Appendices A - C



Appendix A. Geological Logs

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Borehole Log

Borehole No.
BH23-01
Sheet 1 of 1

Project Name:	NGET Tottenham	Project No. 5221420	Co-ords: 535190E - 191224N	Hole Type IP+CP+RC
Location:	Watermead Way, Tottenham, London, N17 0SG		Level: 10.62	Scale 1:50
Client:	National Grid Property Holdings Limited		Dates: 19/04/2023	Logged By ZC

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	10.52		Hard standing tarmac road.
		0.40 - 0.50	ES		0.27	10.35		Road subbase of angular brick and concrete. (MADE GROUND)
		0.50 - 2.50	ES					Yellowish brown gravelly SAND. Sand is predominantly medium and coarse. Gravel is angular to sub-angular fine to coarse of brick, concrete, flint, fragments of tarmac. Rare fragments of glass. Occasional clinker. Occasional fragments of tiles. (MADE GROUND)
		0.50	PID	PID=35.1	0.60	10.02		
					1.50	9.12		Dark brown slightly gravelly clayey SAND. Sand is fine to coarse. Gravel is sub-angular to sub rounded fine to coarse of brick, concrete, calcareous, and flint. Occasional clinker and fragments of coal and wood. (MADE GROUND)
								Yellowish brown to brown slightly sandy gravelly CLAY. Sand is fine and medium. Gravel is fine to coarse of brick, concrete, chalk, calcareous and flint. (MADE GROUND)
		2.50	PID	PID=26.0				
					3.60	7.02		Soft to firm greenish grey mottled grey CLAY with occasional lenses of brown Silt and sub-angular fine gravel of bricks. (MADE GROUND)
					6.50	4.12		Black stained sandy GRAVEL. Sand is medium and coarse. Gravel is sub-angular to sub rounded fine to coarse of flint. Black staining and oily sheen on gravels. Strong hydrocarbon odour. (KPG)
					7.00	3.62		Soft to firm grey CLAY. (London Clay)
					7.20	3.42		End of Borehole at 7.20m

Remarks

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Member of the SNC-Lavalin Group

Borehole Log

Borehole No.
BH23-02
Sheet 1 of 1

Project Name:	NGET Tottenham	Project No. 5221420	Co-ords:	535300E - 191229N	Hole Type IP+CP+RC
Location:	Watermead Way, Tottenham, London, N17 0SG		Level:	10.86	Scale 1:50
Client:	National Grid Property Holdings Limited		Dates:	23/04/2023	Logged By ZC

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	10.76		Hard standing tarmac road.
					0.27	10.59		Road subbase of angular brick and concrete. (MADE GROUND)
		0.60 - 0.70 0.70	ES PID	PID=207.0	0.60	10.26		Blackish brown gravelly SAND. Sand is predominantly medium and coarse. Gravel is angular to sub-angular fine to coarse of brick, concrete and flint. Rare fragments of glass. Occasional clinker. Occasional fragments of tiles. (MADE GROUND)
					1.70	9.16		Dark brown slightly gravelly clayey SAND. Sand is fine to coarse. Gravel is sub-angular to sub rounded fine to coarse of brick, concrete, calcareous, and flint. Occasional clinker and fragments of coal and wood. (MADE GROUND)
		1.80 - 1.90 1.90	ES PID	PID=9.3				Yellowish brown gravelly clayey SAND. Sand is fine and medium. Gravel is fine to coarse of brick, concrete, chalk, calcareous and flint. Occasional metal and wood. (MADE GROUND).
					2.20	8.66		Yellowish brown to brown gravelly sandy CLAY. Sand is fine and medium. Gravel is fine to coarse of brick, concrete, chalk, calcareous and flint. Occasional charcoal. (MADE GROUND)
	▼				3.60	7.26		Soft to firm greenish grey mottled grey CLAY with occasional lenses of brown Silt and sub-angular fine gravel of bricks. (MADE GROUND)
					5.30	5.56		Yellowish brown sandy GRAVEL. Sand is medium and coarse. Gravel is sub-angular to sub rounded fine to coarse of flint. (KPG)
					7.00	3.86		Soft to firm grey CLAY. (London Clay)
					7.20	3.66		End of Borehole at 7.20m

1 2 3 4 5 6 7 8 9 10

Remarks

AGS

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Borehole Log

Borehole No.
BH23-03
Sheet 1 of 1

Project Name:	NGET Tottenham	Project No. 5221420	Co-ords:	535401E - 191435N	Hole Type IP
Location:	Watermead Way, Tottenham, London, N17 0SG		Level:	10.44	Scale 1:25
Client:	National Grid Property Holdings Limited		Dates:	24/04/2023	Logged By LC

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES					Dark brownish black medium dense to loose gravelly clayey SAND. Sand is medium to coarse. Gravel is sub-angular and sub rounded medium coarse. Slightly hydrocarbon odour. (MADE GROUND)
					0.35	10.09		Dark red medium dense to loose gravelly clayey SAND. Sand is fine to coarse. Gravel is sub-angular and sub rounded medium of brick. Occasional ash. Occasional cobbles of brick. Strong hydrocarbon odour. Hydrocarbon saturated soil. (MADE GROUND)
					0.70	9.74		End of Borehole at 0.70m

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Remarks

AGS

ATKINS
Member of the SNC-Lavalin Group

Borehole Log

Borehole No.
BH23-04
Sheet 1 of 1

Project Name:	NGET Tottenham	Project No. 5221420	Co-ords: 535396E - 191426N	Hole Type IP+CP+RC
Location:	Watermead Way, Tottenham, London, N17 0SG		Level: 10.39	Scale 1:50
Client:	National Grid Property Holdings Limited		Dates: 24/04/2023	Logged By LC

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15	10.24		CONCRETE (0.0 - 0.035) - Black Staining
					0.35	10.04		Dark brownish black medium dense to coarse gravelly clayey SAND. Sand is medium to coarse. Gravel is sub-angular and sub rounded to medium coarse. Slight hydrocarbon Odour. (MADE GROUND)
					0.70	9.68		Dark red medium dense to loose gravelly clayey SAND. Sand is fine to coarse. Gravel is sub-angular and sub rounded medium to brick. Occasional ash. Occasional cobbles of brick. Strong hydrocarbon odour. Hydrocarbon saturated soil. (MADE GROUND)
					1.50	8.88		Dark brownish black of slightly gravelly sandy CLAY to firm. Strong hydrocarbon odour. (MADE GROUND)
		1.70 1.70	ES ES					Dark brownish black of slightly gravelly sandy CLAY to firm. Strong hydrocarbon odour. (MADE GROUND)
					2.08	8.30		Light bluish brown medium to coarse slightly gravelly sandy CLAY to firm. Sand is medium to coarse. Gravel is sub-angular and sub rounded medium to rare brick. Slight hydrocarbon odour. (MADE GROUND)
					2.70	7.68		Dark brownish black, firm, medium to coarse slightly gravelly sandy CLAY. Sand is medium to coarse. Gravel is sub-angular and sub rounded medium to coarse of brick, rare wood fragments. Strong hydrocarbon odour and staining.(MADE GROUND)
					4.00	6.38		Light greyish brown loose to fine sandy GRAVEL. Sand is fine to medium. Gravel is sub-angular and sub rounded. (KPG)
					5.70	4.68		End of Borehole at 5.70m

Remarks

AGS

ATKINS
Member of the SNC-Lavalin Group

Borehole Log

Borehole No.
BH23-05
Sheet 1 of 1

Project Name:	NGET Tottenham	Project No. 5221420	Co-ords:	535418E - 191491N	Hole Type IP
Location:	Watermead Way, Tottenham, London, N17 0SG		Level:	10.30	Scale 1:25
Client:	National Grid Property Holdings Limited		Dates:	24/04/2023	Logged By LC

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								CONCRETE (0.0 - 0.035) - Black Staining
					0.35	9.95		Dark brown medium dense to loose gravelly clayey SAND. Sand is dense to loose. Gravel is sub-angular and sub rounded medium of brick. Occasional wood fragments. Occasional brick. Occasional cobbles. Hydrocarbon odour.(MADE GROUND)
					1.00	9.30		Dark black medium dense to loose gravelly clayey SAND. Sand is dense to loose. Gravel is sub-angular and sub rounded medium of brick. Occasional wood fragments. Occasional brick. Occasional cobbles. Hydrocarbon Odour. Hydrocarbon saturated soil strong odour. (MADE GROUND)
					1.30	9.00		End of Borehole at 1.30m

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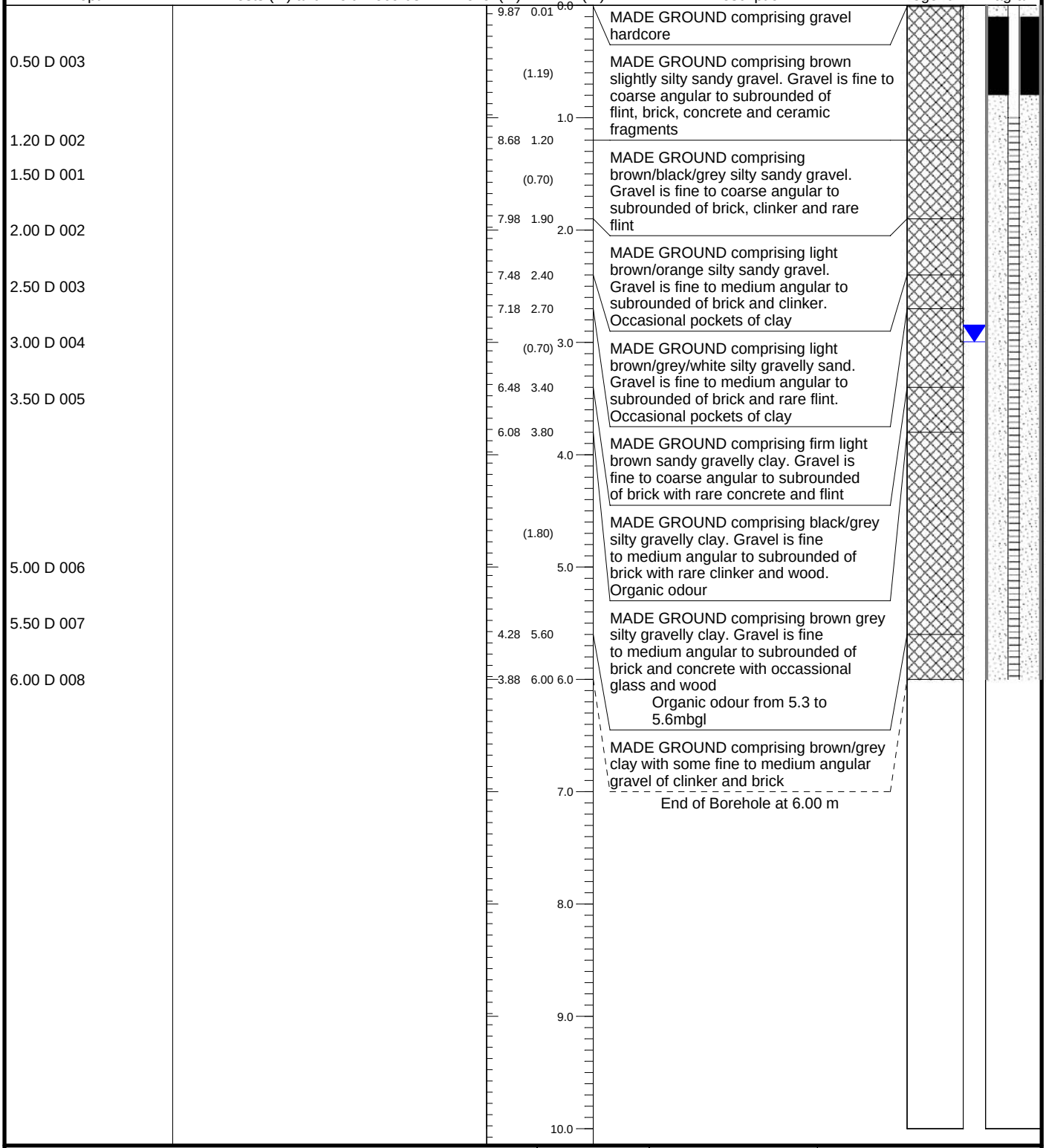
Remarks

AGS

Client: NATIONAL GRID PLC
Site: TOTTENHAM SUBSTATION
Project No: 10732

RSK GROUP PLC

Boring Method: Vacuum Excavation/Competitor Rig	Ground Level:	**Record of : BH1**
Date: 06/12/2005-13/12/2005	9.875m	Sheet 1 of 1
Driller: Mosley/GPS	Top of Casing Elevation (m):	Scale 1:50
Logged By: FW	9.860m	



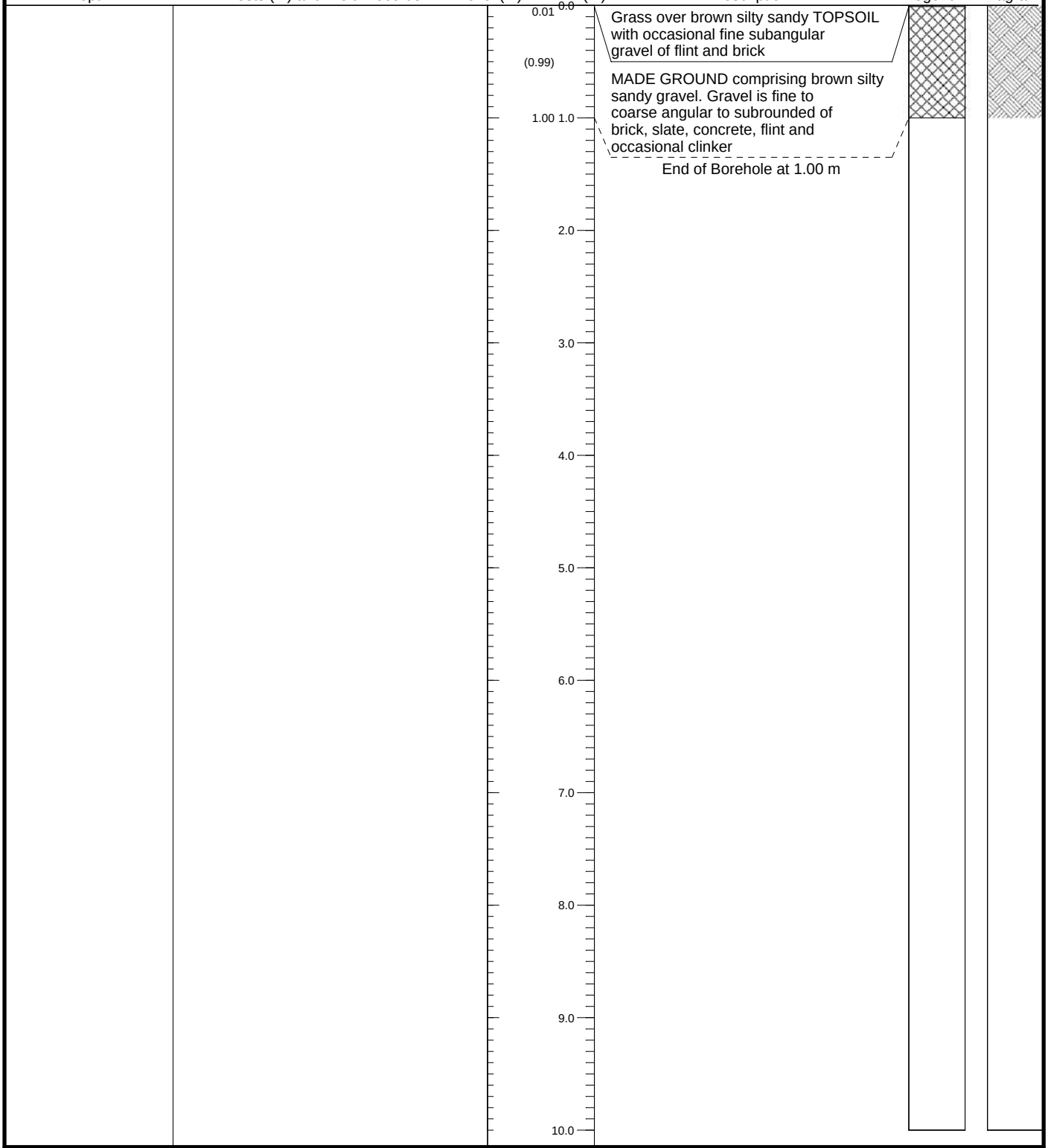
General Remarks:
Vacuum Excavation inspection pit to 1.2mbgl. 115mm diameter casing from ground level to 4.0mbgl and 92mm diameter sampler from 4.0mbgl to 6.0mbgl. Standpipe installed to 6.0mbgl. Resting groundwater 2.995mbgl during subsequent groundwater monitoring in December 2005.

