	<1 ug/l
2,4-Dinitrotoluene	NDP											TM176	<1 ug/l
2,6-Dinitrotoluene	NDP											TM176	<1 ug/l
3-Nitroaniline	NDP											TM176	<1 ug/l
4-Bromophenylphenylether	NDP											TM176	<1 ug/l
4-Chloroaniline	NDP											TM176	<1 ug/l
4-Chlorophenylphenylether	NDP											TM176	<1 ug/l
4-Nitroaniline	NDP											TM176	<1 ug/l
Azobenzene	NDP											TM176	<1 ug/l
Bis(2-chloroethoxy)methane	NDP											TM176	<1 ug/l
Bis(2-chloroethyl)ether	NDP											TM176	<1 ug/l
Carbazole	NDP											TM176	<1 ug/l
Dibenzofuran	NDP											TM176	<1 ug/l
Hexachlorobenzene	NDP											TM176	<1 ug/l

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: LIQUID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS2 W1													
Depth (m)	2.0													
Sample Type	LIQUID													
Sampled Date														
Sample Received Date	12.11.07													
Batch	8													
Sample Number(s)	450-453													
Other Semi-volatiles (cont)														
Hexachlorobutadiene	NDP												TM176	<1 ug/l
Hexachlorocyclopentadiene	NDP												TM176	<1 ug/l
Hexachloroethane	NDP												TM176	<1 ug/l
Isophorone	NDP												TM176	<1 ug/l
N-nitrosodi-n-propylamine	NDP												TM176	<1 ug/l
Nitrobenzene	NDP												TM176	<1 ug/l

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: LIQUID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS2 W1											Method Code	LoD/Units
Depth (m)	2.0												
Sample Type	LIQUID												
Sampled Date													
Sample Received Date	12.11.07												
Batch	8												
Sample Number(s)	450-453												
Volatile Organic Compounds													
Dichlorodifluoromethane	<1											TM116 [#]	<1 ug/l
Chloromethane	<1											TM116 [#]	<1 ug/l
Vinyl Chloride	<1											TM116 [#]	<1 ug/l
Bromomethane	<1											TM116 [#]	<1 ug/l
Chloroethane	<1											TM116 [#]	<1 ug/l
Trichlorofluoromethane	<1											TM116 [#]	<1 ug/l
trans-1-2-Dichloroethene	<1											TM116 [#]	<1 ug/l
Dichloromethane	<1											TM116 [#]	<1 ug/l
Carbon Disulphide	<1											TM116 [#]	<1 ug/l
1,1-Dichloroethene	<1											TM116 [#]	<1 ug/l
1,1-Dichloroethane	<1											TM116 [#]	<1 ug/l
Methyl Tertiary Butyl Ether	<1											TM116 [#]	<1 ug/l
cis-1-2-Dichloroethene	<1											TM116 [#]	<1 ug/l
Bromochloromethane	<1											TM116 [#]	<1 ug/l
Chloroform	<1											TM116 [#]	<1 ug/l
2,2-Dichloropropane	<1											TM116 [#]	<1 ug/l
1,2-Dichloroethane	<1											TM116 [#]	<1 ug/l
1,1,1-Trichloroethane	<1											TM116 [#]	<1 ug/l
1,1-Dichloropropene	<1											TM116 [#]	<1 ug/l
Benzene	<1											TM116 [#]	<1 ug/l
Carbontetrachloride	<1											TM116 [#]	<1 ug/l
Dibromomethane	<1											TM116 [#]	<1 ug/l
1,2-Dichloropropane	<1											TM116 [#]	<1 ug/l
Bromodichloromethane	<1											TM116 [#]	<1 ug/l
Trichloroethene	<1											TM116 [#]	<1 ug/l
cis-1-3-Dichloropropene	<1											TM116 [#]	<1 ug/l
trans-1-3-Dichloropropene	<1											TM116 [#]	<1 ug/l
1,1,2-Trichloroethane	<1											TM116 [#]	<1 ug/l
Toluene	<1											TM116 [#]	<1 ug/l
1,3-Dichloropropane	<1											TM116 [#]	<1 ug/l

