



PROJECT No: 51576-00

DATE: 09/01/2013

EASTING: 535321.83

SITE: Tottenham

LOGGED BY: SM

NORTHING: 191311.44

CLIENT: NGET

CONTRACTOR: CCGI

ELEVATION: 10.79 mAOD

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
					0.15	Reinforced concrete			
					0.25	MADE GROUND: Loose yellow grey gravelly sand. Gravel is medium - coarse, angular fragments of sandstone (Sub-base)	2.8 ppm	BH12-01/1	0.3 - 0.5 m
1					1.20	MADE GROUND: Medium dense, dark brown, slightly silty, gravelly sand. Sand is fine to coarse. Gravel is fine to coarse, angular to sub-rounded fragments of brick, concrete and sandstone with fragments of metal and glass. Slight hydrocarbon odour.	180 ppm		1.0 m
2					2.30	MADE GROUND: Dense, dark brown to black, silty, gravelly, sand. Gravel is fine to coarse, angular to sub-angular fragments of metal, brick, concrete and glass. Hydrocarbon odour.	1100 ppm	BH12-01/2	2.0 - 2.2 m
					2.55	MADE GROUND: Compact, dark brown to black, sandy, gravelly, slightly clayey silt. Gravel is fine to medium, angular to sub-angular fragments of stone. Strong hydrocarbon odour.			
3		2.7 m			3.10	MADE GROUND: Firm, light grey to brown, gravelly clay. Gravel is fine, angular to sub-angular. Hydrocarbon odour and slight staining of oil in clay.	200 ppm	BH12-01/3	3.0 m
		2.8 m			4.00	MADE GROUND: Compact black sandy, gravelly silt. Gravel is fine to coarse, angular fragments of stone and glass. Strong hydrocarbon odour and hydrocarbon staining.			3.15 - 3.35 m
4					4.00	Loose grey brown, sandy GRAVEL. Gravel is fine to coarse, angular to rounded, poorly sorted. Sand is angular to sub-angular and coarse. (RIVER TERRACE GRAVEL).	1900 ppm		4.0 m
5					6.25		700 ppm		5.5 m
6						Stiff, grey brown CLAY. (LONDON CLAY)	120 ppm		6.5 m
7		6.5 m					0.8 ppm		7.5 m
		6.6m			8.00	Borehole terminated at 8.0 mbgl in London Clay. Cased to 7.0 mbgl.			

NOTES

Hand dug pit to 1.3 mbgl. Probed to 1.5 mbgl.
Water strike at 3.5 mbgl
Strong odour in pit (tar smell not like gasworks)
Poor recovery of gravel but collapsed back on runs of clay.

Descriptions are based on observations and hand testing of grab samples.
Mechanical tests were not performed unless otherwise stated.

▽ Water Strike
▼ Rest Groundwater Level

Drilling Method: Dynamic Rotary
Borehole Diameter: 140 mm to 70 mbgl 128 to 8 mbgl
Screen Material: HDPE
Screen Diameter: 53 mm
Screen Slot Size: 0.75 mm
Sand Particle Size: 1-3 mm
All depths shown in metres below ground level.



PROJECT No: 51576-00

DATE: 08/01/2013

EASTING:

SITE: Tottenham

LOGGED BY: SM

NORTHING:

CLIENT: NGET

CONTRACTOR: CCGI

ELEVATION:

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
					0.20	Asphalt skin across surface.			
						Concrete			
					0.53	MADE GROUND: Loose, dark brown, clayey, gravelly sand. Sand is angular. Gravel is medium to coarse, angular to well rounded fragments of brick, concrete and sandstone. Frequent cobbles of brick and concrete. Hydrocarbon odour in pit.			
1						Borehole terminated at 0.53 mbgl due to a concrete obstruction. (Sloping)			
						0.53 m			
2									
3									
4									
5									
6									
7									

NOTES

Borehole was terminated as a large concrete block was found in the base of the pit at 0.53 mbgl

Descriptions are based on observations and hand testing of grab samples.
Mechanical tests were not performed unless otherwise stated.

▽ Water Strike
▼ Rest Groundwater Level

Drilling Method: Hand dug

Borehole Diameter: -

Screen Material: -

Screen Diameter: -

Screen Slot Size: -

Sand Particle Size: -

All depths shown in metres below ground level.



PROJECT No: 51576-00

DATE: 08/01/2013

EASTING:

SITE: Tottenham

LOGGED BY: SM

NORTHING:

CLIENT: NGET

CONTRACTOR: CCGI

ELEVATION:

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
					0.20	Asphalt skin across surface			
						Concrete			
					0.70	MADE GROUND: Loose, dark brown clayey, gravelly sand. Sand is angular. Gravel is medium to coarse, angular to well rounded fragments of brick, concrete and sandstone. Frequent cobbles of brick or concrete. Slight hydrocarbon odour from pit.	19 ppm		0.3 - 0.5 m
1						Borehole terminated at 0.7 mbgl due to a concrete obstruction in the ground. Obstruction is sloping so is more likely dumped in ground.			
						0.7 m			
2									
3									
4									
5									
6									
7									

NOTES

Borehole repositioned as obstruction found in BH12-02.