Water Strikes		Chiselling			Borehole and Casing Details			
					Borehole		Casing	
Strike ▽	Level ▼	From: (m)	To: (m)	Time: (hr's)	Depth (m)	Diam. (mm)	Depth (m)	Diam. (mm)
0.000	2.995						6.00	50

Client: NATIONAL GRID PLC
Site: TOTTENHAM SUBSTATION
Project No: 10732

RSK GROUP PLC

Boring Method: Vacuum Excavation	Ground Level:	**Record of : BH3A**
Date: 06/12/2005-06/12/2005	NOT DETERMINED	Sheet 1 of 1
Driller: Mosley Moling	Top of Casing Elevation (m):	Scale 1:50
Logged By: FW	-	



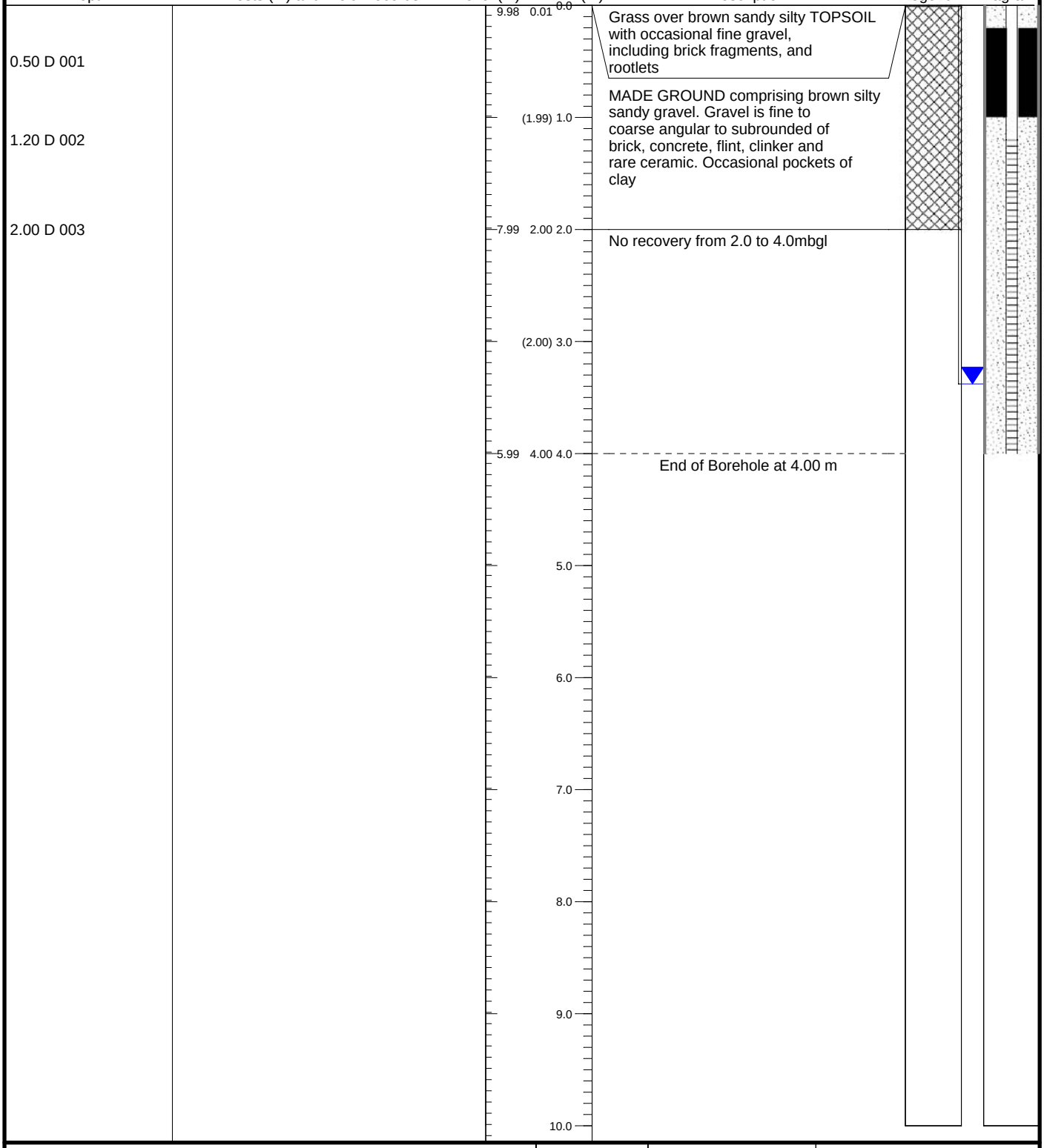
General Remarks:
Vacuum Excavation inspection pit to 1.0mbgl. Inspection pit abandoned due to concrete obstruction.

Water Strikes		Chiselling			Borehole and Casing Details			
					Borehole		Casing	
Strike ▽	Level ▼	From: (m)	To: (m)	Time: (hr's)	Depth (m)	Diam. (mm)	Depth (m)	Diam. (mm)

Client: NATIONAL GRID PLC
Site: TOTTENHAM SUBSTATION
Project No: 10732

RSK GROUP PLC

Boring Method: Vacuum Excavation/Competitor Rig	Ground Level:	**Record of : BH3B**
Date: 06/12/2005-13/12/2005	9.988m	Sheet 1 of 1
Driller: Mosley/GPS	Top of Casing Elevation (m):	Scale 1:50
Logged By: FW	9.971m	



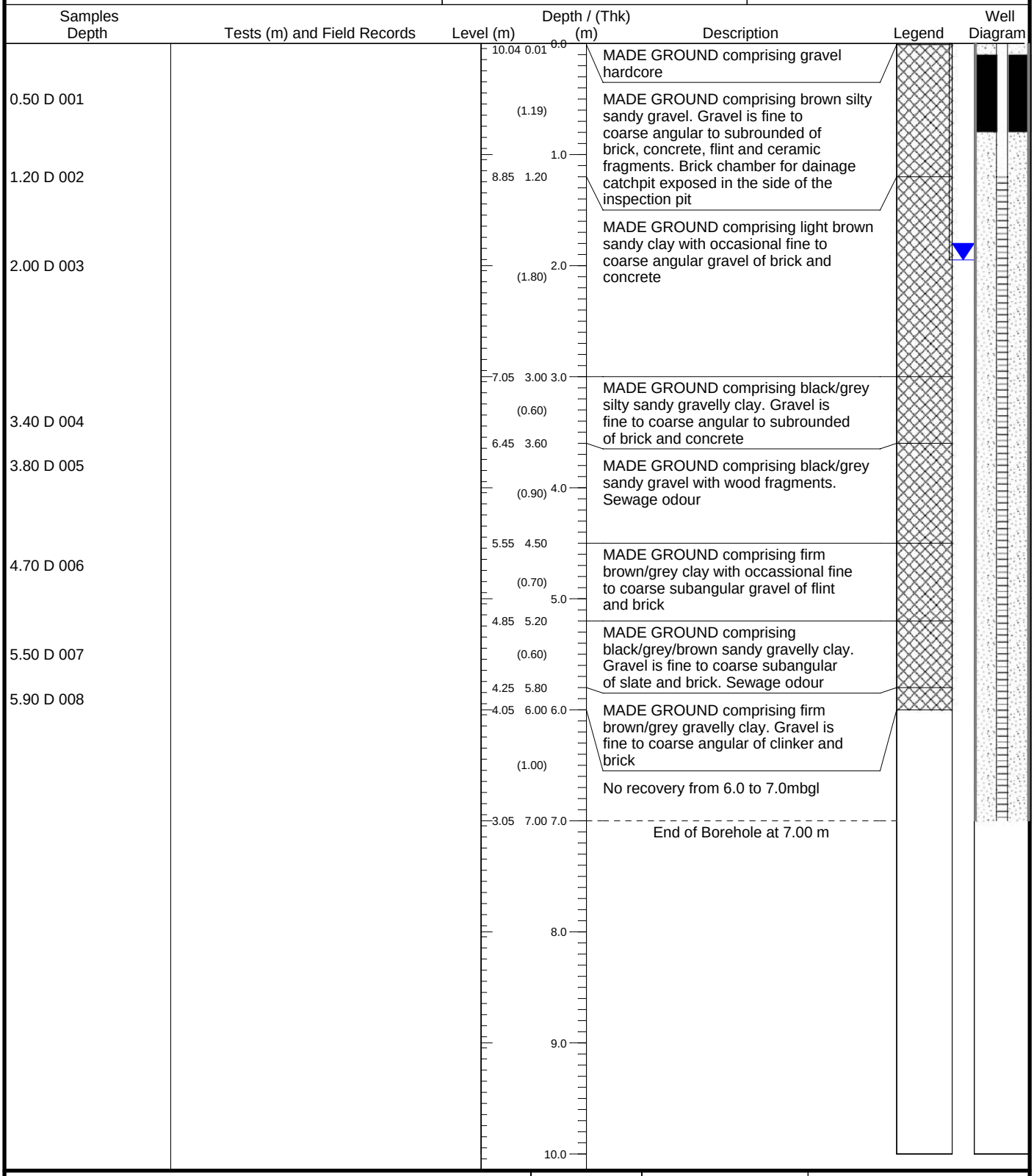
General Remarks:
Vacuum Excavation inspection pit to 1.2mbgl. 115mm diameter casing from ground level to 4.0mbgl. Standpipe installed to 4.0mbgl. Resting groundwater 3.379mbgl during subsequent groundwater monitoring in December 2005.

Water Strikes		Chiselling			Borehole and Casing Details			
					Borehole		Casing	
Strike ▽	Level ▼	From: (m)	To: (m)	Time: (hr's)	Depth (m)	Diam. (mm)	Depth (m)	Diam. (mm)
0.000	3.379						4.00	50

Client: NATIONAL GRID PLC
Site: TOTTENHAM SUBSTATION
Project No: 10732

RSK GROUP PLC

Boring Method: Vacuum Excavation/Competitor Rig	Ground Level:	**Record of : BH5**
Date: 06/12/2005-12/12/2005	10.045m	Sheet 1 of 1
Driller: Mosley/GPS	Top of Casing Elevation (m):	Scale 1:50
Logged By: FW	10.000m	



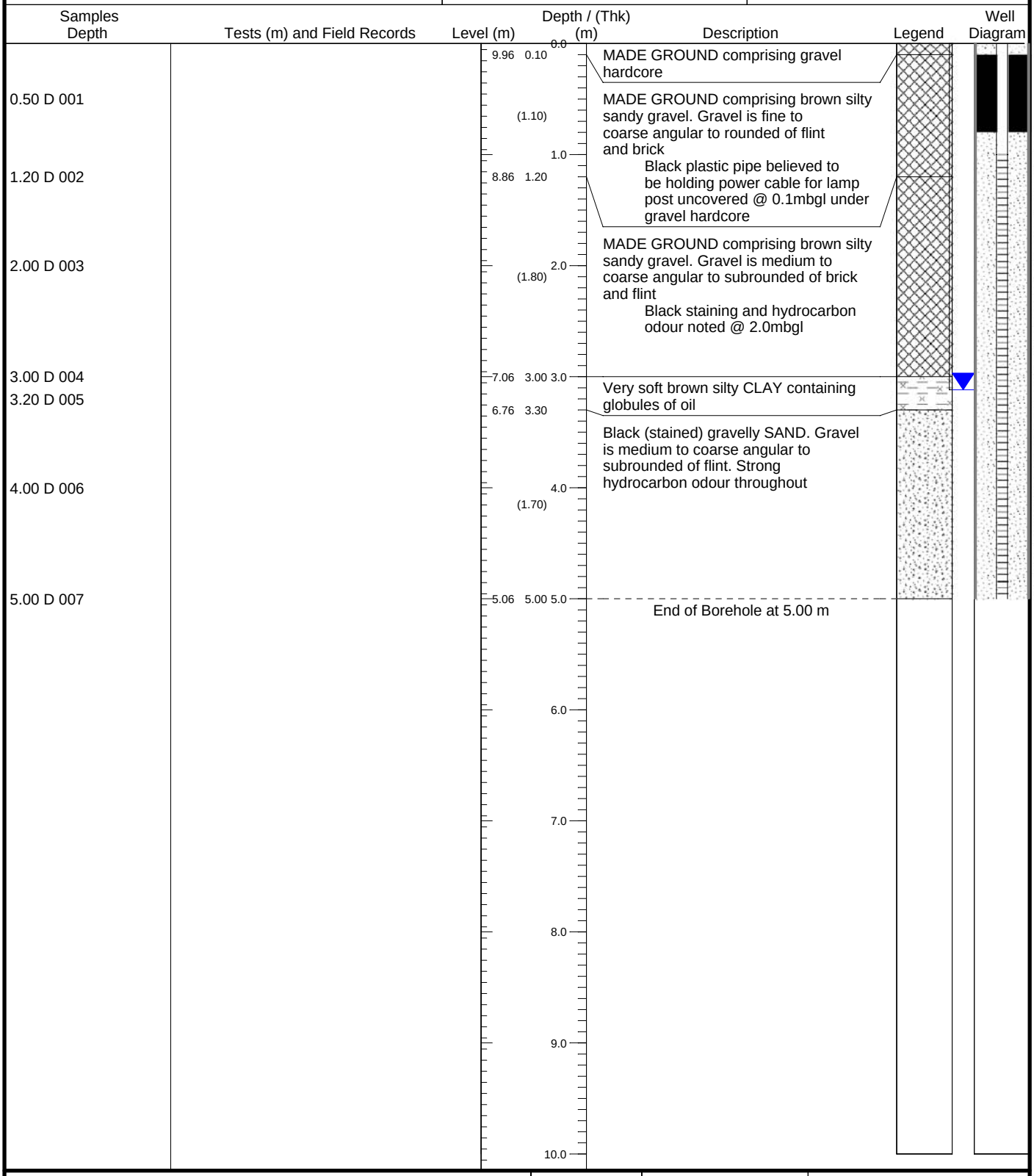
General Remarks:
Vacuum Excavation inspection pit to 1.2mbgl. 115mm diameter casing from ground level to 4.0mbgl and 92mm diamter sampler from 4.0mbgl to 7.0mbgl. Standpipe installed to 7.0mbgl. Resting groundwater 1.949mbgl during subsequent groundwater monitoring in December 2005.