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: LIQUID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS2 W1									Method Code	LoD/Units
Depth (m)	2.0										
Sample Type	LIQUID										
Sampled Date											
Sample Received Date	12.11.07										
Batch	8										
Sample Number(s)	450-453										
Volatile Organic Compounds (cont)											
Dibromochloromethane	<1									TM116 [#]	<1 ug/l
1,2-Dibromoethane	<1									TM116 [#]	<1 ug/l
Tetrachloroethene	<1									TM116 [#]	<1 ug/l
1,1,1,2-Tetrachloroethane	<1									TM116 [#]	<1 ug/l
Chlorobenzene	<1									TM116 [#]	<1 ug/l
Ethylbenzene	<1									TM116 [#]	<1 ug/l
p/m-Xylene	<1									TM116 [#]	<1 ug/l
Bromoform	<1									TM116 [#]	<1 ug/l
Styrene	<1									TM116 [#]	<1 ug/l
1,1,2,2-Tetrachloroethane	<1									TM116 [#]	<1 ug/l
o-Xylene	<1									TM116 [#]	<1 ug/l
1,2,3-Trichloropropane	<1									TM116 [#]	<1 ug/l
Isopropylbenzene	<1									TM116 [#]	<1 ug/l
Bromobenzene	<1									TM116 [#]	<1 ug/l
2-Chlorotoluene	<1									TM116 [#]	<1 ug/l
Propylbenzene	<1									TM116 [#]	<1 ug/l
4-Chlorotoluene	<1									TM116 [#]	<1 ug/l
1,2,4-Trimethylbenzene	<1									TM116 [#]	<1 ug/l
4-Isopropyltoluene	<1									TM116 [#]	<1 ug/l
1,3,5-Trimethylbenzene	<1									TM116 [#]	<1 ug/l
1,2-Dichlorobenzene	<1									TM116 [#]	<1 ug/l
1,4-Dichlorobenzene	<1									TM116 [#]	<1 ug/l
sec-Butylbenzene	<1									TM116 [#]	<1 ug/l
tert-Butylbenzene	<1									TM116 [#]	<1 ug/l
1,3-Dichlorobenzene	<1									TM116 [#]	<1 ug/l
n-Butylbenzene	<1									TM116 [#]	<1 ug/l
1,2-Dibromo-3-chloropropane	<1									TM116 [#]	<1 ug/l
1,2,4-Trichlorobenzene	<1									TM116 [#]	<1 ug/l
Naphthalene	<1									TM116 [#]	<1 ug/l
1,2,3-Trichlorobenzene	<1									TM116 [#]	<1 ug/l

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ALcontrol Geochem Analytical Services

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Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: LIQUID
Location: PROJECT ISIS PHASE 2
Client Contact: Neil Johnson

Sample Identity	KS2 W1										Method Code	LoD/Units
Depth (m)	2.0											
Sample Type	LIQUID											
Sampled Date												
Sample Received Date	12.11.07											
Batch	8											
Sample Number(s)	450-453											
Volatile Organic Compounds (cont)												
Hexachlorobutadiene	<1										TM116 [#]	<1 ug/l

Date 28.11.2007

ALcontrol Geochem Analytical Services

Table Of Results - Appendix

Job Number: 07/18158/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Report Key :

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

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

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

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample ¹	Surrogate Corrected
TM074	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS. MCERTS Accreditation on Soils for Naphthalene except when Kerosene present.			NA	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)			NA	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓		NA	
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS	✓		NA	
TM127	Method 3112B, AWWA/APHA, 20th Ed., 1999	The Determination of Trace Level Mercury in Aqueous Media and Soil Extracts by Atomic Absorption Spectroscopy	✓		NA	
TM133	BS 1377: Part 3 1990	Determination of pH in Soil and Water using the GLpH pH Meter	✓		NA	
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS	✓		NA	
TM153	Method 4500A,B,C, I, M AWWA/APHA, 20th Ed., 1999	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate using the "Skalar SANS+ System" Segmented Flow Analyser	✓		NA	
TM174		Determination of Speciated Extractable Petroleum Hydrocarbons in Waters by GC-FID			NA	
TM176		Determination of SVOCs in Water by GCMS			NA	
TM61/89		see TM061 and TM089 for details			NA	