Borehole terminated at 0.70 mbgl on concrete block in ground.

Descriptions are based on observations and hand testing of grab samples.
Mechanical tests were not performed unless otherwise stated.

 Water Strike
 Rest Groundwater Level

Drilling Method: Hand dug

Borehole Diameter: -

Screen Material: -

Screen Diameter: -

Screen Slot Size: -

Sand Particle Size: -

All depths shown in metres below ground level.



PROJECT No: 51576-00

DATE: 08/01/2013

EASTING:

SITE: Tottenham

LOGGED BY: SM

NORTHING:

CLIENT: NGET

CONTRACTOR: CCGI

ELEVATION:

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
					0.20	Asphalt skin across surface		BH12-02B/1	0.3 m
					0.30	Concrete (with reinforcement)			
						MADE GROUND: Loose dark brown, clayey, gravelly sand. Sand is angular. Gravel is medium to coarse, angular to rounded fragments of brick, concrete and sandstone. Potential asbestos containing material found at 0.3 mbgl. Borehole terminated at 0.3 mbgl due to presence of asbestos containing material (Sample taken)			
1						0.3 m			
2									
3									
4									
5									
6									
7									

NOTES

Terminated at 0.3m bgl due to potential asbestos containing material.
Relocated from BH12-02/A

Descriptions are based on observations and hand testing of grab samples.
Mechanical tests were not performed unless otherwise stated.

 Water Strike
 Rest Groundwater Level

Drilling Method: Hand dug

Borehole Diameter: -

Screen Material: -

Screen Diameter: -

Screen Slot Size: -

Sand Particle Size: -

All depths shown in metres below ground level.



PROJECT No: 51576-00

DATE: 08/01/2013

EASTING:

SITE: Tottenham

LOGGED BY: SM

NORTHING:

CLIENT: NGET

CONTRACTOR: CCGI

ELEVATION:

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
					0.20	Asphalt across surface.			
					0.40	Concrete			
1						MADE GROUND: Loose, dark brown, clayey, gravelly sand. Sand is angular. Gravel is medium to coarse, angular to rounded fragments of brick, concrete and sandstone. Metal pipe found at 0.3 mbgl. Exploratory hole extended to 0.4 mbgl at the side to avoid metal pipe.			
						Potential asbestos containing material found so hole was terminated.			
						0.4 m			
2									
3									
4									
5									
6									
7									

NOTES

Relocated from BH12-02A and BH12-02B
Abandoned at 0.4 mbgl due to potential asbestos containing material.

Descriptions are based on observations and hand testing of grab samples.
Mechanical tests were not performed unless otherwise stated.

 Water Strike
 Rest Groundwater Level

Drilling Method: Hand dug
Borehole Diameter: -
Screen Material: -
Screen Diameter: -
Screen Slot Size: -
Sand Particle Size: -

All depths shown in metres below ground level.



PROJECT No: 51576-00

DATE: 14/01/2013

EASTING: 535351.15

SITE: Tottenham

LOGGED BY: SM

NORTHING: 191321.71

CLIENT: NGET

CONTRACTOR: CCGI

ELEVATION: 10.63 mOAD

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
					0.20	Asphalt			
						Reinforced concrete			
						MADE GROUND: Loose dark brown, gravelly, cobbly sand. Sand is fine to medium. Gravel is fine to coarse, angular to sub-rounded fragments of brick, concrete and stone. Frequent wood fragments. Cobbles are broken bricks. Hydrocarbon odour below 0.5 mbgl. Hydrocarbon tar in soil.	450 ppm	BH12-02D/1	0.2 - 0.3 m 0.5 m
					1.50	MADE GROUND: Loose red to dark brown, slightly silty, gravelly sand. Sand is fine to medium. Gravel is fine to coarse, angular to sub-angular fragments of brick and sandstone. Frequent wood. Strong hydrocarbon odour.			
					3.00	@ 2.4 - 3.0 mbgl Matrix very tarry	2000 ppm	BH12-02D/2	2.5 - 2.8 m
					3.80	Light brown/black, clayey SILT. Black is hydrocarbon staining. Tar found in fissures. Strong hydrocarbon odour. (ALLUVIUM)			
					4.40	Light brown, clayey SILT. Tar found in fissures. Hydrocarbon odour. (ALLUVIUM)			
					5.30	Very stiff, light brown, gravelly CLAY. Gravel is medium to coarse, sub-angular to sub-rounded flint. (ALLUVIUM)	700 ppm	BH12-02D/3	4.9 - 5.0 m
					6.50	Loose, light brown, sandy GRAVEL. Sand is medium to coarse. Gravel is fine to coarse, sub-angular to sub-rounded flint and sandstone. (RIVER TERRACE GRAVEL) Hydrocarbon in matrix from 6.3 - 6.5 mbgl.			
					7.00	Very soft, brown, grey CLAY. (LONDON CLAY)	15 ppm	BH12-02D/4	6.8 - 6.9 m
						Borehole terminated at 7.0 mbgl in London Clay.			
						7 m			