Water Strikes		Chiselling			Borehole and Casing Details			
					Borehole		Casing	
Strike ▽	Level ▼	From: (m)	To: (m)	Time: (hr's)	Depth (m)	Diam. (mm)	Depth (m)	Diam. (mm)
0.000	1.949						7.00	50

Client: NATIONAL GRID PLC
Site: TOTTENHAM SUBSTATION
Project No: 10732

RSK GROUP PLC

Boring Method: Vacuum Excavation/Competitor Rig	Ground Level:	**Record of : BH6**
Date: 06/12/2005-12/12/2005	10.055m	Sheet 1 of 1
Driller: Mosley/GPS	Top of Casing Elevation (m):	Scale 1:50
Logged By: FW	9.959m	



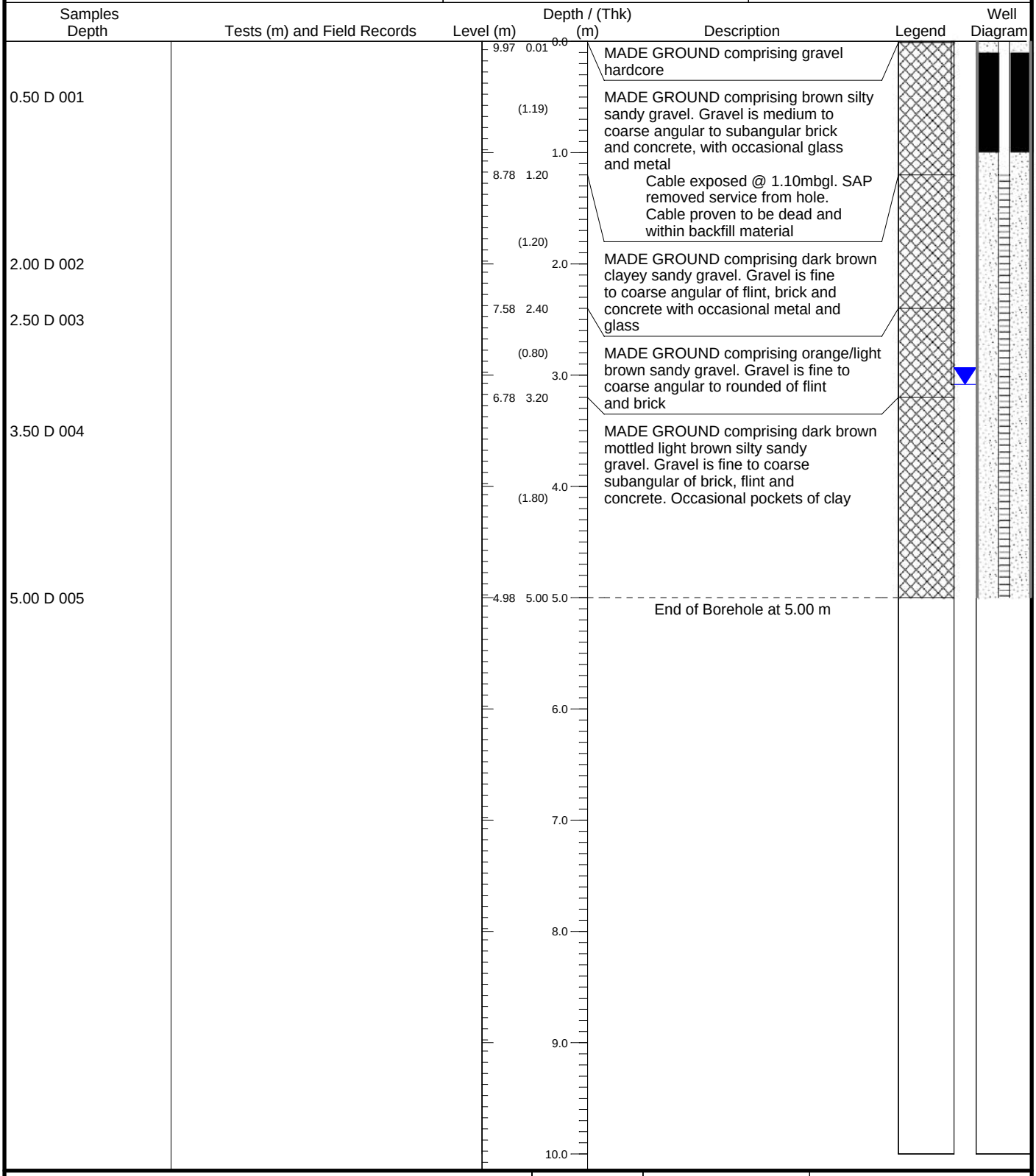
General Remarks:
Vacuum Excavation inspection pit to 1.2mbgl. 115mm diameter casing from ground level to 4.0mbgl and 92mm diameter sampler from 4.0mbgl to 5.0mbgl. Standpipe installed to 5.0mbgl. Resting groundwater 3.118mbgl during subsequent groundwater monitoring in December 2005.

Water Strikes		Chiselling			Borehole and Casing Details			
					Borehole		Casing	
Strike ▽	Level ▼	From: (m)	To: (m)	Time: (hr's)	Depth (m)	Diam. (mm)	Depth (m)	Diam. (mm)
0.000	3.118						5.00	50

Client: NATIONAL GRID PLC
Site: TOTTENHAM SUBSTATION
Project No: 10732

RSK GROUP PLC

Boring Method: Vacuum Excavation/Competitor Rig	Ground Level:	**Record of : BH7**
Date: 06/12/2005-13/12/2005	9.975m	Sheet 1 of 1
Driller: Mosley/GPS	Top of Casing Elevation (m):	Scale 1:50
Logged By: FW	9.919m	



General Remarks:
Vacuum Excavation inspection pit to 1.2mbgl. 115mm diameter casing from ground level to 4.0mbgl and 92mm diameter sampler from 4.0mbgl to 5.0mbgl. Standpipe installed to 5.0mbgl. Resting groundwater 3.082mbgl during subsequent groundwater monitoring in December 2005.

Water Strikes		Chiselling			Borehole and Casing Details			
					Borehole		Casing	
Strike ▽	Level ▼	From: (m)	To: (m)	Time: (hr's)	Depth (m)	Diam. (mm)	Depth (m)	Diam. (mm)
0.000	3.082						5.00	50

Client: NATIONAL GRID PLC
Site: TOTTENHAM SUBSTATION
Project No: 10732

RSK GROUP PLC

Boring Method: Vacuum Excavation	Ground Level:	**Record of : BH8**
Date: 06/12/2005-06/12/2005	NOT DETERMINED	Sheet 1 of 1
Driller: Mosley Moling	Top of Casing Elevation (m):	Scale 1:50
Logged By: FW	-	

Samples Depth	Tests (m) and Field Records	Level (m)	Depth / (Thk) (m)	Description	Legend	Well Diagram
0.50 D 001			0.0 (0.05)	MADE GROUND comprising gravel hardcore		
			0.50	MADE GROUND comprising brown gravelly sand. Gravel is fine to coarse rounded of flint. Occasional plastic		
			1.0	Pipe uncovered @ 0.4mbgl. Curb stone extends approximately 20cm from pipe, excavation terminated		
				End of Borehole at 0.50 m		
			2.0			
			3.0			
			4.0			
			5.0			
			6.0			
			7.0			
			8.0			
			9.0			
			10.0			

General Remarks:
Vacuum Excavation inspection pit to 0.5mbgl. Inspection pit abandoned due to obstruction.

Water Strikes		Chiselling			Borehole and Casing Details			
					Borehole		Casing	
Strike ▽	Level ▼	From: (m)	To: (m)	Time: (hr's)	Depth (m)	Diam. (mm)	Depth (m)	Diam. (mm)

Client: NATIONAL GRID PLC
Site: TOTTENHAM SUBSTATION
Project No: 10732

RSK GROUP PLC

Boring Method: Vacuum Excavation	Ground Level:	**Record of : BH9**
Date: 06/12/2005-06/12/2005	NOT DETERMINED	Sheet 1 of 1
Driller: Mosley Moling	Top of Casing Elevation (m):	Scale 1:50
Logged By: FW	-	

Samples Depth	Tests (m) and Field Records	Level (m)	Depth / (Thk) (m)	Description	Legend	Well Diagram
0.50 D 001			0.0 0.05 (0.75) 0.80 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0	MADE GROUND comprising gravel hardcore MADE GROUND comprising brown silty gravelly sand. Gravel is fine to coarse sub angular to rounded of flint. Slight odour throughout End of Borehole at 0.80 m		

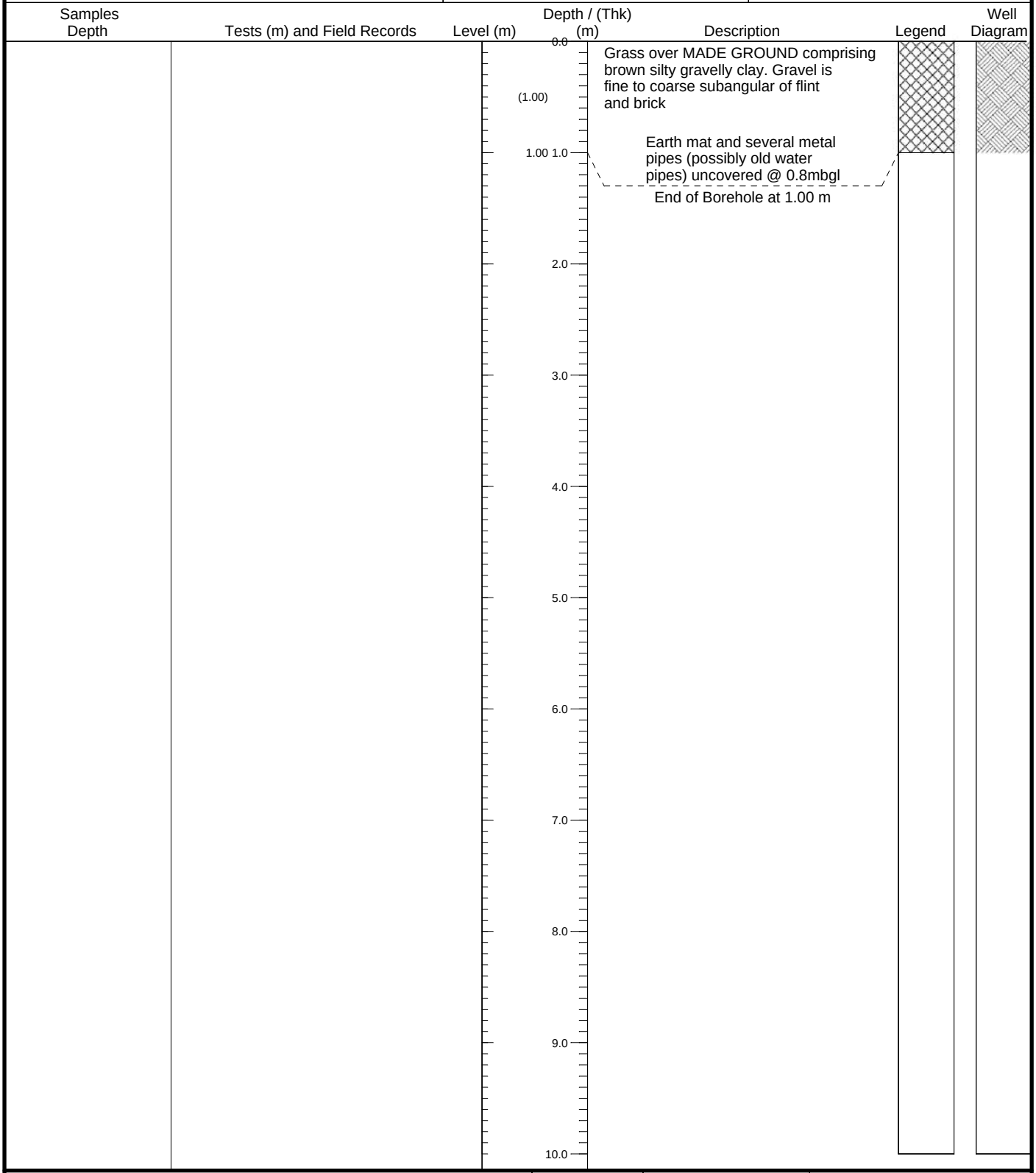
General Remarks:
Vacuum Excavation inspection pit to 0.8mbgl. Inspection pit abandoned. Curbstone and drainage pipe encountered.

Water Strikes		Chiselling			Borehole and Casing Details			
					Borehole		Casing	
Strike ▽	Level ▼	From: (m)	To: (m)	Time: (hr's)	Depth (m)	Diam. (mm)	Depth (m)	Diam. (mm)

Client: NATIONAL GRID PLC
Site: TOTTENHAM SUBSTATION
Project No: 10732

RSK GROUP PLC

Boring Method: Vacuum Excavation	Ground Level:	**Record of : BH9A**
Date: 06/12/2005-06/12/2005	NOT DETERMINED	Sheet 1 of 1
Driller: Mosley Moling	Top of Casing Elevation (m):	Scale 1:50
Logged By: FW	-	



General Remarks:
Vacuum Excavation inspection pit to 1.0mbgl. Inspection pit abandoned. Services and earthing matt encountered.

Water Strikes		Chiselling			Borehole and Casing Details			
					Borehole		Casing	
Strike ▽	Level ▼	From: (m)	To: (m)	Time: (hr's)	Depth (m)	Diam. (mm)	Depth (m)	Diam. (mm)

Client: NATIONAL GRID PLC
Site: TOTTENHAM SUBSTATION
Project No: 10732

RSK GROUP PLC

Boring Method: Vacuum Excavation/Competitor Rig	Ground Level:	**Record of : BH9B**
Date: 06/12/2005-12/12/2005	10.062m	Sheet 1 of 1
Driller: Mosley/GPS	Top of Casing Elevation (m):	Scale 1:50
Logged By: FW	9.896m	

Samples Depth	Tests (m) and Field Records	Level (m)	Depth / (Thk) (m)	Description	Legend	Well Diagram
0.50 D 001			0.0	Grass over MADE GROUND comprising brown/grey silty gravelly clay. Gravel is fine to coarse subangular to subrounded of flint		
			(1.20)			
			1.0	Unknown metal framework uncovered @ 0.7mbgl Metal pipe uncovered @ 1.0mbgl (possibly water pipes), SAP allowed drilling to continue to the side of the metal pipes		
1.20 D 002		8.86	1.20			
1.70 D 003		8.46	1.60	MADE GROUND comprising brown silty sandy gravel. Gravel is fine to coarse angular of clinker, glass, concrete and brick		
2.00 D 004		8.06	2.00 2.0			
			(1.10)	MADE GROUND comprising soft to firm brown clay		
3.00 D 005		6.96	3.10 3.0	MADE GROUND comprising brown clayey sandy gravel. Gravel is fine to coarse angular of concrete, brick flint and glass with occasional metal		
			(1.00)	MADE GROUND comprising soft brown/black (staining) gravelly clay. Gravel is fine to coarse angular of brick and concrete. Strong hydrocarbon odour		
4.00 D 006		5.96	4.10 4.0			
4.40 D 007		5.46	4.60	MADE GROUND comprising brown clayey gravelly sand. Gravel is fine to medium angular of flint		
			(0.70)			
5.00 D 008		4.76	5.30 5.0	MADE GROUND comprising soft brown/black (staining) gravelly clay. Gravel is fine to medium angular to subrounded of brick, concrete and flint		
			(0.70)			
6.00 D 009		4.06	6.00 6.0	Stained blue/black fine to coarse SAND and fine to medium angular flint GRAVEL		
				End of Borehole at 6.00 m		
			7.0			
			8.0			
			9.0			
			10.0			

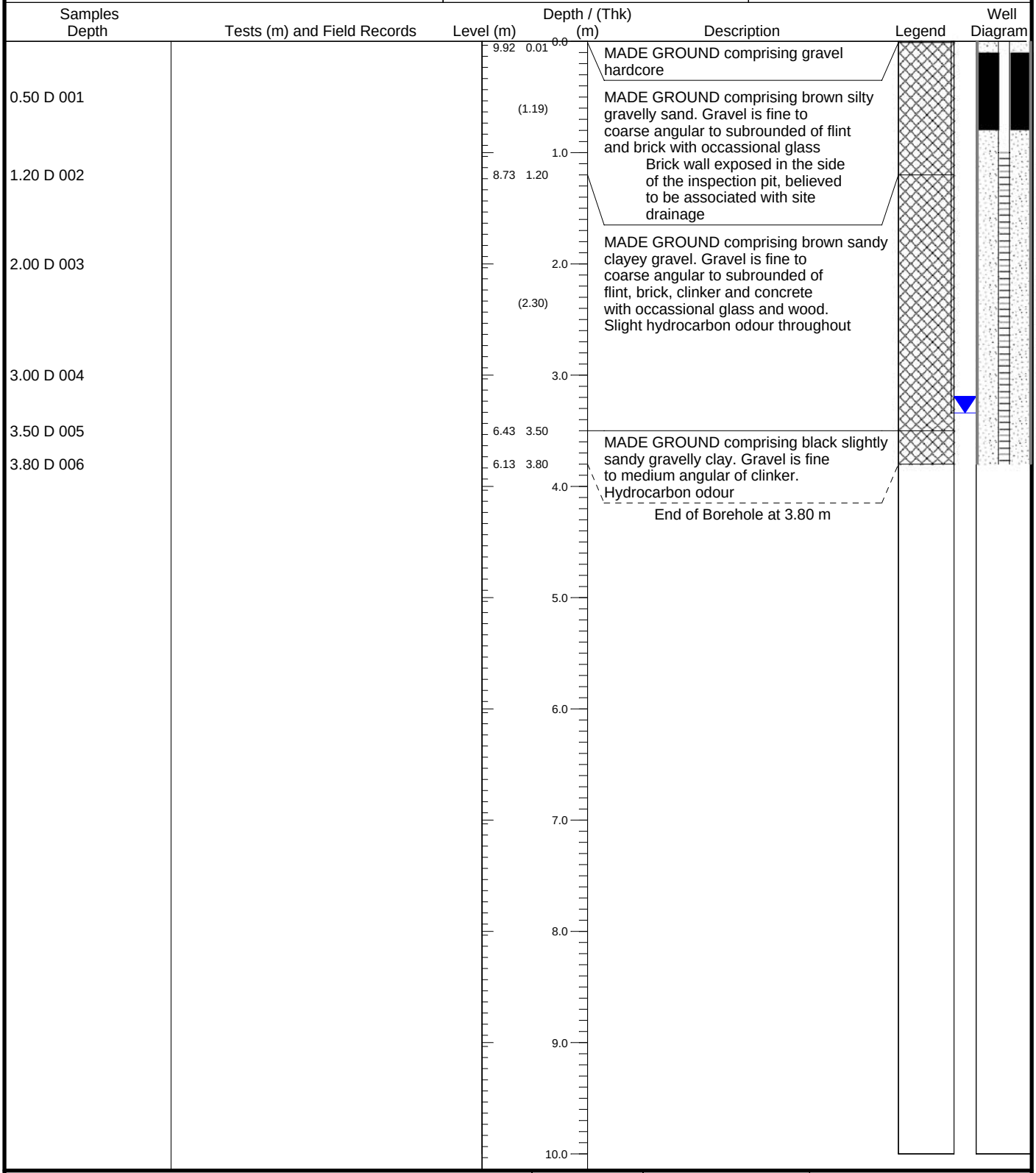
General Remarks:
Vacuum Excavation inspection pit to 1.2mbgl. 115mm diameter casing from ground level to 4.0mbgl and 92mm diameter sampler from 4.0mbgl to 6.0mbgl. Standpipe installed to 6.0mbgl. Resting groundwater 3.174mbgl during subsequent groundwater monitoring in December 2005.