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

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Job Number: 08/07599/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: LIQUID
Location: EFW PLANT
Client Contact: Neil Johnson

Sample Identity	BH KS01										Method Code	LoD/Units
Depth (m)	9.15											
Sample Type	LIQUID											
Sampled Date												
Sample Received Date	21.04.08											
Batch	1											
Sample Number(s)	1-4											
Arsenic Total (HNO3 Digest)	5										TM152	<1 ug/l
Boron Total (HNO3 Digest)	<10										TM152	<10 ug/l
Cadmium Total (HNO3 Digest)	<0.4										TM152	<0.4 ug/l
Chromium Total (HNO3 Digest)	14										TM152	<1 ug/l
Copper Total (HNO3 Digest)	14										TM152	<1 ug/l
Lead Total (HNO3 Digest)	5										TM152	<1 ug/l
Nickel Total (HNO3 Digest)	5										TM152	<1 ug/l
Selenium Total (HNO3 Digest)	2										TM152	<1 ug/l
Zinc Total (HNO3 Digest)	82										TM152	<3 ug/l
Mercury Dissolved (CVAF)	<0.01										TM183 [#]	<0.01 ug/l

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Job Number: 08/07599/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183
Matrix: LIQUID
Location: EFW PLANT
Client Contact: Neil Johnson

Sample Identity	BH KS01									Method Code	LoD/Units
Depth (m)	9.15										
Sample Type	LIQUID										
Sampled Date											
Sample Received Date	21.04.08										
Batch	1										
Sample Number(s)	1-4										
GRO (C4-C12)	42									TM089 [#]	<10 ug/l
MTBE	<10									TM089 [#]	<10 ug/l
Benzene	<10									TM089 [#]	<10 ug/l
Toluene	<10									TM089 [#]	<10 ug/l
Ethyl benzene	<10									TM089 [#]	<10 ug/l
m & p Xylene	<10									TM089 [#]	<10 ug/l
o Xylene	<10									TM089 [#]	<10 ug/l
Aliphatics C5-C6	<10									TM089	<10 ug/l
Aliphatics >C6-C8	42									TM089	<10 ug/l
Aliphatics >C8-C10	<10									TM089	<10 ug/l
Aliphatics >C10-C12	<10									TM089	<10 ug/l
Aliphatics >C12-C16 Aqueous	<10									TM174	<10 ug/l
Aliphatics >C16-C21 Aqueous	<10									TM174	<10 ug/l
Aliphatics >C21-C35 Aqueous	150									TM174	<10 ug/l
Total Aliphatics C5-C35 Aqueous	190									TM61/89	<10 ug/l
Aromatics C6-C7	<10									TM089 [#]	<10 ug/l
Aromatics >C7-C8	<10									TM089 [#]	<10 ug/l
Aromatics >EC8-EC10	<10									TM089	<10 ug/l
Aromatics >EC10-EC12	<10									TM089	<10 ug/l
Aromatics >EC12-EC16 Aqueous	<10									TM174	<10 ug/l
Aromatics >EC16-EC21 Aqueous	<10									TM174	<10 ug/l
Aromatics >EC21-EC35 Aqueous	94									TM174	<10 ug/l
Total Aromatics C6-C35 Aqueous	94									TM61/89	<10 ug/l
TPH (Aliphatics and Aromatics C5-C35) Aqueous	290									TM61/89	<10 ug/l

Date 01.05.2008

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Job Number: 08/07599/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: LIQUID
Location: EFW PLANT
Client Contact: Neil Johnson