NOTES

Hand dug to 1.15 mbgl. Water in pit.
Probed to 1.3 mbgl.
Borehole terminated at 7.0 mbgl in London Clay

Descriptions are based on observations and hand testing of grab samples.
Mechanical tests were not performed unless otherwise stated.

▽ Water Strike
▼ Rest Groundwater Level

Drilling Method: Dynamic and Rotary
Borehole Diameter: 140 mm
Screen Material: HDPE
Screen Diameter: 53 mm
Screen Slot Size: 0.75 mm
Sand Particle Size: 1-3 mm

All depths shown in metres below ground level.

**WorleyParsons**

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MONITORING WELL LOG**BH12-03**

Sheet 1 of 1

PROJECT No: 51576-00**DATE:** 09/01/2013**EASTING:** 535338.96**SITE:** Tottenham**LOGGED BY:** SM**NORTHING:** 191369.97**CLIENT:** NGET**CONTRACTOR:** CCGI**ELEVATION:** 10.82 mOAD

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
					0.20	Asphalt			
					0.45	MADE GROUND: Loose, light brown, slightly silty, gravelly sand. Sand is medium to coarse and angular. Gravel is coarse with sub angular fragments of stone.		BH12-03/1	0.2 - 0.3 m
					0.90	MADE GROUND: Loose brown, slightly silty, gravelly, cobbly sand. Sand is medium to coarse and angular. Gravel is coarse, subangular fragments of stone, concrete and brick. Cobbles are broken and whole bricks.	0.4 ppm		1.0 m
						MADE GROUND: Loose dark brown, silty, gravelly sand. Sand is medium and angular. Gravel is fine to coarse, sub-angular fragments of stone, brick and concrete.	0.6 ppm		1.5 m
					2.30		1.2 ppm	BH12-03/2	1.9 - 2.0 m
					2.50	MADE GROUND: Loose brick silty, gravelly sand. Sand is medium and angular. Gravel is fine to coarse fragments of stone, brick and concrete. Hydrocarbon odour and staining.	26 ppm	BH12-03/3	2.35 - 2.45 m
						Very soft, grey with black staining, slightly silty CLAY. Hydrocarbon found in fissures. Hydrocarbon odour. (ALLUVIUM)	200 ppm	BH12-03/4	3.0 - 3.1 m
					3.80				
						Very soft, light brown, slightly clayey SILT. Hydrocarbon staining in fissures. Hydrocarbon odour. (ALLUVIUM)	250 ppm		4.0 m
						Becoming gravelly with depth.			
					5.50		400 ppm		5.0 m
						Loose dark grey/brown, sandy GRAVEL. Sand is medium to coarse and angular. Gravel is fine to medium, angular to sub-rounded fragments of stone. (RIVER TERRACE GRAVEL)	160 ppm		6.0 m
					6.55				
						Stiff, fissured brown/grey CLAY (LONDON CLAY)			
					7.20		4.8 ppm		7.0 m
						Borehole terminated at 7.2 mbgl in London Clay.			

NOTES

Hand dug to 1.35 mbgl, probed to 1.45 mbgl.
LNAPL found on groundwater

Descriptions are based on observations and hand testing of grab samples.
Mechanical tests were not performed unless otherwise stated.

▽ Water Strike
▼ Rest Groundwater Level

Drilling Method: Dynamic and Rotary

Borehole Diameter: 140 mm

Screen Material: HDPE

Screen Diameter: 53 mm

Screen Slot Size: 0.75 mm

Sand Particle Size: 1-3 mm

All depths shown in metres below ground level.