Water Strikes		Chiselling			Borehole and Casing Details			
					Borehole		Casing	
Strike ▽	Level ▼	From: (m)	To: (m)	Time: (hr's)	Depth (m)	Diam. (mm)	Depth (m)	Diam. (mm)
0.000	3.174						6.00	50

Client: NATIONAL GRID PLC
Site: TOTTENHAM SUBSTATION
Project No: 10732

RSK GROUP PLC

Boring Method: Vacuum Excavation/Competitor Rig	Ground Level:	**Record of : BH10**
Date: 06/12/2005-12/12/2005	9.934m	Sheet 1 of 1
Driller: Mosley/GPS	Top of Casing Elevation (m):	Scale 1:50
Logged By: FW	9.924m	



General Remarks:
Vacuum Excavation inspection pit to 1.2mbgl. 115mm diameter casing from ground level to 2.0mbgl and 92mm diameter sampler from 2.0mbgl to 3.8mbgl. Standpipe installed to 3.8mbgl. Resting groundwater 3.340mbgl on completion.

Water Strikes		Chiselling			Borehole and Casing Details			
					Borehole		Casing	
Strike ▽	Level ▼	From: (m)	To: (m)	Time: (hr's)	Depth (m)	Diam. (mm)	Depth (m)	Diam. (mm)
0.000	3.340						3.80	50

Client: NATIONAL GRID PLC
Site: TOTTENHAM SUBSTATION
Project No: 10732

RSK GROUP PLC

Boring Method: Vacuum Excavation/Competitor Rig	Ground Level:	**Record of : BH11**
Date: 06/12/2005-13/12/2005	10.015m	Sheet 1 of 1
Driller: Mosley/GPS	Top of Casing Elevation (m):	Scale 1:50
Logged By: FW	9.950m	

Samples Depth	Tests (m) and Field Records	Level (m)	Depth / (Thk) (m)	Description	Legend	Well Diagram
		9.92	0.10	Grass over brown silty clayey TOPSOIL with rootlets and occasional medium subangular gravel of brick		
0.50 D 001			(1.10)	MADE GROUND comprising brown silty sandy gravel. Gravel is fine to medium subrounded to angular of flint and brick		
			1.0			
1.20 D 002		8.82	1.20	Metal bar uncovered SAP allowed drilling to continue		
			(1.00)	MADE GROUND comprising brown/grey/red silty gravelly sand. Gravel is fine to coarse angular to subrounded of brick, concrete, glass, flint and slate		
2.00 D 003			2.0			
		7.82	2.20			
		7.62	2.40	MADE GROUND comprising concrete		
		7.42	2.60	MADE GROUND comprising red brick		
			(0.70)	MADE GROUND comprising dark brown/red slightly clayey silty gravelly sand. Gravel is fine to coarse subangular of brick and concrete with occasional glass		
			3.0			
		6.72	3.30			
		6.62	3.40	MADE GROUND comprising red brick		
3.80 D 004						
4.00 D 005			4.0	MADE GROUND comprising black/grey sandy gravel. Gravel is fine to medium angular of flint and concrete with occasional wood and pockets of clay		
			(1.80)			
			5.0			
		4.82	5.20	Black/grey medium to coarse subangular SAND and fine to medium coarse angular flint GRAVEL. Hydrocarbon odour detected		
5.50 D 006		4.52	5.50	End of Borehole at 5.50 m		
			6.0			
			7.0			
			8.0			
			9.0			
			10.0			

General Remarks:
Vacuum Excavation inspection pit to 1.2mbgl. 115mm diameter casing from ground level to 4.0mbgl and 92mm diameter sampler from 4.0mbgl to 5.5mbgl. Standpipe installed to 5.5mbgl. Resting groundwater 3.460mbgl on completion.

Water Strikes		Chiselling			Borehole and Casing Details			
					Borehole		Casing	
Strike ▽	Level ▼	From: (m)	To: (m)	Time: (hr's)	Depth (m)	Diam. (mm)	Depth (m)	Diam. (mm)
0.000	3.460						5.00	50

Client: NATIONAL GRID PLC
Site: TOTTENHAM SUBSTATION
Project No: 10732

RSK GROUP PLC

Boring Method: Vacuum Excavation	Ground Level:	**Record of : BH12**
Date: 06/12/2005-06/12/2005	NOT DETERMINED	Sheet 1 of 1
Driller: Mosley Moling	Top of Casing Elevation (m):	Scale 1:50
Logged By: FW	-	

Samples Depth	Tests (m) and Field Records	Level (m)	Depth / (Thk) (m)	Description	Legend	Well Diagram
0.50 D 001			0.01	Grass over silty sandy TOPSOIL with occassional fine angular flint gravel and rootlets		
			(1.19)	MADE GROUND comprising brown silty sandy gravel. Gravel is medium to coarse angular to subangular of brick and flint		
1.20 D 002			1.20	End of Borehole at 1.20 m		

General Remarks:
Vacuum Excavation inspection pit to 1.2mbgl. Inspection pit abandoned.
No SAP on site to supervise drilling under pylon.

Water Strikes		Chiselling			Borehole and Casing Details			
					Borehole		Casing	
Strike ▽	Level ▼	From: (m)	To: (m)	Time: (hr's)	Depth (m)	Diam. (mm)	Depth (m)	Diam. (mm)

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MONITORING WELL LOG

BH1

Sheet 1 of 2

PROJECT No: 51603-00
SITE: Tottenham Marshes
CLIENT: NGPH

DATE: 24/04/13 - 01/05/13
LOGGED BY: Danreb Pablo
CONTRACTOR: CC Ground Investigations

EASTING: 535238.41
NORTHING: 191149.52
ELEVATION: 10.59 mAOD

mbgl	WATER LEVEL	WELL DEPTH	WELL DETAIL	LITHOLOGY LEGEND	LITHOLOGY DEPTH	DESCRIPTION	PID (ppm)	SAMPLE LABEL	SAMPLE DEPTH
0						MADE GROUND Brown to dark brown slightly gravelly sandy clay with fine to medium subangular gravels, plastics, bricks, slate, ashes, ceramic and paper. Sand is fine to medium. Roots and rootlets. No obvious olfactory evidence of contamination.		BH1/BS2	0.3 - 0.4 m
1								BH1/BS1	1.0 - 1.1 m
								SPT = 1	1.2 m
2	3.0 mbgl on 29/04/13						0.9	BH1/1	1.9 - 2.0 m
								BH1/BS3	1.9 - 2.1 m
									2.0 m
								SPT = 7	2.0 m
								BH1/2	1.9 - 2.1 m
3					3.00				
						Very soft grey to dark grey slightly sandy gravelly CLAY with fine to medium subangular gravels of flint. Sand is fine to medium. Weak hydrocarbon odour. [ALLUVIUM]			
4								SPT = 1	4.2 m
							6.3	BH1/3	4.2 - 4.3 m
									4.3 m
5									
		5.7 m			5.85				
		5.8 m						SPT = 37	5.85 m
6						Dense light grey to grey sandy fine to coarse subangular GRAVEL. Sand is fine to coarse. Weak hydrocarbon odour. [KEMPTON PARK GRAVEL]	1.0	BH1/BS3	5.9 - 6.0 m
									6.0 m
								SPT = 31	6.7 m
7					7.70				
		7.8 m				Firm to stiff grey to dark grey slightly sandy CLAY. Sand is fine to medium. No obvious visual or olfactory evidence of contamination. [LONDON CLAY FORMATION]			
8							3.6		7.9 m
		8.5 m						SPT = 19	8.55 m
9								BH1/4	8.5 - 8.6 m
10									

NOTES
Filter sock used within installation.

Drilling Method: Rotary Percussion
Borehole Diameter: 128 mm
Screen Material: HDPE
Screen Diameter: 50 mm
Screen Slot Size: 1 mm
Sand Particle Size: 2 - 3 mm

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

▽ Water Strike
▼ Rest Groundwater Level

All depths shown in metres below ground level.

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MONITORING WELL LOG

BH1

PROJECT No: 51603-00
SITE: Tottenham Marshes
CLIENT: NGPH

DATE: 24/04/13 - 01/05/13
LOGGED BY: Danreb Pablo
CONTRACTOR: CC Ground Investigations

EASTING: 535238.41
NORTHING: 191149.52
ELEVATION: 10.59 mAOD

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID (ppm)	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
11								SPT = 23	10.45 m
12								SPT = 23	12.45 m
13									
14								SPT = 25	14.3 m
15		15.0 m			15.00	End of borehole.			
						15 m			
16									
17									
18									
19									
20									

NOTES
Filter sock used within installation.

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: Rotary Percussion
Borehole Diameter: 128 mm
Screen Material: HDPE
Screen Diameter: 50 mm
Screen Slot Size: 1 mm
Sand Particle Size: 2 - 3 mm

All depths shown in metres below ground level.

3-8 Redcliffe Parade West, Bristol BS1 6SP. Tel. (0117) 925-1304

Reviewed By: PH

FILE:

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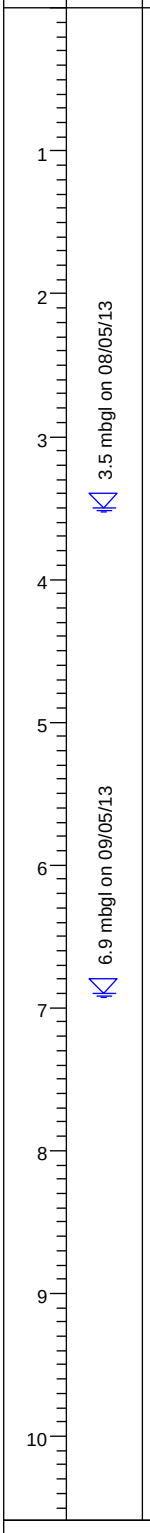
MONITORING WELL LOG

BH2

PROJECT No: 51603-00
SITE: Tottenham Marshes
CLIENT: NGPH

DATE: 08/05/13 - 09/05/13
LOGGED BY: Danreb Pablo
CONTRACTOR: CC Ground Investigations

EASTING: 535273.34
NORTHING: 191148.76
ELEVATION: 10.68 mAOD



WELL DEPTH	WELL DETAIL	LITHOLOGY LEGEND	LITHOLOGY DEPTH	DESCRIPTION	PID (ppm)	SAMPLE LABEL	SAMPLE DEPTH
				MADE GROUND Light brown slightly gravelly sandy reworked clay with fine to coarse subangular to subrounded gravels of brick, flint and occasional slate, clinker, wood and glass fragments. Some ashy patches above 2.2 mbgl. Roots and rootlets.		SPT = 4	1.2 m
					0.1	BH2/1 BH2/BS1 BH2/2 SPT = 4	1.9 - 2.0 m 1.9 - 2.1 m 2.0 - 2.1 m 2.0 m
					0.1		
						SPT = 7	3.55 m
					1.9		
						SPT = 7	4.55 m
						SPT = 24	5.7 m
			6.00	Grey, slightly sandy, fine to coarse subangular to subrounded GRAVEL of flint. Sand is fine to medium. Slight oily sheen and hydrocarbon odour. [KEMPTON PARK GRAVEL]	45.2	BH2/BS2	6.0 - 6.3 m
			6.30	Firm to stiff grey to dark grey, slightly sandy CLAY. Sand is fine to medium. No obvious visual or olfactory evidence of contamination. [LONDON CLAY FORMATION]	21.7	BH2/3	6.4 - 6.5 m
						SPT = 13	7.55 m
						SPT = 20	9.35 m

NOTES
Filter sock used with installation.

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: Rotary Percussion
Borehole Diameter: 128 mm
Screen Material: HDPE
Screen Diameter: 50 mm
Screen Slot Size: 1 mm
Sand Particle Size: 2 - 3 mm

All depths shown in metres below ground level.

Reviewed By: PH

FILE:

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MONITORING WELL LOG

BH2

Sheet 2 of 2

PROJECT No: 51603-00
SITE: Tottenham Marshes
CLIENT: NGPH

DATE: 08/05/13 - 09/05/13
LOGGED BY: Danreb Pablo
CONTRACTOR: CC Ground Investigations

EASTING: 535273.34
NORTHING: 191148.76
ELEVATION: 10.68 mAOD

mbgl	WATER LEVEL	WELL DEPTH	WELL DETAIL	LITHOLOGY LEGEND	LITHOLOGY DEPTH	DESCRIPTION	PID (ppm)	SAMPLE LABEL	SAMPLE DEPTH
11								SPT = 26	11.45 m
12									
13									
14								SPT = 24	14.1 m
15									
16								SPT = 30	15.7 m
17								SPT = 25	17.2 m
18									
19					19.10				
					19.20	Dark grey SANDSTONE. No obvious visual or olfactory evidence of contamination. [LAMBETH GROUP]			
						Grey to dark grey, clayey fine SAND with white nodules. [LAMBETH GROUP]		BH2/4 BH2/BS3	19.4-19.5 m 19.5-19.7 m
20					20.10				
		20.2 m			20.20	Greensih grey, slightly sandy CLAY. Sand is fine to medium. No obvious visual or olfactory evidence of contamination. [LAMBETH GROUP]			
						End of borehole.			
21						20.2 m			

NOTES
Filter sock used with installation.

Drilling Method: Rotary Percussion
Borehole Diameter: 128 mm
Screen Material: HDPE
Screen Diameter: 50 mm
Screen Slot Size: 1 mm
Sand Particle Size: 2 - 3 mm

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

▽ Water Strike
▼ Rest Groundwater Level

All depths shown in metres below ground level.

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MONITORING WELL LOG

BH3A

Sheet 1 of 2

PROJECT No: 51603-00
SITE: Tottenham Marshes
CLIENT: NGPH

DATE: 01/05/13 - 07/05/13
LOGGED BY: Danreb Pablo
CONTRACTOR: CC Ground Investigations

EASTING: 535289.82
NORTHING: 191131.55
ELEVATION: 10.66 mAOD

mbgl	WATER LEVEL	WELL DEPTH	WELL DETAIL	LITHOLOGY LEGEND	LITHOLOGY DEPTH	DESCRIPTION	PID (ppm)	SAMPLE LABEL	SAMPLE DEPTH
0						MADE GROUND Brown to dark brown slightly sandy slightly gravelly clay with fine to coarse subangular to subrounded gravels of brick, flint, concrete and occasional clinker, ceramic and slate. Roots and rootlets. No obvious olfactory evidence of contamination.			
					1.40			SPT = 3	1.2 m
						Soft grey to dark grey slightly gravelly sandy CLAY with fine to coarse sand and subangular to subrounded fine to medium gravels of flint. Some black organic bands. No obvious visual or olfactory evidence of contamination. [ALLUVIUM]		BH3A/1 BH3A/2.0 BH3A/2.0	1.8 - 1.9 m 1.8 - 2.0 m 1.9 - 2.0 m
						Becoming very soft brown and peaty at 3.70 mbgl. Organic odour.		SPT = 7	2.55 m
								SPT = 1	3.55 m
					3.90			BH3A/3	3.8 - 3.9 m
	4.27 mbgl on 20/05/13 4.20 mbgl on 28/05/13					Loose to medium dense brownish grey sandy fine to coarse subangular to rounded GRAVEL of flint. Sand is fine to coarse. Weak hydrocarbon odour. [KEMPTON PARK GRAVEL]		SPT = 3	4.55 m
		5.3 m 5.4 m							
					6.30			SPT = 21	6.0 m
		6.4 m				Firm to stiff brown becoming grey slightly sandy CLAY. No obvious visual or olfactory evidence of contamination. [LONDON CLAY FORMATION]		BH3A/4	6.4 - 6.5 m
								SPT = 16	8.05 m
		8.3 m							
								SPT = 19	9.5 m

NOTES
Filter sock used with installation.