Sample Identity	BH KS01											Method Code	LoD/Units
Depth (m)	9.15												
Sample Type	LIQUID												
Sampled Date													
Sample Received Date	21.04.08												
Batch	1												
Sample Number(s)	1-4												
Volatile Organic Compounds													
Dichlorodifluoromethane	<0.9											TM208 [#]	<0.9 ug/l
Chloromethane	<1.4											TM208 [#]	<1.4 ug/l
Vinyl Chloride	<1											TM208 [#]	<1 ug/l
Bromomethane	<1.5											TM208 [#]	<1.5 ug/l
Chloroethane	<2.4											TM208 [#]	<2.4 ug/l
Trichlorofluoromethane	<1.6											TM208 [#]	<1.6 ug/l
trans-1-2-Dichloroethene	<1.7											TM208 [#]	<1.7 ug/l
Dichloromethane	<3.2											TM208 [#]	<3.2 ug/l
Carbon Disulphide	<1.5											TM208 [#]	<1.5 ug/l
1,1-Dichloroethene	<1.4											TM208 [#]	<1.4 ug/l
1,1-Dichloroethane	<1.2											TM208 [#]	<1.2 ug/l
Methyl Tertiary Butyl Ether	<2											TM208 [#]	<2 ug/l
cis-1-2-Dichloroethene	<2											TM208 [#]	<2 ug/l
Bromochloromethane	<1.8											TM208 [#]	<1.8 ug/l
Chloroform	12											TM208 [#]	<1.6 ug/l
2,2-Dichloropropane	<1.4											TM208	<1.4 ug/l
1,2-Dichloroethane	<3.5											TM208 [#]	<3.5 ug/l
1,1,1-Trichloroethane	<1.3											TM208 [#]	<1.3 ug/l
1,1-Dichloropropene	<1.4											TM208 [#]	<1.4 ug/l
Benzene	<1.2											TM208 [#]	<1.2 ug/l
Carbontetrachloride	<1.4											TM208 [#]	<1.4 ug/l
Dibromomethane	<2.8											TM208 [#]	<2.8 ug/l
1,2-Dichloropropane	<2.8											TM208 [#]	<2.8 ug/l
Bromodichloromethane	8.9											TM208 [#]	<1.1 ug/l
Trichloroethene	<2.3											TM208 [#]	<2.3 ug/l
cis-1-3-Dichloropropene	<1.9											TM208 [#]	<1.9 ug/l
trans-1-3-Dichloropropene	<2.9											TM208 [#]	<2.9 ug/l
1,1,2-Trichloroethane	<2											TM208 [#]	<2 ug/l
Toluene	4.6											TM208 [#]	<1.1 ug/l
1,3-Dichloropropane	<1.9											TM208 [#]	<1.9 ug/l

Date 01.05.2008

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Job Number: 08/07599/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: LIQUID
Location: EFW PLANT
Client Contact: Neil Johnson

Sample Identity	BH KS01									Method Code	LoD/Units
Depth (m)	9.15										
Sample Type	LIQUID										
Sampled Date											
Sample Received Date	21.04.08										
Batch	1										
Sample Number(s)	1-4										
Volatile Organic Compounds (cont)											
Dibromochloromethane	10									TM208 [#]	<1.7 ug/l
1,2-Dibromoethane	<2.2									TM208 [#]	<2.2 ug/l
Tetrachloroethene	<1.6									TM208 [#]	<1.6 ug/l
1,1,1,2-Tetrachloroethane	<1.4									TM208 [#]	<1.4 ug/l
Chlorobenzene	<3.5									TM208 [#]	<3.5 ug/l
Ethylbenzene	<1.5									TM208 [#]	<1.5 ug/l
p/m-Xylene	<1.7									TM208 [#]	<1.7 ug/l
Bromoform	<3									TM208 [#]	<3 ug/l
Styrene	<0.9									TM208 [#]	<0.9 ug/l
1,1,2,2-Tetrachloroethane	<4.4									TM208 [#]	<4.4 ug/l
o-Xylene	<1.3									TM208 [#]	<1.3 ug/l
1,2,3-Trichloropropane	<8.6									TM208 [#]	<8.6 ug/l
Isopropylbenzene	<1.6									TM208 [#]	<1.6 ug/l
Bromobenzene	<1.1									TM208 [#]	<1.1 ug/l
2-Chlorotoluene	<1.7									TM208 [#]	<1.7 ug/l
Propylbenzene	<2.5									TM208 [#]	<2.5 ug/l
4-Chlorotoluene	<1.7									TM208 [#]	<1.7 ug/l
1,2,4-Trimethylbenzene	<1.4									TM208 [#]	<1.4 ug/l
4-Isopropyltoluene	<2.5									TM208 [#]	<2.5 ug/l
1,3,5-Trimethylbenzene	<1.4									TM208 [#]	<1.4 ug/l
1,2-Dichlorobenzene	<2.6									TM208 [#]	<2.6 ug/l
1,4-Dichlorobenzene	<1.4									TM208 [#]	<1.4 ug/l
sec-Butylbenzene	<1.1									TM208 [#]	<1.1 ug/l
tert-Butylbenzene	<1.5									TM208 [#]	<1.5 ug/l
1,3-Dichlorobenzene	<1.8									TM208 [#]	<1.8 ug/l
n-Butylbenzene	<1.8									TM208 [#]	<1.8 ug/l
1,2-Dibromo-3-chloropropane	<9.9									TM208 [#]	<9.9 ug/l
1,2,4-Trichlorobenzene	<1.5									TM208 [#]	<1.5 ug/l
Naphthalene	<3.6									TM208 [#]	<3.6 ug/l
1,2,3-Trichlorobenzene	<2.8									TM208 [#]	<2.8 ug/l