PROJECT No: 51576-00

DATE: 11/01/2013

EASTING: 53591.38

SITE: Tottenham

LOGGED BY: SM

NORTHING: 191416.15

CLIENT: NGET

CONTRACTOR: CCGI

ELEVATION: 10.45 mOAD

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
					0.20	Reinforced concrete.			
					0.40	MADE GROUND: Loose black/brown, gravelly sand. Sand is angular to sub-angular and fine to medium. Gravel is fine to coarse fragments of angular concrete, brick and stone.	20 ppm	BH12-04/1	0.2 - 0.3 m
							200 ppm	BH12-04/2	0.45 - 0.55 m
					1.05	MADE GROUND: Loose, black-slightly red, slightly silty, gravelly sand. Sand is fine to medium, angular to sub-angular. Gravel is fine to medium, sub-angular to sub-rounded fragments of stone, occasional brick and concrete. Moist. Strong hydrocarbon odour.	5000 ppm	BH12-04/3	1.0 - 1.1 m
					1.40	MADE GROUND: Medium dense, black, slightly silty, slightly gravelly sand. Sand is fine to medium, sub-angular to sub-rounded. Gravel is fine and sub-angular to sub-rounded. Tarry with strong hydrocarbon odour.	800 ppm		1.5 m
					2.55	Soft, brown, mottled, black silty CLAY. Hydrocarbon odour with hydrocarbons present in fissures. (ALLUVIUM)	600 ppm	BH12-04/4	2.3 - 2.4 m
					2.85	Very soft, brown, slightly sandy SILT. Sand is firm to medium, sub-angular to sub-rounded. (ALLUVIUM) Black hydrocarbon staining towards base. Hydrocarbon odour.			
						Firm, light grey/brown mottled with black, slightly silty CLAY. (ALLUVIUM) Black mottling is potentially hydrocarbon staining. Becomes less frequent with depth.	200 ppm		3.0 m
							220 ppm		4.0 m
		4.30 m			4.60	Loose, light brown to grey, sandy GRAVEL. Gravel is fine to medium, sub-angular to sub-rounded fragments of flint, quartz and sandstone. (RIVER TERRACE GRAVELS)			
		4.40 m				Becoming less sandy with depth.	210 ppm		5.0 m
					5.70	Stiff, grey/brown CLAY. (LONDON CLAY)			
		5.85 m					1.2 ppm	BH12-04/5	6.0 m
		5.95 m							
		7.00 m			7.00	Borehole terminated at 7.0 mbgl in London Clay	0.8 ppm		7.0 m

NOTES

Hand dug to 1.3 mbgl, probed to 1.45 mbgl.
Strong hydrocarbon odour in hole.
Dynamic sample, casing rotary flushed.

Descriptions are based on observations and hand testing of grab samples.
Mechanical tests were not performed unless otherwise stated.

▽ Water Strike
▼ Rest Groundwater Level

Drilling Method: Dynamic & Rotary
Borehole Diameter: 140 mm to 6.8 mbgl 128 mm to 7 mbgl
Screen Material: HDPE
Screen Diameter: 53 mm
Screen Slot Size: 0.75 mm
Sand Particle Size: 1-3 mm
All depths shown in metres below ground level.



PROJECT No: 51576-00

DATE: 14/01/2013

EASTING: 535367.16

SITE: Tottenham

LOGGED BY: SM

NORTHING: 191464.16

CLIENT: NGET

CONTRACTOR: CCGI

ELEVATION: 10.44 m0AD

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
					0.20	Asphalt			
					0.30	Reinforced concrete			
					0.70	MADE GROUND: Loose light brown, gravelly sand. Gravel is sub-angular to sub-rounded, medium to coarse, brick coal and stone. Occasional cobbles of concrete.	0 ppm	BH12-05/1	0.3 - 0.4m
					1.40	MADE GROUND: Loose dark brown, slightly silty, gravelly sand. Sand is fine to medium. Gravel is medium to coarse, sub-angular to sub-rounded brick, concrete and stone.	0.4 ppm	BH12-05/2	1.0 - 1.1 m
					2.05	Very soft light brown, clayey SILT. (ALLUVIUM)	12 ppm		1.45 m
					3.50	Firm light grey/green with brown mottling CLAY. Brown mottles are possible organic matter. (ALLUVIUM)	0.5 ppm		2.5 m
					4.60	Soft, dark brown CLAY. Contains frequent gastropod shells (white) and roots/stems of organic material. (ALLUVIUM)	0.3 ppm	BH12-05/3	2.8 - 2.9 m
					4.30 m 4.40 m		0.4 ppm		4.5 m
					6.35	Loose, brown/grey, sandy GRAVEL. Sand is medium to coarse and rounded. Gravel is fine to coarse, sub-rounded to well-rounded flint and sandstone. (RIVER TERRACE GRAVEL)	0.7 ppm	BH12-05/4	5.5 - 5.6 m
					6.50 m 6.60 m		2.2 ppm	BH12-05/5	6.5 - 6.6 m
					7.00	Stiff, grey/brown CLAY. (LONDON CLAY)			
						Borehole terminated at 7.0 mbgl in London Clay.			
						7 m			

NOTES

Hand dug to 1.5 mbgl.
No obvious hydrocarbon odour.

Descriptions are based on observations and hand testing of grab samples.
Mechanical tests were not performed unless otherwise stated.

▽ Water Strike
▼ Rest Groundwater Level

Drilling Method: Dynamic & Rotary
Borehole Diameter: 140 mm
Screen Material: HDPE
Screen Diameter: 53 mm
Screen Slot Size: 0.75 mm
Sand Particle Size: 1-3 mm

All depths shown in metres below ground level.