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: Rotary Percussion
Borehole Diameter: 128 mm
Screen Material: HDPE
Screen Diameter: 50 mm
Screen Slot Size: 1 mm
Sand Particle Size: 2 - 3 mm

All depths shown in metres below ground level.

3-8 Redcliffe Parade West, Bristol BS1 6SP. Tel. (0117) 925-1304

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FILE:

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MONITORING WELL LOG

BH3A

PROJECT No: 51603-00
SITE: Tottenham Marshes
CLIENT: NGPH

DATE: 01/05/13 - 07/05/13
LOGGED BY: Danreb Pablo
CONTRACTOR: CC Ground Investigations

EASTING: 535289.82
NORTHING: 191131.55
ELEVATION: 10.66 mAOD

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID (ppm)	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
11									
12								SPT = 26	11.95 m
13									
14									
15		15.0 m			15.00	End of borehole.			
16						15 m			
17									
18									
19									
20									

NOTES
Filter sock used with installation.

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: Rotary Percussion
Borehole Diameter: 128 mm
Screen Material: HDPE
Screen Diameter: 50 mm
Screen Slot Size: 1 mm
Sand Particle Size: 2 - 3 mm

All depths shown in metres below ground level.

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Reviewed By: PH

FILE:

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MONITORING WELL LOG

BH5

PROJECT No: 51603-00
SITE: Tottenham Marshes
CLIENT: NGPH

DATE: 29/04/13
LOGGED BY: Sam Driscoll
CONTRACTOR: CC Ground Investigations

EASTING: 535328.59
NORTHING: 191110.55
ELEVATION: 10.16 mAOD

mbgl	WATER LEVEL	WELL DEPTH	WELL DETAIL	LITHOLOGY LEGEND	LITHOLOGY DEPTH	DESCRIPTION	PID (ppm)	SAMPLE LABEL	SAMPLE DEPTH
1	3.63 mbgl on 20/05/13 3.60 mbgl on 28/05/13				1.40	MADE GROUND Brown to dark grey, slightly gravelly sandy clay. Sand is fine to coarse. Gravels are fine to medium and angular to subrounded brick, concrete and stones. Occasional wood fragments. Rare clinker and very rare glass and tile shards. Roots and rootlets. No odour. At 1.2 mbgl fragments of china, metal (heavily rusted) and wood, along with degraded paper (probably newspaper). No date evident. Fragments of glass and clinker. No odour.	0.0		
2					2.20	MADE GROUND Light brown with orange mottled sandy clay. Sand is fine with rare wood fragments. No odour.	0.0	SPT = 0 BH5/2.0	1.65 m 1.9 - 2.0 m
3					3.20	MADE GROUND Brownish grey, slightly gravelly sandy clay. Fine sand with rare gravels of brick, china, glass and wood fragments, rusty orange mottling on clay. No odour.		SPT = 4	3.2 m
		3.6 m 3.7 m			3.70	Grey slightly sandy CLAY. Sand is fine to medium with occasional black organic pockets. Weak organic odour. No obvious visual or olfactory evidence of contamination. [ALLUVIUM]	0.0		
4					4.30	Medium dense light grey, clayey, gravelly, fine to coarse SAND. Gravels are fine to medium angular to subrounded of flint. No obvious visual or olfactory evidence of contamination [KEMPTON PARK GRAVEL]		SPT = 20 BH5/BS1	4.2 m 4.2 - 5.2 m
5						Medium dense light grey, gravelly, fine to coarse SAND with angular to rounded, fine to coarse gravels of flint. No obvious visual or olfactory evidence of contamination. [KEMPTON PARK GRAVEL]	0.0	SPT = 26 BH5/1	4.65 m 4.6 - 4.8 m
6								BH5/BS2 SPT = 37	5.5 - 6.5 m 5.75 m
		6.7 m			7.30				
7						Firm to stiff grey slightly sandy CLAY. No obvious visual or olfactory evidence of contamination. [LONDON CLAY FORMATION]	0.0		
8								SPT = 14	7.75 m
9								SPT = 18	9.5 m
10									

NOTES

Drilling polymer used to flush casing into the clay once gravels had been sampled.
Filter sock used with installation.

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: Rotary percussion
Borehole Diameter: 128 mm
Screen Material: HDPE
Screen Diameter: 50 mm (ID)
Screen Slot Size: 1 mm
Sand Particle Size: 2 - 3 mm

All depths shown in metres below ground level.

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MONITORING WELL LOG

BH5

PROJECT No: 51603-00
SITE: Tottenham Marshes
CLIENT: NGPH

DATE: 29/04/13
LOGGED BY: Sam Driscoll
CONTRACTOR: CC Ground Investigations

EASTING: 535328.59
NORTHING: 191110.55
ELEVATION: 10.16 mAOD

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID (ppm)	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
11								SPT = 25	11.0 m
12								SPT = 27	12.5 m
13								SPT = 28	13.55 m
14									
15		15.05 m			15.05	End of borehole. 15.05 m		SPT = 30	15.05 m
16									
17									
18									
19									
20									

NOTES

Drilling polymer used to flush casing into the clay once gravels had been sampled.
Filter sock used with installation.

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: Rotary percussion
Borehole Diameter: 128 mm
Screen Material: HDPE
Screen Diameter: 50 mm (ID)
Screen Slot Size: 1 mm
Sand Particle Size: 2 - 3 mm

All depths shown in metres below ground level.

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MONITORING WELL LOG

BH6

Sheet 1 of 2

PROJECT No: 51603-00
SITE: Tottenham Marshes
CLIENT: NGPH

DATE: 01/05/13
LOGGED BY: Sam Driscoll
CONTRACTOR: CC Ground Investigations

EASTING: 535379.19
NORTHING: 191151.32
ELEVATION: 10.53 mAOD

mbgl	WATER LEVEL	WELL DEPTH	WELL DETAIL	LITHOLOGY LEGEND	LITHOLOGY DEPTH	DESCRIPTION	PID (ppm)	SAMPLE LABEL	SAMPLE DEPTH
0					0.20	MADE GROUND Brown sandy clay topsoil with rootlets.			
						MADE GROUND Dark grey, gravelly, fine to coarse sand. Angular to subrounded, fine to medium gravels of clinker with occasional flint and brick. Rare glass and ceramic fragments. No odour.	0.0		
1						At 1.2 mbgl becoming brown with more flint gravels, less brick.		SPT = 1	1.65 m
					1.80				
						MADE GROUND Black fine to medium SAND. No obvious olfactory evidence of contamination.		BH6/2	1.9 - 2.0 m
2					2.40		0.0		
						Becoming slightly clayey from 2.30 mbgl.		SPT = 5	2.65 m
						Greyish brown, slightly sandy CLAY. No obvious visual or olfactory evidence of contamination. [ALLUVIUM]			
3							0.0		
					3.50				
						Brownish grey, clayey, fine to medium SAND. No obvious visual or olfactory evidence of contamination. [KEMPTON PARK GRAVEL]	0.0	BH6/1	3.8 - 4.0 m Duplicate B
4	4.27 mbgl on 20/05/13 4.14 mbgl on 28/05/13					Rare to occasional, fine to medium, subangular to subrounded flint gravels within sand from 4.3 mbgl.		SPT = 4	4.2 m
		4.9 m 5.0 m							
5					5.20			SPT = 10	5.2 m
						Medium dense brownish grey, sandy, fine to coarse, angular to subrounded GRAVEL of flint. Sand is medium to coarse. Weak hydrocarbon odour. [KEMPTON PARK GRAVEL]	0.4	BH6/BS1	5.2 - 6.2 m
								SPT = 20	5.65 m
6						Becoming slightly clayey from 6.6 mbgl.			
					6.70			SPT = 21	6.65 m
						Grey, slightly gravelly, slightly sandy CLAY. Gravels are angular to subrounded fine flints with fine sand within clay. No obvious visual or olfactory evidence of contamination. [KEMPTON PARK GRAVEL]	6.8	BH6/BS2	7.2 - 7.7 m
7					7.20			BH6/3	7.4 - 7.8 m
						Grey, slightly sandy, very clayey, fine to coarse, angular to subrounded GRAVELS of flint. Weak hydrocarbon odour. [KEMPTON PARK GRAVEL]			
		7.8 m			7.80				
8						Firm to stiff grey, slightly sandy CLAY. No obvious visual or olfactory signs of contamination. [LONDON CLAY FORMATION]	0.0	SPT = 14	8.05 m 8.1 m
9									
								SPT = 21	9.7 m
10									

NOTES
Filter sock used with installation.

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: Rotary percussion
Borehole Diameter: 128 mm
Screen Material: HDPE
Screen Diameter: 50 mm (ID)
Screen Slot Size: 1 mm
Sand Particle Size: 2 - 3 mm

All depths shown in metres below ground level.

3-8 Redcliffe Parade West, Bristol BS1 6SP. Tel. (0117) 925-1304

Reviewed By: PH

FILE:

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MONITORING WELL LOG

BH6

PROJECT No: 51603-00
SITE: Tottenham Marshes
CLIENT: NGPH

DATE: 01/05/13
LOGGED BY: Sam Driscoll
CONTRACTOR: CC Ground Investigations

EASTING: 535379.19
NORTHING: 191151.32
ELEVATION: 10.53 mAOD

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID (ppm)	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
11								SPT = 33	10.75 m
12								SPT = 30	12.3 m
13		12.9 m			12.90	End of borehole. 12.9 m			
14									
15									
16									
17									
18									
19									
20									

NOTES
Filter sock used with installation.

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: Rotary percussion
Borehole Diameter: 128 mm
Screen Material: HDPE
Screen Diameter: 50 mm (ID)
Screen Slot Size: 1 mm
Sand Particle Size: 2 - 3 mm

All depths shown in metres below ground level.

3-8 Redcliffe Parade West, Bristol BS1 6SP. Tel. (0117) 925-1304

Reviewed By: PH

FILE:

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MONITORING WELL LOG

BH7

Sheet 1 of 2

PROJECT No: 51603-00
SITE: Tottenham Marshes
CLIENT: NGPH

DATE: 24/04/13 - 25/04/13
LOGGED BY: Phil Harrison
CONTRACTOR: CC Ground Investigations

EASTING: 535465.29
NORTHING: 191424.89
ELEVATION: 10.80 mAOD

mbgl	WATER LEVEL	WELL DEPTH	WELL DETAIL	LITHOLOGY LEGEND	LITHOLOGY DEPTH	DESCRIPTION	PID (ppm)	SAMPLE LABEL	SAMPLE DEPTH
0						MADE GROUND Dark brown, clayey, gravelly sand. Sand is fine to coarse. Gravel is subangular to subrounded flint, brick, wood and coal. Occasional roots and rootlets. No obvious visual or olfactory evidence of contamination. Below 0.2 mbgl fragments of glass, ceramic and metal.	0.3		0.5 m
1					0.75	MADE GROUND Reddish brown, sllightly clayey, sandy gravel. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse flint, brick and concrete with occasional cobbles of brick. Occasional roots and rootlets. No obvious visual or olfactory evidence of contamination	0.0	BH7/2.0 SPT = 7	1.4 - 2.0 m 1.5 m 1.65 m
2	3.62 mbgl on 20/05/13 3.59 mbgl on 28/05/13				1.50 2.20	MADE GROUND Reddish brown, clayey, gravelly sand. Sand is fine to coarse. Gravel is angular to subrounded, fine to medium flint and brick. No obvious visual or olfactory evidence of contamination.		SPT = 14	2.65 m
3						Firm, grey, slightly sandy CLAY. Orange and black mottling throughout. Slight organic odour. No obvious visual or olfactory evidence of contamination. [ALLUVIUM] Between 3.2 mbgl and 4.2 mbgl becoming soft with occasional pockets of peat.			
4					4.20	Soft greenish dark grey CLAY. Strong organic odour. No obvious visual or olfactory evidence of contamination. Occasional medium to coarse, subangular to rounded gravels of flint from 4.7 mbgl.	0.0	SPT = 7 SPT = 3	**4.2 m** 4.65 m
5		4.7 m 4.8 m			4.80 5.10	Yellow and grey, slightly clayey, gravelly, fine to coarse SAND. Gravels are subangular to rounded fine to coarse flint. Moderate hydrocarbon odour. Becoming more gravelly and less clayey with depth. [KEMPTON PARK GRAVELS]	0.0 0.4	BH7/BS1 SPT = 13	5.0 - 6.0 m 5.1 m 5.65 m
6						Medium dense yellowish grey, sandy, fine to coarse, angular to rounded GRAVEL of flint with medium to coarse sand. (Fines may have been flushed out by drilling process). Weak hydrocarbon odour. No odour from 6.0 mbgl.	0.1		6.0 m
7		6.5 m			6.40	Stiff brownish grey, slightly sandy CLAY. No obvious visual or olfactory evidence of contamination. [LONDON CLAY FORMATION]		SPT = 24	6.65 m
8								SPT = 18	8.3 m
9									
10								SPT = 20	9.8 m

NOTES
Filter sock used with installation.

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: Rotary percussion
Borehole Diameter: 128 mm
Screen Material: HDPE
Screen Diameter: 50 mm
Screen Slot Size: 1 mm
Sand Particle Size: 2 - 3 mm

All depths shown in metres below ground level.

3-8 Redcliffe Parade West, Bristol BS1 6SP. Tel. (0117) 925-1304

Reviewed By: PH

FILE:

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MONITORING WELL LOG

BH7

PROJECT No: 51603-00
SITE: Tottenham Marshes
CLIENT: NGPH

DATE: 24/04/13 - 25/04/13
LOGGED BY: Phil Harrison
CONTRACTOR: CC Ground Investigations

EASTING: 535465.29
NORTHING: 191424.89
ELEVATION: 10.80 mAOD

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID (ppm)	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
11								SPT = 21	11.3 m
12									
13								SPT = 24	12.9 m
14								SPT = 28	13.85 m
15		14.9 m			14.90	End of borehole. 14.9 m		SPT = 30	15.35 m
16									
17									
18									
19									
20									

NOTES
Filter sock used with installation.

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: Rotary percussion
Borehole Diameter: 128 mm
Screen Material: HDPE
Screen Diameter: 50 mm
Screen Slot Size: 1 mm
Sand Particle Size: 2 - 3 mm

All depths shown in metres below ground level.

3-8 Redcliffe Parade West, Bristol BS1 6SP. Tel. (0117) 925-1304

Reviewed By: PH

FILE:

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MONITORING WELL LOG

BH8

Sheet 1 of 2

PROJECT No: 51603-00
SITE: Tottenham Marshes
CLIENT: NGPH

DATE: 08/05/13
LOGGED BY: Sam Driscoll
CONTRACTOR: CC Ground Investigations

EASTING: 535443.52
NORTHING: 191448.74
ELEVATION: 9.92 mAOD

mbgl	WATER LEVEL	WELL DEPTH	WELL DETAIL	LITHOLOGY LEGEND	LITHOLOGY DEPTH	DESCRIPTION	PID (ppm)	SAMPLE LABEL	SAMPLE DEPTH
0					0.20	MADE GROUND Topsoil with brambles, nettles and grass.			
1	2.92 mbgl on 20/05/13 2.85 mbgl on 28/05/13				1.40	MADE GROUND Brown to grey slightly clayey gravelly fine to medium sand with subangular to subrounded fine to coarse gravels of flint and brick. Cobbles of brick. Becoming darker grey with organic material from 0.6 mbgl. Slight organic odour.			
2					2.30	Light brown to grey with orange mottling slightly sandy moist CLAY. Sand is fine. No obvious visual or olfactory evidence of contamination. [ALLUVIUM]		SPT = 7 BH8/2.0	1.65 m 1.9 - 2.2 m 1.9 - 2.0 m
3		2.9 m 3.0 m			3.10	Dark grey clayey fine to medium SAND with some decaying wood fragments. Strong hydrocarbon odour. Becoming gravelly from 3.0 mbgl.	0.6 32.2	BH8/1 Duplicate C	2.3 - 2.4 m 2.5 - 2.7 m 2.5 - 2.7 m
4					6.00	Medium dense dark grey sandy angular to subrounded fine to coarse GRAVEL of flint with medium to coarse sand. Oily sheen and strong hydrocarbon/creosote odour. [KEMPTON PARK GRAVEL] Below 4.2 mbgl - odour becomes slight. Oily sheen not evident.	566.8	SPT = 5 BH8/BS1 BH8/3	3.2 m 3.1 - 4.1 m 3.5 - 3.6 m 3.5 - 3.7 m
5							0.0	SPT = 19	4.65 m
6		6.3 m			6.20	Dark grey slightly clayey gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of flint. [KEMPTON PARK GRAVEL]		SPT = 14 BH8/BS2	5.65 m 5.5 - 6.5 m
7						Stiff brownish grey slightly sandy CLAY with fine to medium sand sized selenite. Sand is fine. No obvious visual or olfactory evidence of contamination. [LONDON CLAY FORMATION]	0.0		5.0 - 5.2 m 6.0 - 6.2 m
8								SPT = 17	6.65 m
9							0.0		8.0 - 8.2 m
10								SPT = 17 SPT = 19	8.4 m 9.8 m

NOTES

Between 4.2 and 6.2 mbgl suspected fines washed out by drilling process.
Filter sock used with installation.