Date 01.05.2008

Validated
 Preliminary

ALcontrol Laboratories Analytical Services

Table Of Results

ISO 17025 accredited
 M MCERTS accredited
 * Subcontracted test
 » Shown on prev. report

Job Number: 08/07599/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: LIQUID
Location: EFW PLANT
Client Contact: Neil Johnson

Sample Identity	BH KS01										Method Code	LoD/Units
Depth (m)	9.15											
Sample Type	LIQUID											
Sampled Date												
Sample Received Date	21.04.08											
Batch	1											
Sample Number(s)	1-4											
Volatile Organic Compounds (cont)												
Hexachlorobutadiene	<2.5										TM208 [#]	<2.5 ug/l

ALcontrol Laboratories Analytical Services

Table Of Results - Appendix

Job Number: 08/07599/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Report Key :

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

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

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

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample ¹	Surrogate Corrected
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)			NA	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓		NA	
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS			NA	
TM174		Determination of Speciated Extractable Petroleum Hydrocarbons in Waters by GC-FID			NA	
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	✓		NA	
TM208	Modified: US EPA Method 8260b & 624	Determination of Volatile Organic Compounds by Headspace / GC-MS in Waters			NA	
TM208	Modified: US EPA Method 8260b & 624	Determination of Volatile Organic Compounds by Headspace / GC-MS in Waters	✓		NA	
TM61/89		see TM061 and TM089 for details			NA	

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

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Preliminary

ALcontrol Laboratories Analytical Services

Table Of Results

ISO 17025 accredited
M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 08/07599/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: LIQUID
Location: EFW PLANT
Client Contact: Neil Johnson