**WorleyParsons**

resources & energy

MONITORING WELL LOG**BH12-06**

Sheet 1 of 1

PROJECT No: 51576-00**DATE:** 16/01/2013**EASTING:** 535389.03**SITE:** Tottenham**LOGGED BY:** SM**NORTHING:** 191528.63**CLIENT:** NGET**CONTRACTOR:** CCGI**ELEVATION:** 10.15 m0AD

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
					0.10	Asphalt			
						MADE GROUND: Loose yellow grey gravelly sand. Gravel is medium to coarse angular fragments of stone. (SUB-BASE).	2.8 ppm	BH12-06/1	0.2 - 0.3 m
						MADE GROUND: Loose dark brown, slightly silty, gravelly sand. Sand is fine to medium and sub-round to sub-angular. Gravel is fine to medium, sub-angular to sub-round fragments of concrete, brick and stone.	1.1 ppm		0.5 m
1	1.00 m (16/01/2013)				1.20		1.0 ppm		1.0 m
					1.50	MADE GROUND: Medium dense, black, slightly silty, gravelly sand. Gravel is fine to medium, sub-angular to sub-rounded fragments of brick and stone. Frequent peices of wood, highly impacted with tar.	13,000 ppm		1.2 m
						Firm, light brown, slightly silty CLAY. Strong sickly sweet smell. Becoming dark brown / black with depth. (ALLUVIUM)	15,000 ppm	BH12-06/2	1.5 m
2							10,000 ppm		1.7 - 1.8 m
							10,000 ppm		2.2 m
3							7,500 ppm		3.0 m
4					3.90	Stiff light grey/brown, slightly silty CLAY. Sickly sweet smell. (ALLUVIUM)	3,000 ppm		4.0 m
5		4.80 m 4.90 m			4.95	Loose dark brown, sandy GRAVEL. Gravel is fine to coarse, sub-angular to well-rounded. Sand is fine to coarse, sub-angular to sub-rounded. Sickly sweet smell. (RIVER TERRACE GRAVEL).	2,500 ppm	BH12-06/3	5.0 m
					5.90		700 ppm		5.2 - 5.3 m
									5.5 m
6		6.10 m 6.20 m				Stiff, grey/brown fissured CLAY. (LONDON CLAY)	50 ppm		5.9 m
					6.90		80 ppm	BH12-06/4	6.5 - 6.6m
7		6.90 m				Borehole terminated at 6.90 mbgl in London Clay	10 ppm		6.9 m
						6.9 m			

NOTES

Hand dug to 1.2 mbgl. Probed to 1.45 mbgl.
Borehole has a strange odour, slightly hydrocarbon, sickly sweet.

Descriptions are based on observations and hand testing of grab samples.
Mechanical tests were not performed unless otherwise stated.

▽ Water Strike
▼ Rest Groundwater Level

Drilling Method: Dynamic & Rotary
Borehole Diameter: 140 mm to 6.0 mbgl, 128mm to 6.9 mbgl
Screen Material: HDPE
Screen Diameter: 53 mm
Screen Slot Size: 0.75 mm
Sand Particle Size: 1-3 mm
All depths shown in metres below ground level.



PROJECT No: 51576-00

DATE: 21/01/2013

EASTING: 535339.49

SITE: Tottenham

LOGGED BY: SM

NORTHING: 191337.60

CLIENT: NGET

CONTRACTOR: CCGI

ELEVATION: 10.51 mOAD

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
					0.26	Reinforced concrete with asphalt skin.			
					0.50	MADE GROUND: Dense brown, slightly silty, gravelly sand. Sand is fine to medium. Gravel is fine to coarse, sub-angular to sub-rounded fragments of brick, concrete and stone.	2.2 ppm	WS12-01/1	0.3 - 0.4 m
					0.90	MADE GROUND: Dense, dark brown/black, slightly silty, gravelly sand. Sand is medium to coarse. Gravel is fine to medium, sub-angular to sub-round fragments of brick, concrete and stone. Occasional cobbles of broken brick.	0.7 ppm		0.6 m
1	1.25 m (21/01/2013) 1.7 m (21/01/2013)	0.90 m 1.0 m			1.90	MADE GROUND: Soft, white with black mottling, sandy, gravelly CLAY. Gravel is fine to medium, sub-angular to sub-rounded fragments of chalk. (Foul lime)	1.5 ppm	WS12-01/2	1.0 - 1.1 m
2						Soft black with red tinge, sandy SILT. Oil staining, becoming more oil stained and softer with depth. Strong hydrocarbon odour. (ALLUVIUM)	1,300 ppm		2.0 m
							3,800 ppm		2.5 m
3		3.0 m 3.1 m			3.60	Firm, light brown, fissured, silty CLAY. Slight evidence of hydrocarbon staining in the fissures. Becoming softer with a slight hydrocarbon smell with depth. (ALLUVIUM)	3,500 ppm		3.0 m
4							160 ppm		4.0 m
5		5.0 m			5.00	Borehole terminated at 5.0 mbgl in clay.	500 ppm		5.0 m

NOTES

Hand dug to 1.35 mbgl.
Concrete cored.
Oil staining and hydrocarbon odour in hole
Borehole Diameter: 113 mm:2.0 mbgl, 101 mm:4.0 mbgl, 86 mm :5.0 mbgl

Descriptions are based on observations and hand testing of grab samples.
Mechanical tests were not performed unless otherwise stated.