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: Rotary Percussion
Borehole Diameter: 128 mm
Screen Material: HDPE
Screen Diameter: 50 mm
Screen Slot Size: 1 mm
Sand Particle Size: 2 - 3 mm

All depths shown in metres below ground level.

3-8 Redcliffe Parade West, Bristol BS1 6SP. Tel. (0117) 925-1304

Reviewed By: PH

FILE:

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MONITORING WELL LOG

BH8

Sheet 2 of 2

PROJECT No: 51603-00
SITE: Tottenham Marshes
CLIENT: NGPH

DATE: 08/05/13
LOGGED BY: Sam Driscoll
CONTRACTOR: CC Ground Investigations

EASTING: 535443.52
NORTHING: 191448.74
ELEVATION: 9.92 mAOD

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID (ppm)	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
11							0.0	SPT = 21	11.0 - 11.2 m 11.3 m
12									
13								SPT = 25	12.8 m
14								SPT = 31	13.8 m
15		15.0 m			15.00	End of borehole. 15 m		44/34cm (refusal)	15.09 m
16									
17									
18									
19									
20									

NOTES

Between 4.2 and 6.2 mbgl suspected fines washed out by drilling process.
Filter sock used with installation.

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: Rotary Percussion
Borehole Diameter: 128 mm
Screen Material: HDPE
Screen Diameter: 50 mm
Screen Slot Size: 1 mm
Sand Particle Size: 2 - 3 mm

All depths shown in metres below ground level.

3-8 Redcliffe Parade West, Bristol BS1 6SP. Tel. (0117) 925-1304

Reviewed By: PH

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MONITORING WELL LOG

BH9

Sheet 1 of 1

PROJECT No: 51603-00
SITE: Tottenham Marshes
CLIENT: NGPH

DATE: 10/05/13
LOGGED BY: Sam Driscoll
CONTRACTOR: CC Ground Investigations

EASTING: 535454.83
NORTHING: 191485.65
ELEVATION: 10.02 mAOD

mbgl	WATER LEVEL	WELL DEPTH	WELL DETAIL	LITHOLOGY LEGEND	LITHOLOGY DEPTH	DESCRIPTION	PID (ppm)	SAMPLE LABEL	SAMPLE DEPTH
0					0.40	MADE GROUND Topsoil (brown clayey gravelly sand) with grass, nettles and brambles.			
1					1.30	MADE GROUND Dark grey sandy subangular to subrounded fine to medium gravels of clinker, flint and brick with fine to coarse ashy sand. Occasional to rare tile fragments, glass and concrete. No obvious olfactory evidence of contamination.			
2	2.84 mbgl on 20/05/13 2.80 mbgl on 28/05/13					Orange mottled light brown sandy moist CLAY with fine sand and very slight hydrocarbon odour (becoming stronger with depth). [ALLUVIUM] Becoming grey with fewer mottles from 1.6 mbgl.		BH9/2.0 BH9/2.0 SPT = 3	1.9 - 2.0 m 1.8 - 2.2 m 2.3 m
3		3.0 m 3.1 m			3.20	Slightly peaty with some wood fragments from 2.9 - 3.1 mbgl. Hydrocarbon odour becoming stronger with depth.	47.6	BH9/1 SPT = 12	2.5 - 2.6 m 2.5 - 2.7 m 3.3 m
4						Medium dense grey to light grey gravelly medium to coarse SAND with angular to subrounded fine to coarse flint gravels. Oily sheen (greeny/yellow) with strong hydrocarbon/creosote odour. [KEMPTON PARK GRAVEL]	120.8 149.7	BH9/3 SPT = 9	3.2 - 3.4 m 3.5 - 3.6 m 3.75 m
5						Becomes lighter in colour with no oily sheen from 3.6 mbgl. Odour becomes weaker with depth, but still present throughout.	3.6	BS1 BS2 SPT = 19	3.3 - 4.3 m 4.5 - 5.5 m 4.75 m 5.1 m
6		5.9 m			5.70	Firm to stiff grey slightly sandy CLAY. Very faint hydrocarbon odour to 5.9 mbgl. [LONDON CLAY FORMATION] No obvious visual or olfactory evidence of contamination from 5.9 mbgl.	0.0	SPT = 17	5.75 m 5.8 - 5.9 m
7								SPT = 16	7.3 m
8									
9								SPT = 19	8.6 m
10		10.05 m			10.05	End of borehole. 10.05 m		SPT = 20	10.1 m

NOTES

Possible loss of fines and flushing of oily contaminants from 4.3 mbgl due to drilling process.
Filter sock used with installation.

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: Rotary Percussion
Borehole Diameter: 128 mm
Screen Material: HDPE
Screen Diameter: 50 mm
Screen Slot Size: 1 mm
Sand Particle Size: 2 - 3 mm

All depths shown in metres below ground level.

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MONITORING WELL LOG

BH10

Sheet 1 of 1

PROJECT No: 51603-00
SITE: Tottenham Marshes
CLIENT: NGPH

DATE: 15/01/13
LOGGED BY: Phil Harrison
CONTRACTOR: CC Ground Investigations

EASTING: 535421.71
NORTHING: 191498.68
ELEVATION: 10.19 mAOD

mbgl	WATER LEVEL	WELL DEPTH	WELL DETAIL	LITHOLOGY LEGEND	LITHOLOGY DEPTH	DESCRIPTION	PID (ppm)	SAMPLE LABEL	SAMPLE DEPTH
0					0.35	MADE GROUND Light brown slightly sandy gravelly clay. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of flint and brick. Occasional rootlets.	0.0		0.0 - 0.35 m
							16.2		0.35 - 1.2 m
1					1.20	MADE GROUND Black slightly clayey gravelly sand. Sand is fine to coarse with much ash. Gravel is angular to subrounded fine to coarse of brick, clinker, sandstone, flint, slag and wood. Slight hydrocarbon odour.		SPT = 5	1.2 m
							77.9	BH10/1	1.3 - 1.5 m
					1.60	MADE GROUND Soft dark grey to black slightly sandy subangular to subrounded fine to coarse gravels of flint with rare brick, concrete, clinker and sandstone. Moist throughout with strong hydrocarbon odour.	1055		1.6 - 1.8 m
2	3.00 mbgl on 20/05/13 2.35 mbgl on 15/01/13 2.97 mbgl on 28/05/13				1.90			BH10/2.0	1.9 - 2.0 m
							333.8		2.0 - 2.2 m
								SPT = 4	2.2 m
					2.70	MADE GROUND Dark grey slightly gravelly sandy clay. Sand is fine to coarse. Gravel is subangular to subrounded fine to medium of flint, sandstone and brick. Oily sheen in places within the clay. Strong hydrocarbon odour.	1430		2.8 - 3.0 m
3		3.0 m			3.00				
		3.2 m			3.20	Very soft to soft grey sandy CLAY with orange fine to medium sand. Occasional sheen within clay. Strong hydrocarbon odour. [ALLUVIUM]	912.4		3.3 - 3.5 m
								SPT = 18	3.75 m
4					4.20	Dark grey to black sandy CLAY. Sand is fine to medium. Strong hydrocarbon odour. [ALLUVIUM]	1526	BH10/3	3.8 - 4.1
					4.70	Firm dark brown to black amorphous organic silty CLAY. Moderate hydrocarbon odour. [ALLUVIUM]	184.6		4.5 - 4.7 m
								SPT = 19	4.7 m
5						Medium dense dark brown to black slightly clayey sandy subangular to subrounded fine to medium GRAVEL of flint with fine to coarse sand. Slight sheen with strong hydrocarbon odour. [KEMPTON PARK GRAVEL] Becoming medium density sandy GRAVEL from 3.5 mbgl. Sheen is more evident and stronger hydrocarbon odour.			
								SPT = 20	5.7 m
6							79.9		5.8 - 6.0 m
						Greyish light brown gravelly fine to coarse SAND with subangular to subrounded fine to coarse gravels of flint. No obvious visual contamination within sediments, but strong hydrocarbon odour and tar observed in drilling flush water. [KEMPTON PARK GRAVEL]	85.8		6.3 - 6.5 m
								SPT = 18	6.7 m
7					7.20	Medium dense grey sandy angular to subrounded fine to coarse GRAVEL of flint with fine to coarse sand. No obvious visual contamination observed. Moderate hydrocarbon odour. [KEMPTON PARK GRAVEL]	2506	BH10/4	6.9 - 7.2 m
		7.3 m							
						Odour becomes weaker with depth, but still evident.		U100	7.7 - 8.15 m
8						Firm to stiff grey slightly sandy CLAY. No obvious visual evidence of contamination. Very slight chemical odour (not typical gasworks or fuel - saline/salty odour). [LONDON CLAY FORMATION]		SPT = 18	8.25 m
9									
								U70	9.6 - 10.05 m
10					10.50			SPT = 18	10.05 m
		10.5 m				End of borehole.			
11						10.5 m			

NOTES
Water strike at 2.35 mbgl after 20 minutes.

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: Rotary percussion
Borehole Diameter: 128 mm
Screen Material: HDPE
Screen Diameter: 50 mm
Screen Slot Size: 1 mm
Sand Particle Size: 2 - 3 mm

All depths shown in metres below ground level.

3-8 Redcliffe Parade West, Bristol BS1 6SP. Tel. (0117) 925-1304

Reviewed By: PH

FILE:

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MONITORING WELL LOG

BH11

Sheet 1 of 2

PROJECT No: 51603-00
SITE: Tottenham Marshes
CLIENT: NGPH

DATE: 18/04/13, 19/04/13
LOGGED BY: Danreb Pablo
CONTRACTOR: CC Ground Investigations

EASTING: 535375.44
NORTHING: 191422.20
ELEVATION: 10.44 mAOD

mbgl	WATER LEVEL	WELL DEPTH	WELL DETAIL	LITHOLOGY LEGEND	LITHOLOGY DEPTH	DESCRIPTION	PID (ppm)	SAMPLE LABEL	SAMPLE DEPTH
					0.10	MADE GROUND Asphalt.			
					0.40	MADE GROUND Concrete (non-reinforced).	0.0		
1	2.24 mbgl on 20/05/13 2.21 mbgl on 28/05/13				1.20	MADE GROUND Light brown slightly clayey gravelly fine to coarse sand with gravels of subangular to subrounded fine to coarse sandstone and flint. Occasional brick and glass fragments.		SPT = 2	1.2 m
						Very soft dark grey to black slightly gravelly sandy CLAY. Sand is fine to medium. Gravel is subangular fine to medium of flint. Strong hydrocarbon odour. [ALLUVIUM]		BH11/BS2 BH11/2.0	1.8 - 2.0 m 1.9 - 2.0 m
2							72.1		2.1 m
					2.65				
					2.80	Very loose dark grey to black clayey subangular to subrounded fine to medium GRAVEL. Moderate hydrocarbon odour. [ALLUVIUM]	2.3	SPT = 3	2.65 m 2.75 m
3						Soft dark grey to black slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to medium of flint. Sand is fine to medium. Moderate hydrocarbon odour. [ALLUVIUM]	0.9		3.0 m
					3.90		0.8	BH11/1	3.4 m 3.4 - 3.6 m
								SPT = 12	3.75 m
4		4.1 m 4.2 m			4.20	Dark brown silty organic CLAY. Peaty. Moderate hydrocarbon odour. [ALLUVIUM]		BH11/BS1	4.2 - 5.2 m
						Dense grey sandy subangular fine to coarse GRAVEL. Sand is fine to coarse. [KEMPTON PARK GRAVEL]		SPT = 33	4.75 m 4.8 m
5						Becoming medium density from 5.6 mbgl.	1.4	BH11/3	5.3 - 5.5 m
								SPT = 12	5.2 m
					5.90				
6					6.10	Dark grey to black slightly sandy CLAY. Sand is fine to medium. Slight oily sheen with strong hydrocarbon odour. [KEMPTON PARK GRAVEL]	7.2		6.0 m
					6.40			SPT = 16	6.3 m
		6.5 m				Medium density grey sandy subangular fine to coarse GRAVEL. Sand is fine to coarse. Oily sheen on gravels. [KEMPTON PARK GRAVEL]		BH11/4	6.8 - 6.9 m
7		7.2 m				Stiff grey slightly sandy CLAY. [LONDON CLAY FORMATION]			
							1.8		7.5 m
8								SPT = 24	8.25 m
9									
								SPT = 26	9.65 m
10					10.05				

NOTES

Drilling polymer used to flush casing from 6.1 - 6.9 mbgl.
Filter sock used with installation.

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: Rotary Percussion
Borehole Diameter: 128 mm
Screen Material: HDPE
Screen Diameter: 50 mm
Screen Slot Size: 1 mm
Sand Particle Size: 2 - 3 mm

All depths shown in metres below ground level.

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MONITORING WELL LOG

BH11

Sheet 2 of 2

PROJECT No: 51603-00
SITE: Tottenham Marshes
CLIENT: NGPH

DATE: 18/04/13, 19/04/13
LOGGED BY: Danreb Pablo
CONTRACTOR: CC Ground Investigations

EASTING: 535375.44
NORTHING: 191422.20
ELEVATION: 10.44 mAOD

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID (ppm)	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
11								SPT = 24	11.4 m
12									
13								SPT = 25	12.9 m
14									
15									
		15.6 m			15.60	Becoming hard below 15.6 mbgl End of borehole. 15.6 m		SPT = >30	15.6 m
16									
17									
18									
19									
20									

NOTES

Drilling polymer used to flush casing from 6.1 - 6.9 mbgl.
Filter sock used with installation.

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: Rotary Percussion
Borehole Diameter: 128 mm
Screen Material: HDPE
Screen Diameter: 50 mm
Screen Slot Size: 1 mm
Sand Particle Size: 2 - 3 mm

All depths shown in metres below ground level.

3-8 Redcliffe Parade West, Bristol BS1 6SP. Tel. (0117) 925-1304

Reviewed By: PH

FILE:

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MONITORING WELL LOG

BH12

Sheet 1 of 2

PROJECT No: 51603-00
SITE: Tottenham Marshes
CLIENT: NGPH

DATE: 23/04/13
LOGGED BY: Danreb Pablo
CONTRACTOR: CC Ground Investigations

EASTING: 535368.78
NORTHING: 191395.78
ELEVATION: 10.42 mAOD

mbgl	WATER LEVEL	WELL DEPTH	WELL DETAIL	LITHOLOGY LEGEND	LITHOLOGY DEPTH	DESCRIPTION	PID (ppm)	SAMPLE LABEL	SAMPLE DEPTH
					0.10				
					0.25	MADE GROUND Tarmacadam.			
						MADE GROUND Concrete (non-reinforced).	1.3	BH12/1	0.4 - 0.6 m 0.5 m
1	1.2 mbgl on 24/04/13 1.4 mbgl on 29/04/13					MADE GROUND Medium density dark brown slightly clayey gravelly fine to coarse sand with subangular fine to coarse gravels of flint, brick and sandstone. Slight hydrocarbon odour.		SPT = 14	1.2 m
					1.60	Some cobbles of concrete from 1.0 mbgl.			
2						MADE GROUND Loose to medium density grey to dark grey slightly clayey sandy subangular fine to coarse gravel with brick, sandstone and wood. Sand is fine to coarse. Strong hydrocarbon odour.	1.6	BH12/2.0	1.8 m 1.9 - 2.0 m
								SPT = 11	2.2 m
3	3.36 mbgl on 20/05/13 3.28 mbgl on 28/05/13						1757	BH12/3 SPT = 9	3.0 m 3.0 - 3.2 m 3.2 m
					3.40				
						Dark grey to black slightly gravelly slightly sandy CLAY. Gravel is subangular to subrounded fine to medium. Sand is fine to medium. Strong hydrocarbon odour. [ALLUVIUM]			
4							629		3.8 m
					4.20				
						Very soft plastic dark grey to black slightly sandy CLAY/amorphous PEAT. Sand is fine to medium. Strong hydrocarbon odour. [ALLUVIUM]		SPT = 0 BH12/4	4.2 m 4.3 - 4.4 m
		4.6 m 4.7 m			4.70				
						Dense grey sandy subangular fine to coarse GRAVEL. Sand is fine to coarse. [KEMPTON PARK GRAVEL]		BH12/BS1	5.0 - 5.1 m
5								SPT = 38	5.3 m
								SPT = 37	6.0 m
6						Slight oily sheen from 6.3 mbgl.			
					6.40		307.1	BH12/5	6.3 m 6.3 - 6.4 m
		6.5 m				Firm to stiff grey to dark grey slightly sandy CLAY. Sand is fine to medium. [LONDON CLAY FORMATION]	51.6		6.5 m
7								SPT = 18	7.45 m
8								BH12/6 Duplicate A	8.0 - 8.2 m 8.0 - 8.2 m
		8.3 m				Slight hydrocarbon odour from 8.3 mbgl.	1.9		8.3 m
9								SPT = 19	9.45 m
10					10.05				

NOTES

Hand pit to 1.2 mbgl though large cobble encountered at 1.0 mbgl. Core barrel used to remove this cobble.
Filter sock used with installation.