Sample Identity	BH KS01									Method Code	LoD/Units
Depth (m)	9.15										
Sample Type	LIQUID										
Sampled Date											
Sample Received Date	21.04.08										
Batch	1										
Sample Number(s)	1-4										
GRO (C4-C12)	42									TM089 [#]	<10 ug/l
MTBE	<10									TM089 [#]	<10 ug/l
Benzene	<10									TM089 [#]	<10 ug/l
Toluene	<10									TM089 [#]	<10 ug/l
Ethyl benzene	<10									TM089 [#]	<10 ug/l
m & p Xylene	<10									TM089 [#]	<10 ug/l
o Xylene	<10									TM089 [#]	<10 ug/l
Aliphatics C5-C6	<10									TM089	<10 ug/l
Aliphatics >C6-C8	42									TM089	<10 ug/l
Aliphatics >C8-C10	<10									TM089	<10 ug/l
Aliphatics >C10-C12	<10									TM089	<10 ug/l
Aliphatics >C12-C16 Aqueous	<10									TM174	<10 ug/l
Aliphatics >C16-C21 Aqueous	<10									TM174	<10 ug/l
Aliphatics >C21-C35 Aqueous	150									TM174	<10 ug/l
Total Aliphatics C5-C35 Aqueous	190									TM61/89	<10 ug/l
Aromatics C6-C7	<10									TM089 [#]	<10 ug/l
Aromatics >C7-C8	<10									TM089 [#]	<10 ug/l
Aromatics >EC8-EC10	<10									TM089	<10 ug/l
Aromatics >EC10-EC12	<10									TM089	<10 ug/l
Aromatics >EC12-EC16 Aqueous	<10									TM174	<10 ug/l
Aromatics >EC16-EC21 Aqueous	<10									TM174	<10 ug/l
Aromatics >EC21-EC35 Aqueous	94									TM174	<10 ug/l
Total Aromatics C6-C35 Aqueous	94									TM61/89	<10 ug/l
TPH (Aliphatics and Aromatics C5-C35) Aqueous	290									TM61/89	<10 ug/l

Date 01.05.2008

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 Preliminary

ALcontrol Laboratories Analytical Services

Table Of Results

ISO 17025 accredited
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 * Subcontracted test
 » Shown on prev. report

Job Number: 08/07599/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: LIQUID
Location: EFW PLANT
Client Contact: Neil Johnson

Sample Identity	BH KS01										Method Code	LoD/Units
Depth (m)	9.15											
Sample Type	LIQUID											
Sampled Date												
Sample Received Date	21.04.08											
Batch	1											
Sample Number(s)	1-4											
Volatile Organic Compounds												
Dichlorodifluoromethane	<0.9										TM208 [#]	<0.9 ug/l
Chloromethane	<1.4										TM208 [#]	<1.4 ug/l
Vinyl Chloride	<1										TM208 [#]	<1 ug/l
Bromomethane	<1.5										TM208 [#]	<1.5 ug/l
Chloroethane	<2.4										TM208 [#]	<2.4 ug/l
Trichlorofluoromethane	<1.6										TM208 [#]	<1.6 ug/l
trans-1-2-Dichloroethene	<1.7										TM208 [#]	<1.7 ug/l
Dichloromethane	<3.2										TM208 [#]	<3.2 ug/l
Carbon Disulphide	<1.5										TM208 [#]	<1.5 ug/l
1,1-Dichloroethene	<1.4										TM208 [#]	<1.4 ug/l
1,1-Dichloroethane	<1.2										TM208 [#]	<1.2 ug/l
Methyl Tertiary Butyl Ether	<2										TM208 [#]	<2 ug/l
cis-1-2-Dichloroethene	<2										TM208 [#]	<2 ug/l
Bromochloromethane	<1.8										TM208 [#]	<1.8 ug/l
Chloroform	12										TM208 [#]	<1.6 ug/l
2,2-Dichloropropane	<1.4										TM208	<1.4 ug/l
1,2-Dichloroethane	<3.5										TM208 [#]	<3.5 ug/l
1,1,1-Trichloroethane	<1.3										TM208 [#]	<1.3 ug/l
1,1-Dichloropropene	<1.4										TM208 [#]	<1.4 ug/l
Benzene	<1.2										TM208 [#]	<1.2 ug/l
Carbontetrachloride	<1.4										TM208 [#]	<1.4 ug/l
Dibromomethane	<2.8										TM208 [#]	<2.8 ug/l
1,2-Dichloropropane	<2.8										TM208 [#]	<2.8 ug/l
Bromodichloromethane	8.9										TM208 [#]	<1.1 ug/l
Trichloroethene	<2.3										TM208 [#]	<2.3 ug/l
cis-1-3-Dichloropropene	<1.9										TM208 [#]	<1.9 ug/l
trans-1-3-Dichloropropene	<2.9										TM208 [#]	<2.9 ug/l
1,1,2-Trichloroethane	<2										TM208 [#]	<2 ug/l
Toluene	4.6										TM208 [#]	<1.1 ug/l
1,3-Dichloropropane	<1.9										TM208 [#]	<1.9 ug/l