▽ Water Strike
▼ Rest Groundwater Level

Drilling Method: Dynamic
Borehole Diameter: see notes
Screen Material: HDPE
Screen Diameter: 53 mm
Screen Slot Size: 0.75 mm
Sand Particle Size: 1-3 mm

All depths shown in metres below ground level.



PROJECT No: 51576-00

DATE: 17/01/2013

EASTING: 535366.59

SITE: Tottenham

LOGGED BY: SM

NORTHING: 191349.93

CLIENT: NGET

CONTRACTOR: CCGI

ELEVATION: 10.57 mOAD

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
					0.15	Asphalt			
						MADE GROUND: Dense dark brown, slightly silty, gravelly sand. Sand is fine to coarse, sub-angular to sub-round. Gravel is fine to coarse, angular to sub-round fragments of brick, stone and glass. Glass "Bovril" bottles found. Slight diesel odour.	0.9 ppm 1.6 ppm	WS12-02/1	0.2 - 0.3 m 0.5 m
					0.80				
					1.10	MADE GROUND: Dense black/dark brown, slightly silty, gravelly sand. Sand is sub-angular to sub-round, fine to coarse. Gravel is fine to coarse, angular to sub-round fragments of stone and glass. Strong diesel odour.	400 ppm	WS12-02/2	0.9 m - 1.0 m
						MADE GROUND: Dense black, very silty, very gravelly sand. Sand is fine to coarse, sub-angular to sub round. Gravel is medium to coarse, sub-angular to round fragments of stone. Hydrocarbon staining and strong diesel odour.	2,700 ppm	WS12-02/3	1.4 m - 1.5 m
					2.40		15,000 ppm		2.0 m
						Dark brown/black mottled, slightly clayey, slightly sandy SILT. Sand is fine. Black mottling is hydrocarbon in fissures. Strong diesel odour. Black mottling/hydrocarbons becomes less with depth. (ALLUVIUM)		WS12-02/4	2.9 m - 3.0 m
					3.80		15,000 ppm		
						Loose, brown, slightly silty, sandy GRAVEL. Gravel is fine to medium, sub-angular to well rounded. (RIVER TERRACE GRAVEL) Diesel odour and some black staining in matrix.	15,000 ppm	WS12-02/5	4.0 m 4.3 m - 4.5 m
					5.40	Borehole terminated at 5.4 mbgl in river terrace gravel.			
						5.4 m			

NOTES

Hand dug to 1.3 mbgl, probed to 1.5 mbgl.
Strong diesel odour throughout pit.
Hydrocarbons in water found in matrix of cores.

Descriptions are based on observations and hand testing of grab samples.
Mechanical tests were not performed unless otherwise stated.

▽ Water Strike
▼ Rest Groundwater Level

Drilling Method: Dynamic & Rotary

Borehole Diameter: 140 mm

Screen Material: HDPE

Screen Diameter: 53 mm

Screen Slot Size: 0.75 mm

Sand Particle Size: 1-3 mm

All depths shown in metres below ground level.



PROJECT No: 51576-00

DATE: 21/01/2013

EASTING: 535368.27

SITE: Tottenham

LOGGED BY: SM

NORTHING: 191381.79

CLIENT: NGET

CONTRACTOR: CCGI

ELEVATION: 10.52 mOAD

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
					0.35	Reinforced concrete in three separate layers.			
					0.90	MADE GROUND: Dense, brown, slightly silty, sandy gravel. Gravel is fine to coarse, sub-angular to sub-rounded fragments of stone. No odour.	0.5 ppm	WS12-03/1	0.45 - 0.55 m
1	1.1 m (21/01/2013) 1.6 m (21/01/2013)	1.0 m				MADE GROUND: Medium dense, dark brown, silty, sandy gravel. Gravel is fine to coarse, sub-angular to sub-rounded fragments of stone, brick and concrete.	0.2 ppm		0.9 m
		1.90 m					0.2 ppm		1.5 m
2		2.20 m 2.30 m 2.40 m			2.70		0.3 ppm	WS12-03/2	2.0 - 2.1 m
		2.70 m				Borehole terminated at 2.7 mbgl on hard obstruction.			2.5 m
3						2.7 m			
4									
5									
6									
7									

NOTES

Hand dug to 1.35 mbgl.
Borehole collapsed to 2.2 mbgl and installed to that depth.