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: Rotary Percussion
Borehole Diameter: 128 mm
Screen Material: HDPE
Screen Diameter: 50 mm
Screen Slot Size: 1 mm
Sand Particle Size: 2 - 3 mm

All depths shown in metres below ground level.

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MONITORING WELL LOG

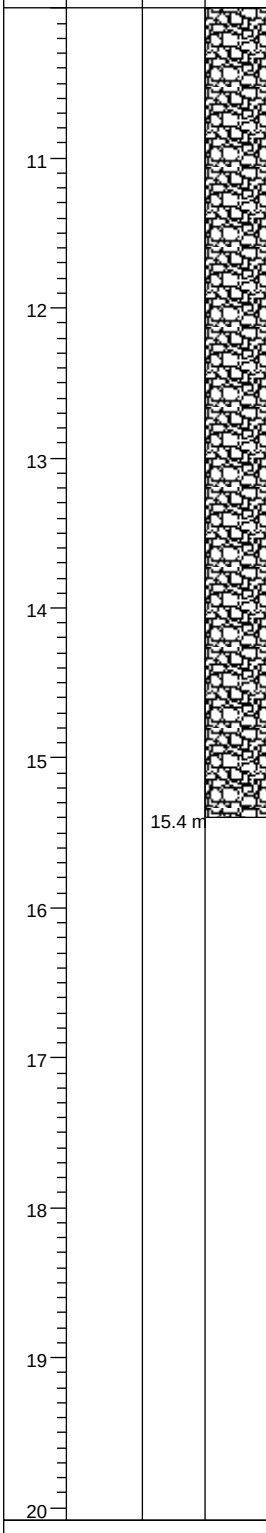
BH12

Sheet 2 of 2

PROJECT No: 51603-00
SITE: Tottenham Marshes
CLIENT: NGPH

DATE: 23/04/13
LOGGED BY: Danreb Pablo
CONTRACTOR: CC Ground Investigations

EASTING: 535368.78
NORTHING: 191395.78
ELEVATION: 10.42 mAOD



mbgl	WATER LEVEL	WELL DEPTH	WELL DETAIL	LITHOLOGY LEGEND	LITHOLOGY DEPTH	DESCRIPTION	PID (ppm)	SAMPLE LABEL	SAMPLE DEPTH
								SPT = 24	11.4 m
							0.6	SPT = 22	12.8 m 12.9 m
					15.40	Becoming hard from 15.4 mbgl. End of borehole. 15.4 m		SPT = 50	15.4 m

NOTES

Hand pit to 1.2 mbgl though large cobble encountered at 1.0 mbgl. Core barrel used to remove this cobble.
Filter sock used with installation.

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: Rotary Percussion
Borehole Diameter: 128 mm
Screen Material: HDPE
Screen Diameter: 50 mm
Screen Slot Size: 1 mm
Sand Particle Size: 2 - 3 mm

All depths shown in metres below ground level.

3-8 Redcliffe Parade West, Bristol BS1 6SP. Tel. (0117) 925-1304

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MONITORING WELL LOG

BH12-01

Sheet 1 of 1

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 DEPTH	WELL DETAIL	LITHOLOGY LEGEND	LITHOLOGY DEPTH	DESCRIPTION	PID	SAMPLE LABEL	SAMPLE 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	3.50 m (09/01/2013)	2.7 m 2.8 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		3.0 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.		BH12-01/3	3.15 - 3.35 m
4					6.25	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							700 ppm		5.5 m
6		6.5 m 6.6m			8.00	Stiff, grey brown CLAY. (LONDON CLAY)	120 ppm		6.5 m
7							0.8 ppm		7.5 m
8		8.0m				~~Borehole terminated at 8.0 mbgl in London Clay. Cased to 7.0 mbgl.~~ 8 m			

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.

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MONITORING WELL LOG

BH12-02

Sheet 1 of 1

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.			
					0.53	Concrete 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. Borehole terminated at 0.53 mbgl due to a concrete obstruction. (Sloping) 0.53 m			

1 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.

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MONITORING WELL LOG

BH12-02A

Sheet 1 of 1

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.			
2						0.7 m			
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.

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MONITORING WELL LOG

BH12-02B

Sheet 1 of 1

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			
					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 containg material found at 0.3 mbgl.		BH12-02B/1	0.3 m
1						Borehole terminated at 0.3 mbgl due to presence of asbestos containing material (Sample taken)			
						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.

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MONITORING WELL LOG

BH12-02C

Sheet 1 of 1

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 suface.			
					0.40	Concrete			
						MADE GROUND: Loose, dark brown, clayey, gravelly sand. Sand is angular. Gravel is medium to coarse, angular to rounded framents 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.			
1						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.

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MONITORING WELL LOG

BH12-02D

Sheet 1 of 1

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 DEPTH	WELL DETAIL	LITHOLOGY LEGEND	LITHOLOGY DEPTH	DESCRIPTION	PID	SAMPLE LABEL	SAMPLE DEPTH
0					0.20	Asphalt Reinforced concrete		BH12-02D/1	0.2 - 0.3 m
1	1.15 mbgl (14/01/2013)				1.50	MADE GROUND: Loose dark brown, gravelly, cobbley 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		0.5 m
2					3.00	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 fragements of brick and sandstone. Frequent wood. Strong hydrocarbon odour. @ 2.4 - 3.0 mgbl Matrix very tarry	2000 ppm	BH12-02D/2	2.5 - 2.8 m
3					3.80	Light brown/black, clayey SILT. Black is hydrocarbon staining. Tar found in fissures. Strong hydrocarbon odour. (ALLUIVUM)			
4					4.40	Light brown, clayey SILT. Tar found in fissures. Hydrocarbon odour. (ALLUVIUM)			
		4.70 m 4.80 m			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
5					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.			
6		6.50 m			7.00	Very soft, brown, grey CLAY. (LONDON CLAY)	15 ppm	BH12-02D/4	6.8 - 6.9 m
7		7.0 m				Borehole terminated at 7.0 mbgl in London Clay.			
						7 m			

NOTES

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

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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 DEPTH	WELL DETAIL	LITHOLOGY LEGEND	LITHOLOGY DEPTH	DESCRIPTION	PID	SAMPLE LABEL	SAMPLE 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
1						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
							1.2 ppm	BH12-03/2	1.9 - 2.0 m
2	▼ 2.5 m (09/01/2013)				2.30				
					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 2.5 m
						Very soft, grey with black staining, slightly silty CLAY. Hydrocarbon found in fissures. Hydrocarbon odour. (ALLUVIUM)			
3							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
4		4.15 m				Becoming gravelly with depth.			
		4.25 m							
5							400 ppm		5.0 m
					5.50				
						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)			
6							160 ppm		6.0 m
					6.55				
		6.70 m				Stiff, fissured brown/grey CLAY (LONDON CLAY)			
7							4.8 ppm		7.0 m
		7.20 m			7.20				
						Borehole terminated at 7.2 mbgl in London Clay.			

NOTES

Hand dug to 1.35 mbgl, probed to 1.45 mgbl.
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.

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MONITORING WELL LOG

BH12-04

Sheet 1 of 1

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 DEPTH	WELL DETAIL	LITHOLOGY LEGEND	LITHOLOGY DEPTH	DESCRIPTION	PID	SAMPLE LABEL	SAMPLE 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	▼ 1.05 m (11/01/2013)				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						Soft, brown, mottled, black silty CLAY. Hydrocarbon odour with hydrocarbons present in fissures. (ALLUVIUM)			
							600 ppm	BH12-04/4	2.3 - 2.4 m
					2.55				
					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.			
3						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
4		4.30 m 4.40 m					220 ppm		4.0 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)			
5						Becoming less sandy with depth.	210 ppm		5.0 m
					5.70				
						Stiff, grey/brown CLAY. (LONDON CLAY)			
6		5.85 m 5.95 m					1.2 ppm	BH12-04/5	6.0 m
					7.00				
7		7.00 m				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 mgbl.
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.

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MONITORING WELL LOG

BH12-05

Sheet 1 of 1

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 DEPTH	WELL DETAIL	LITHOLOGY LEGEND	LITHOLOGY DEPTH	DESCRIPTION	PID	SAMPLE LABEL	SAMPLE 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					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
2	▼ 2.5 m (14/01/2013)					Firm light grey/green with brown mottling CLAY. Brown mottles are possible organic matter. (ALLUVIUM)	0.5 ppm		2.5 m
								BH12-05/3	2.8 - 2.9 m
3					3.50	Soft, dark brown CLAY. Contains frequent gastropod shells (white) and roots/stems of organic material. (ALLUVIUM)	0.3 ppm		3.5 m
4		4.30 m 4.40 m			4.60	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)	0.4 ppm		4.5 m
5							0.7 ppm	BH12-05/4	5.5 - 5.6 m
6		6.50 m 6.60 m			6.35	Stiff, grey/brown CLAY. (LONDON CLAY)	2.2 ppm	BH12-05/5	6.5 - 6.6 mm
7		7.00 m			7.00	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.

3-8 Redcliffe Parade West, Bristol BS1 6SP. Tel. (0117) 925-

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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 DEPTH	WELL DETAIL	LITHOLOGY LEGEND	LITHOLOGY DEPTH	DESCRIPTION	PID	SAMPLE LABEL	SAMPLE 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)						1.0 ppm		1.0 m
					1.20				
						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
					1.50		15,000 ppm		1.5 m
						Firm, light brown, slightly silty CLAY. Strong sickly sweet smell. Becoming dark brown / black with depth. (ALLUVIUM)	10,000 ppm	BH12-06/2	1.7 - 1.8 m
2									
							10,000 ppm		2.2 m
3							7,500 ppm		3.0 m
					3.90				
4						Stiff light grey/brown, slightly silty CLAY. Sickly sweet smell. (ALLUVIUM)	3,000 ppm		4.0 m
		4.80 m							
		4.90 m			4.95				
5						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		5.0 m
								BH12-06/3	5.2 - 5.3 m
							700 ppm		5.5 m
					5.90				
6						Stiff, grey/brown fissured CLAY. (LONDON CLAY)	50 ppm		5.9 m
		6.10 m							
		6.20 m							
							80 ppm	BH12-06/4	6.5 - 6.6m
					6.90				
		6.90 m							
7						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.

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MONITORING WELL LOG

WS12-01

Sheet 1 of 1

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 DEPTH	WELL DETAIL	LITHOLOGY LEGEND	LITHOLOGY DEPTH	DESCRIPTION	PID	SAMPLE LABEL	SAMPLE 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)	0.90 m							
	1.7 m (21/01/2013)	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					3,500 ppm		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)			
4							160 ppm		4.0 m
					5.00				
5		5.0 m				Borehole terminated at 5.0 mbgl in clay.	500 ppm		5.0 m
						5 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.

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MONITORING WELL LOG

WS12-02

Sheet 1 of 1

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 DEPTH	WELL DETAIL	LITHOLOGY LEGEND	LITHOLOGY DEPTH	DESCRIPTION	PID	SAMPLE LABEL	SAMPLE 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	WS12-02/1	0.2 - 0.3 m
							1.6 ppm		0.5 m
					0.80				
1	1.3 m (17/01/2013)	1.0 m			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		1.90 m					15,000 ppm		2.0 m
					2.40				
						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)	15,000 ppm	WS12-02/4	2.9 m - 3.0 m
3		3.0 m 3.1 m							
					3.80				
						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		4.0 m
4								WS12-02/5	4.3 m - 4.5 m
5					5.40				
		5.40 m				Borehole terminated at 5.4 mbgl in river terrace gravel.			
						5.4 m			
6									
7									

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.

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MONITORING WELL LOG

WS12-03

Sheet 1 of 1

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 DEPTH	WELL DETAIL	LITHOLOGY LEGEND	LITHOLOGY DEPTH	DESCRIPTION	PID	SAMPLE LABEL	SAMPLE DEPTH
0					0.35	Reinforeced concrete in three seperate layers.			
	1.1 m (21/01/2013)				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	1.6 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
							0.2 ppm		1.5 m
2		1.90 m						WS12-03/2	2.0 - 2.1 m
		2.20 m							
		2.30 m							
		2.40 m							
					2.70		0.3 ppm		2.5 m
		2.70 m				Borehole terminated at 2.7 mbgl on hard obstruction.			
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.

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MONITORING WELL LOG

WS12-04

Sheet 1 of 1

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.

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.

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MONITORING WELL LOG

WS12-05

Sheet 1 of 1

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
							12 ppm	WS12-05/2	0.6 m 0.7 - 0.8 m
					1.50	MADE GROUND: Medium dense, slightly silty, slightly sandy gravel. Gravel is medium to coarse lumps of vitrified slag and clinker.	18 ppm		1.1 m
						1.5 m			

1
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.

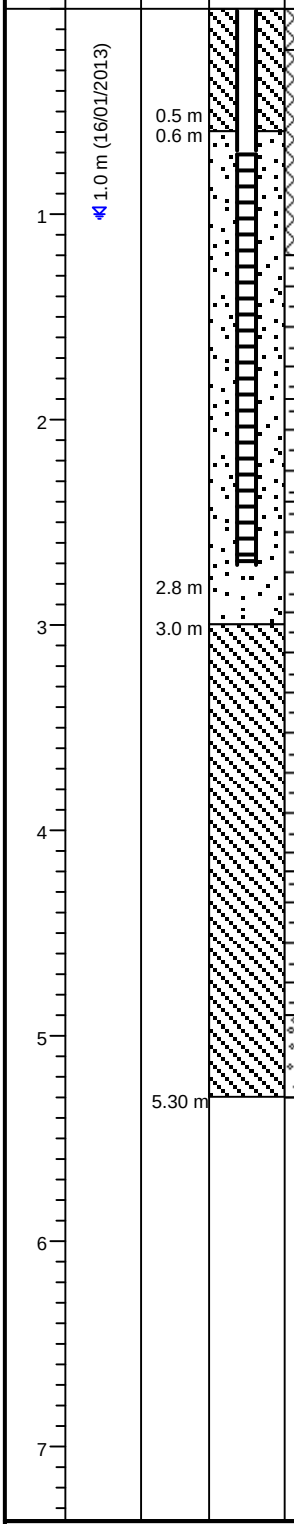
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MONITORING WELL LOG

WS12-06

Sheet 1 of 1

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



WELL DEPTH	LITHOLOGY LEGEND	LITHOLOGY DEPTH	DESCRIPTION	PID	SAMPLE LABEL	SAMPLE DEPTH
		0.20	Reinforced concrete			
			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 0.5 m
		1.20		45 ppm	WS12-06/2	1.0 m 1.1 - 1.2 m
		1.90	Firm, dark brown, mottled black, fissured CLAY. Fissures contain tar. (ALLUVIUM) Strong hydrocarbon odour.			
		2.40	Stiff, brown, mottled balck, fissured CLAY. Black mottling is hydrocarbon staining. Strong hydrocarbon odour. (ALLUVIUM)	270 ppm		2.0 m
		4.20	Stiff, grey green, mottled black, silty CLAY. Black is hydrocarbon staining. Strong hydrocarbon odour. (ALLUVIUM)	1,600 ppm	WS12-06/3	3.0 m 3.1 - 3.2 m
		4.90	Soft, dark brown, silty CLAY. Organic content, roots etc. No hydrocarbon odour. (ALLUVIUM)	150 ppm		4.0 m
		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			

NOTES

Hand dug to 1.5 mbgl
Borehole terminated at 5.3 mbgl within river terrace gravels.
Borehole Diametre: 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.