Date 01.05.2008

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ALcontrol Laboratories Analytical Services

Table Of Results

ISO 17025 accredited
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* Subcontracted test
» Shown on prev. report

Job Number: 08/07599/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Matrix: LIQUID
Location: EFW PLANT
Client Contact: Neil Johnson

Sample Identity	BH KS01											Method Code	LoD/Units
Depth (m)	9.15												
Sample Type	LIQUID												
Sampled Date													
Sample Received Date	21.04.08												
Batch	1												
Sample Number(s)	1-4												
Volatile Organic Compounds (cont)													
Dibromochloromethane	10											TM208 [#]	<1.7 ug/l
1,2-Dibromoethane	<2.2											TM208 [#]	<2.2 ug/l
Tetrachloroethene	<1.6											TM208 [#]	<1.6 ug/l
1,1,1,2-Tetrachloroethane	<1.4											TM208 [#]	<1.4 ug/l
Chlorobenzene	<3.5											TM208 [#]	<3.5 ug/l
Ethylbenzene	<1.5											TM208 [#]	<1.5 ug/l
p/m-Xylene	<1.7											TM208 [#]	<1.7 ug/l
Bromoform	<3											TM208 [#]	<3 ug/l
Styrene	<0.9											TM208 [#]	<0.9 ug/l
1,1,2,2-Tetrachloroethane	<4.4											TM208 [#]	<4.4 ug/l
o-Xylene	<1.3											TM208 [#]	<1.3 ug/l
1,2,3-Trichloropropane	<8.6											TM208 [#]	<8.6 ug/l
Isopropylbenzene	<1.6											TM208 [#]	<1.6 ug/l
Bromobenzene	<1.1											TM208 [#]	<1.1 ug/l
2-Chlorotoluene	<1.7											TM208 [#]	<1.7 ug/l
Propylbenzene	<2.5											TM208 [#]	<2.5 ug/l
4-Chlorotoluene	<1.7											TM208 [#]	<1.7 ug/l
1,2,4-Trimethylbenzene	<1.4											TM208 [#]	<1.4 ug/l
4-Isopropyltoluene	<2.5											TM208 [#]	<2.5 ug/l
1,3,5-Trimethylbenzene	<1.4											TM208 [#]	<1.4 ug/l
1,2-Dichlorobenzene	<2.6											TM208 [#]	<2.6 ug/l
1,4-Dichlorobenzene	<1.4											TM208 [#]	<1.4 ug/l
sec-Butylbenzene	<1.1											TM208 [#]	<1.1 ug/l
tert-Butylbenzene	<1.5											TM208 [#]	<1.5 ug/l
1,3-Dichlorobenzene	<1.8											TM208 [#]	<1.8 ug/l
n-Butylbenzene	<1.8											TM208 [#]	<1.8 ug/l
1,2-Dibromo-3-chloropropane	<9.9											TM208 [#]	<9.9 ug/l
1,2,4-Trichlorobenzene	<1.5											TM208 [#]	<1.5 ug/l
Naphthalene	<3.6											TM208 [#]	<3.6 ug/l
1,2,3-Trichlorobenzene	<2.8											TM208 [#]	<2.8 ug/l

Date 01.05.2008

ALcontrol Laboratories Analytical Services

Table Of Results - Appendix

Job Number: 08/07599/02/01
Client: Strata Surveys Ltd
Client Ref. No.: 14183

Report Key :

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

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

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

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample ¹	Surrogate Corrected
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)			NA	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓		NA	
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS			NA	
TM174		Determination of Speciated Extractable Petroleum Hydrocarbons in Waters by GC-FID			NA	
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	✓		NA	
TM208	Modified: US EPA Method 8260b & 624	Determination of Volatile Organic Compounds by Headspace / GC-MS in Waters			NA	
TM208	Modified: US EPA Method 8260b & 624	Determination of Volatile Organic Compounds by Headspace / GC-MS in Waters	✓		NA	
TM61/89		see TM061 and TM089 for details			NA	

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