Descriptions are based on observations and hand testing of grab samples.
Mechanical tests were not performed unless otherwise stated.

▽ Water Strike
▼ Rest Groundwater Level

Drilling Method: Dynamic
Borehole Diameter: 86 mm
Screen Material: HDPE
Screen Diameter: 53 mm
Screen Slot Size: 0.75 mm
Sand Particle Size: 1-3 mm

All depths shown in metres below ground level.



PROJECT No: 51576-00

DATE: 18/01/2013

EASTING: 535346.34

SITE: Tottenham

LOGGED BY: SM

NORTHING: 191408.44

CLIENT: NGET

CONTRACTOR: CCGI

ELEVATION:

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
					0.25	Reinforced concrete			
					0.70	MADE GROUND: Dense brown, slightly silty, gravelly sand. Gravel is fine to coarse, sub-angular to sub-rounded fragments of brick, concrete and stone. Frequent cobbles of brick and concrete. Occasional voids found, 1-2 litres in volume.	12 ppm 8 ppm		0.2 m 0.5 m
1						Refusal at 0.7 mbgl on large concrete obstruction at angle so appears as if part of made ground and not a structure.			
						0.7 m			
2									
3									
4									
5									
6									
7									

NOTES

Hand dug to 0.7 mbgl.

Drilling Method: Hand dug

Borehole Diameter: -

Screen Material:

Screen Diameter:

Screen Slot Size:

Sand Particle Size:

All depths shown in metres below ground level.

Descriptions are based on observations and hand testing of grab samples.
Mechanical tests were not performed unless otherwise stated.

 Water Strike

 Rest Groundwater Level



PROJECT No: 51576-00

DATE: 18/01/2013

EASTING: 535385.77

SITE: Tottenham

LOGGED BY: SM

NORTHING: 191413.29

CLIENT: NGET

CONTRACTOR: CCGI

ELEVATION:

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
					0.30	Reinforced concrete.			
					0.65	MADE GROUND: Dense, slightly silty, gravelly sand. Sand is fine to coarse and sub-angular to sub-rounded. Gravel is fine to coarse, angular to sub-rounded fragments of stone with occasional brick and concrete. Slight hydrocarbon odour.	6 ppm	WS12-05/1	0.3 - 0.4m
						MADE GROUND: Medium dense, slightly silty, slightly sandy gravel. Gravel is medium to coarse lumps of vitrified slag and clinker.	12 ppm	WS12-05/2	0.6 m
1					1.50		18 ppm		0.7 - 0.8 m
						1.5 m			1.1 m
2									
3									
4									
5									
6									
7									

NOTES

Hand dug to 1.25 mbgl, probed to 1.5 mbgl.

Descriptions are based on observations and hand testing of grab samples.
Mechanical tests were not performed unless otherwise stated.

▽ Water Strike
▼ Rest Groundwater Level

Drilling Method: Hand dug

Borehole Diameter: WS12-05

Screen Material:

Screen Diameter:

Screen Slot Size:

Sand Particle Size:

All depths shown in metres below ground level.



PROJECT No: 51576-00

DATE: 16/01/2013

EASTING: 535387.16

SITE: Tottenham

LOGGED BY: SM

NORTHING: 191402.23

CLIENT: NGET

CONTRACTOR: CCGI

ELEVATION: 10.55 mOAD

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
					0.20	Reinforced concrete			
		0.5 m				MADE GROUND: Loose dark brown/reddish, slightly silty, gravelly sand. Sand is medium to coarse. Gravel is fine to coarse, angular to sub-rounded fragments of brick, concrete and stone. Slight hydrocarbon odour getting stronger with depth.	44 ppm	WS12-06/1	0.3 - 0.4 m
1	1.0 m (16/01/2013)	0.6 m			1.20		45 ppm	WS12-06/2	1.0 m
					1.90	Firm, dark brown, mottled black, fissured CLAY. Fissures contain tar. (ALLUVIUM) Strong hydrocarbon odour.			1.1 - 1.2 m
2					2.40	Stiff, brown, mottled black, fissured CLAY. Black mottling is hydrocarbon staining. Strong hydrocarbon odour. (ALLUVIUM)	270 ppm		2.0 m
		2.8 m				Stiff, grey green, mottled black, silty CLAY. Black is hydrocarbon staining. Strong hydrocarbon odour. (ALLUVIUM)			
3		3.0 m					1,600 ppm	WS12-06/3	3.0 m
					4.20		150 ppm		4.0 m
					4.90	Soft, dark brown, silty CLAY. Organic content, roots etc. No hydrocarbon odour. (ALLUVIUM)			
5					5.30	Loose, dark brown, sandy GRAVEL. Gravel is fine to coarse, sub-angular to well rounded. (RIVER TERRACE GRAVEL)	22 ppm		5.2 m
		5.30 m				Borehole terminated at 5.3 mbgl in gravels.			
						5.3 m			
6									
7									

NOTES

Hand dug to 1.5 mbgl
Borehole terminated at 5.3 mbgl within river terrace gravels.
Borehole Diameter: 101 mm to 3.0 mbgl; 86 mm to 5.3 mbgl.

Descriptions are based on observations and hand testing of grab samples.
Mechanical tests were not performed unless otherwise stated.

▽ Water Strike
▼ Rest Groundwater Level

Drilling Method: Dynamic
Borehole Diameter: see notes
Screen Material: HDPE
Screen Diameter: 53 mm
Screen Slot Size: 0.75 mm
Sand Particle Size: 1-3 mm

All depths shown in metres below ground level.



PROJECT No: 51576-00

DATE: 22/01/2013

EASTING: 535396.88

SITE: Tottenham

LOGGED BY: SM

NORTHING: 191502.88

CLIENT: NGET

CONTRACTOR: CCGI

ELEVATION: 10.28 mAOD

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
					0.22	Reinforced concrete.			
					0.60	MADE GROUND: Dense, dark brown/black, slightly silty, gravelly sand. Gravel is fine to coarse, sub-angular to sub-rounded fragments of stone. Strong, sickly sweet odour.	2.5 ppm	WS12-07/1	0.35 - 0.45 m
						MADE GROUND: Stiff, wet, black/red, slightly sandy clay. Very strong sickly sweet odour. Becoming very stiff to hard with depth.	12,000 ppm		0.6 m
							15,000 ppm	WS12-07/2	0.9 - 1.0 m
							15,000 ppm		1.5 m
					2.10				
						Firm, dark brown silty CLAY. Strong hydrocarbon, sickly sweet smell. Becoming soft to very soft with depth. (ALLUVIUM)	1,000		2.5 m
							15,000		3.5 m
					4.00				
						Borehole terminated at 4.0 mbgl in silts.			
						4 m			

NOTES

Concrete cored.
Strong, sickly sweet odour coming from hole.

Descriptions are based on observations and hand testing of grab samples.
Mechanical tests were not performed unless otherwise stated.

▽ Water Strike
▼ Rest Groundwater Level

Drilling Method: Dynamic
Borehole Diameter: 86 mm
Screen Material: HDPE
Screen Diameter: 53 mm
Screen Slot Size: 0.75 mm
Sand Particle Size: 1-3 mm

All depths shown in metres below ground level.



PROJECT No: 51576-00

DATE: 22/01/2013

EASTING: 535371.95

SITE: Tottenham

LOGGED BY: SM

NORTHING: 191482.41

CLIENT: NGET

CONTRACTOR: CCGI

ELEVATION: 10.43 mOAD

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
					0.10	Reinforced concrete			
					0.20	MADE GROUND: Loose dark brown, slightly gravelly sand. Gravel is fine to coarse and sub-angular to sub-rounded.			
					0.53	Concrete.			
					0.90	MADE GROUND: Loose dark brown, slightly silty gravelly sand. Gravel is fine to coarse, sub-angular to sub-rounded fragments of stone.	0.2 ppm	WS12-08/1	0.6 m
1		0.9 m				MADE GROUND: Loose light brown/yellow, slightly silty sand. Sand is fine. Occasional fragments of glass.	0.8 ppm		0.7 - 0.8 m
		1.0 m			1.60				1.0 m
						Light brown/yellow, slightly sandy SILT. (ALLUVIUM)	0.2 ppm		1.5 m
2		2.0 m			2.40				
		2.1 m				Firm, grey/green fissured CLAY. (ALLUVIUM)	1.7 ppm	WS12-08/2	2.5 - 2.6 m
					3.40				
						Loose, brown, slightly sandy, slightly silty GRAVEL. Gravel is fine to medium, sub-angular to well rounded fragments of flint and sandstone. (RIVER TERRACE GRAVELS)	1.3 ppm		3.5 m
							1.9 ppm		4.5 m
5		5.0 m			5.00	Borehole terminated at 5.0 mbgl in gravels.			
						5 m			

NOTES

Hand dug to 1.5 mbgl.
No obvious odour observed.

Descriptions are based on observations and hand testing of grab samples.
Mechanical tests were not performed unless otherwise stated.

▽ Water Strike
▼ Rest Groundwater Level

Drilling Method: Dynamic
Borehole Diameter: 101 mm to 3.0 mbgl, 86 mm to 5.0 mbgl
Screen Material: HDPE
Screen Diameter: 53 mm
Screen Slot Size: 0.75 mm
Sand Particle Size: 1-3 mm
All depths shown in metres below ground level.