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MONITORING WELL LOG

WS12-07

Sheet 1 of 1

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 DEPTH	WELL DETAIL	LITHOLOGY LEGEND	LITHOLOGY DEPTH	DESCRIPTION	PID	SAMPLE LABEL	SAMPLE 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
1	1.2 m (22/01/2013)	0.9 m					15,000 ppm	WS12-07/2	0.9 - 1.0 m
	1.6 m (22/01/2013)	1.0 m							
							15,000 ppm		1.5 m
2					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
3		3.0 m							
							15,000		3.5 m
					4.00				
4		4.0 m				Borehole terminated at 4.0 mbgl in silts.			
						4 m			
5									
6									
7									

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.

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MONITORING WELL LOG

WS12-08

Sheet 1 of 1

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 DEPTH	WELL DETAIL	LITHOLOGY LEGEND	LITHOLOGY DEPTH	DESCRIPTION	PID	SAMPLE LABEL	SAMPLE 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.			
						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 0.7 - 0.8 m
					0.90				
1		0.9 m 1.0 m				MADE GROUND: Loose light brown/yellow, slightly silty sand. Sand is fine. Occasional fragments of glass.	0.8 ppm		1.0 m
					1.60		0.2 ppm		1.5 m
						Light brown/yellow, slightly sandy SILT. (ALLUVIUM)			
2		2.0 m 2.1 m			2.40				
						Firm, grey/green fissured CLAY. (ALLUVIUM)	1.7 ppm	WS12-08/2	2.5 - 2.6 m
3	3.27 m (22/01/2013)				3.40				
	3.5 m (22/01/2013)					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
4							1.9 ppm		4.5 m
					5.00				
5		5.0 m				Borehole terminated at 5.0 mbgl in gravels.			
6						5 m			
7									

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 mgbl, 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.

Appendix B. Groundwater Monitoring

B.1. Groundwater Elevation Data Table – metres below ground level

Hole ID	Easting	Northing	Screen Unit	Elevation	GWL MBGL Feb13	GWL MBGL Mar13	GWL MGBL 20May13	GWL MGBL 28May13	GWL MGBL Feb23	GWL MGBL May23	GWL MGBL Jun23	GWL MGBL Jul23
BH12-01	535321	191311	MG/RTD	10.79	2.68	2.68	-	-	2.64	-	2.090	1.990
BH23-04	535396	191426	MG/RTD	10.385	-	-	-	-	-	2.270	2.280	2.890
BH10	535421	191498	ALV/RTD	10.19	-	-	3	2.97	-	-	-	-
BH11	535421	191498	RTD	10.783	-	-	3.23	3.2	-	2.960	3.320	3.240
BH12	535368	191395	RTD	10.42	-	-	3.36	3.28	-	2.860	3.150	3.100
BH12-02D	535351	191321	ALV/RTD/LC	10.63	3.19	2.93	-	-				
BH12-03	535339	191370	ALV/RTD/LC	10.82	3.95	2.85	-	-	3.96	-	-	-
BH12-04	535391	191416	ALV/RTD/LC	10.45	3.40		-	-	3.13	-	-	-
BH12-05	535367	191464	ALV/RTD/LC	10.44	3.13	3.15	-	-	2.84	2.650	3.060	2.990
BH12-06	535389	191528	ALV/RTD/LC	10.15	2.92	2.96	-	-	2.64	2.560	2.830	2.820
BH3A	535289	191131	RTD	10.66	-	-	4.27	4.2	-	-	-	-
BH5	535328	191110	RTD	10.16	-	-	3.63	3.6	-	-	-	-
BH6	535379	191151	RTD	10.53	-	-	4.27	4.14	-	-	-	-
BH7	535465	191424	RTD	10.8	-	-	3.62	3.59	-	-	-	-
BH8	535443	191448	RTD	9.92	-	-	2.92	2.85	-	-	-	-

Hole ID	Easting	Northing	Screen Unit	Elevation	GWL MBGL Feb13	GWL MBGL Mar13	GWL MGBL 20May13	GWL MGBL 28May13	GWL MGBL Feb23	GWL MGBL May23	GWL MGBL Jun23	GWL MGBL Jul23
BH9	535454	191485	RTD	10.02	-	-	2.84	2.8	-	-	-	-
WS12-01	535339	191337	MG/ALV	10.51	1.18	---	-	-	1.15	0.760	0.800	0.830
WS12-02	535366	19134	MG/ALV	10.57	1.68	---	-	-	1.56	1.550	0.740	0.770
WS12-03	535368	191381.	MG	10.52	1.69	---	-	-	1.64	1.590	1.660	1.740
WS12-06	535387	191402	MG/ALV	10.55	1.94	0.95	-	-	0.86	-	-	-
WS12-07	535387	191515	MG/ALV	10.28	1.77	1.77	-	-	1.55	1.530	1.700	1.600
WS12-08	535372	191482	MG/ALV	10.43	1.79	1.89	-	-	1.66	-	1.800	-
BH23-03	535401	191435	MG	10.444								
BH23-05	535418	191490	MG	10.15								

B.2. Groundwater Elevation Data Table – metres above ordinance datum

Hole ID	Easting	Northing	Screen Unit	Elevation	GWL MAOD Feb13	GWL AOD Mar13	GWL MAOD 20May13	GWL MAOD 28May13	GWL MAOD7 Feb23	GWL MGBL May23	GWL MAOD Jun23	GWL MAOD Jul23
BH12-01	535321	191311	MG/RTD	10.79	8.11	8.11	-	-	8.15	-	8.70	8.80
BH23-04	535396	191426	MG/RTD	10.385						8.12	8.11	7.50
BH10	535421	191498	ALV/RTD	10.19			7.19	7.22				
BH11	535421	191498	RTD	10.783			7.55	7.58		7.82	7.46	7.54

Hole ID	Easting	Northing	Screen Unit	Elevation	GWL MAOD Feb13	GWL AOD Mar13	GWL MAOD 20May13	GWL MAOD 28May13	GWL MAOD7 Feb23	GWL MGBL May23	GWL MAOD Jun23	GWL MAOD Jul23
BH12	535368	191395	RTD	10.42			7.06	7.14		7.56	7.27	7.32
BH12-02D	535351	191321	ALV/RTD/LC	10.63	7.44	7.70						
BH12-03	535339	191370	ALV/RTD/LC	10.82	6.87	7.97			6.86			
BH12-04	535391	191416	ALV/RTD/LC	10.45	7.05	10.45			7.32			
BH12-05	535367	191464	ALV/RTD/LC	10.44	7.31	7.29			7.60	7.79	7.38	7.45
BH12-06	535389	191528	ALV/RTD/LC	10.15	7.23	7.19			7.51	7.59	7.32	7.33
BH3A	535289	191131	RTD	10.66			6.39	6.46				
BH5	535328	191110	RTD	10.16			6.53	6.56				
BH6	535379	191151	RTD	10.53			6.26	6.39				
BH7	535465	191424	RTD	10.8			7.18	7.21				
BH8	535443	191448	RTD	9.92			7	7.07				
BH9	535454	191485	RTD	10.02			7.18	7.22				
WS12-01	535339	191337	MG/ALV	10.51	9.33				9.36	9.75	9.71	9.68
WS12-02	535366	19134	MG/ALV	10.57	8.89				9.01	9.02	9.83	9.80
WS12-03	535368	191381.	MG	10.52	8.83				8.88	8.93	8.86	8.78
WS12-06	535387	191402	MG/ALV	10.55	8.61	9.60			9.69			

Hole ID	Easting	Northing	Screen Unit	Elevation	GWL MAOD Feb13	GWL AOD Mar13	GWL MAOD 20May13	GWL MAOD 28May13	GWL MAOD7 Feb23	GWL MGBL May23	GWL MAOD Jun23	GWL MAOD Jul23
WS12-07	535387	191515	MG/ALV	10.28	8.51	8.51			8.73	8.75	8.58	8.68
WS12-08	535372	191482	MG/ALV	10.43	8.64	8.54			8.77		8.63	
BH23-03	535401	191435	MG	10.444								
BH23-05	535418	191490	MG	10.15								

B.3. Groundwater Field Parameters

B.3.1. Groundwater Field Parameters 9th and 10th May 2023

Round 1	Temperature (°C)	Dissolved Oxygen (%)	Electrical Conductivity (µS/cm)	pH	Oxidation Reduction Potential (mV)
BH23-01	14.2	0.69	1741	7.05	45.6
BH1	13.6	7.7	1579	6.96	101
BH23-02	14.8	3.3	1032	1.21	249
BH7	11.8	4.9	804	1.94	416
BH6	13.7	46	312	1.56	460
BH5	14	5.5	335	7.67	-50
BH11	13	8.3	1163	2.35	416
BH12-06	13.9	5	1923	7.01	-21.3
BH12-04	15.2	4.2	2385	7.16	-21
BH12-02D	14	2.4	1011	7.26	-136
WS12-03	14	5.3	3343	7.16	-35.1
BH12	14.2	3.8	4408	1.03	214
WS12-07	13.9	37	2400	4.32	115
BH23-04	-	-	-	-	-

B.3.2. Groundwater Field Parameters 6th to 8th June 2023

Round 2	Temperature (°C)	Dissolved Oxygen (%)	Electrical Conductivity (µS/cm)	pH	Oxidation Reduction Potential (mV)	Redox Potential (pH/ mV)
BH23-01	-	-	-	-	-	-
BH1	14	2.5	1641	6.85	-13.3	3.9
BH23-02	14.9	1.1	1072	7.44	-192.8	-28.2
BH7	12.5	4.1	813	7.36	56	-25.1
BH6	13.7	46	312	1.56	-	460
BH5	14	5.5	335	7.67	-	-50

Round 2	Temperature (°C)	Dissolved Oxygen (%)	Electrical Conductivity (µS/cm)	pH	Oxidation Reduction Potential (mV)	Redox Potential (pH/ mV)
BH11	-	-	-	-	-	-
BH12-06	14	2.6	1893	6.96	-109.8	-2.6
BH12-04	13.3	1.2	4184	6.12	-180.8	45.1
BH12-02D	14	2.4	1011	7.26	-	-136
WS12-03	14	5.3	3343	7.16	-	-35.1
BH12	14.2	3.8	4408	1.03	-	214
WS12-07	-	-	-	-	-	-
BH23-04	13.3	1.2	4184	6.12	45.1	-180.8

- = Well / Parameter not sampled

B.3.3. Groundwater Field Parameters 4th to 6th July 2023

Round 3	Temperature (°C)	Dissolved Oxygen (%)	Electrical Conductivity (µS/cm)	pH	Oxidation Reduction Potential (mV)	Redox Potential (pH/ mV)
BH23-01	16.6	5	2064	6.88	-9	-38.5
BH1	15.6	2.7	2110	7.2	-27	-160.2
BH23-02	16.8	1.8	1401	7.28	-32.2	-176.2
BH7	14.2	2	1228	7.06	-20.6	48
BH6	-	-	-	-	-	-
BH5	16.7	2.5	648	7.33	-35.2	-115.8
BH11	15.1	4.3	1483	7.15	-24.4	58.9
BH12-06	14.6	2.2	2105	6.81	-5	-123.1
BH12-04	16.3	63.4	2716	6.92	11.1	-123
BH12-02D	20.1	1.4	1333	690	-10.1	-331.3
WS12-03	-	-	-	-	-	-
BH12	16.1	5.7	4482	6.67	3.3	-270.7
WS12-07	16.4	4.1	970	4.55	125.2	99.5
BH23-04	15	6.1	4588	6	41.5	-133.9

- = Well / Parameter not sampled

Appendix C. mBat Calculations and GQRA Screening

C.1. Laboratory Results

C.1.1. Soil and Soil-leachate

Jones Environmental Laboratory

Unit 3 Deeside Point
Zone 3
Deeside Industrial Park
Deeside
CH5 2UA

Tel: +44 (0) 1244 833780
Fax: +44 (0) 1244 833781

Worley Parsons
27 Great West Rd
Brentford
TW8 9BW

No.4225

Attention :	Sam Thrupp
Date :	7th February, 2013
Your reference :	51576-00
Our reference :	Test Report 13/762 Batch 1
Location :	TOTTENHAM
Date samples received :	12th January, 2013
Status :	Final report
Issue :	1

Sixteen samples were received for analysis on 12th January, 2013. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Jamie Williams B.Sc
Project Co-ordinator

Bob Millward B.Sc
Principal Chemist

Jones Environmental Laboratory

Client Name: Worley Parsons

Reference: 51576-00

Location: TOTTENHAM

Contact: Sam Thrupp

JE Job No.: 13/762

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

J E Sample No.	1-2	4-5	6-7	8-9	12-13	14-15	16-17	18-19	20-21	22-24	LOD	Units	Method No.
Sample ID	01BH12-02B080113SO0.3-0.5	03BH12-01090113SO0.2-0.3	04BH12-01090113SO2.0-2.2	05BH12-01090113SO3.15-3.35	07BH12-03090113SO1.9-2.0	08BH12-03090113SO2.35-2.45	09BH12-03090113SO3.0-3.1	07BH12-03/A090113SO1.9-2.0	11BH12-04110113SO0.2-0.3	12BH12-04110113SO0.45-0.55			
Depth	0.3-0.5	0.2-0.3	2.0-2.2	3.15-3.35	1.9-2.0	2.35-2.45	3.0-3.1		0.2-0.3	0.45-0.55			
COC No / misc													
Containers	V J	V J	V J	V J	V J	V J	V J	V J	V J	V J T			
Sample Date	08/01/2013	09/01/2013	09/01/2013	09/01/2013	10/01/2013	10/01/2013	10/01/2013	10/01/2013	11/01/2013	11/01/2013			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	12/01/2013	12/01/2013	12/01/2013	12/01/2013	12/01/2013	12/01/2013	12/01/2013	12/01/2013	12/01/2013	12/01/2013			
Arsenic #	20.3	NDP	57.3	27.0	78.5	81.3	92.3	90.1	NDP	-	<0.5	mg/kg	TM30/PM15
Arsenic	-	11.1	-	-	-	-	-	-	28.1	-	<0.5	mg/kg	TM30/PM62
Cadmium #	1.5	NDP	0.2	0.4	1.4	2.5	1.2	1.6	NDP	-	<0.1	mg/kg	TM30/PM15
Cadmium	-	0.2	-	-	-	-	-	-	0.4	-	<0.1	mg/kg	TM30/PM62
Chromium #	31.7	NDP	28.5	37.4	40.2	32.7	73.5	41.3	NDP	-	<0.5	mg/kg	TM30/PM15
Chromium	-	19.6	-	-	-	-	-	-	53.4	-	<0.5	mg/kg	TM30/PM62
Copper #	133	NDP	351	87	576	616	72	268	NDP	-	<1	mg/kg	TM30/PM15
Copper	-	46	-	-	-	-	-	-	135	-	<1	mg/kg	TM30/PM62
Lead #	414	NDP	6923	331	29340	838	66	3438	NDP	-	<5	mg/kg	TM30/PM15
Lead	-	59	-	-	-	-	-	-	447	-	<5	mg/kg	TM30/PM62
Mercury #	0.6	NDP	0.8	0.5	0.9	0.5	0.2	0.9	NDP	-	<0.1	mg/kg	TM30/PM15
Mercury	-	<0.1	-	-	-	-	-	-	0.7	-	<0.1	mg/kg	TM30/PM62
Nickel #	39.1	NDP	29.6	27.7	90.2	79.9	89.1	87.7	NDP	-	<0.7	mg/kg	TM30/PM15
Nickel	-	17.9	-	-	-	-	-	-	52.6	-	<0.7	mg/kg	TM30/PM62
Selenium #	<1	NDP	3	1	3	8	<1	<1	NDP	-	<1	mg/kg	TM30/PM15
Selenium	-	2	-	-	-	-	-	-	1	-	<1	mg/kg	TM30/PM62
Water Soluble Boron #	1.7	NDP	4.8	2.4	6.6	4.8	6.9	9.2	NDP	-	<0.1	mg/kg	TM74/PM32
Water Soluble Boron	-	3.0	-	-	-	-	-	-	3.6	-	<0.1	mg/kg	TM74/PM61
Zinc #	517	NDP	371	212	879	1240	220	1073	NDP	-	<5	mg/kg	TM30/PM15
Zinc	-	113	-	-	-	-	-	-	461	-	<5	mg/kg	TM30/PM62
PAH MS													
Naphthalene #	0.99	9.39	-	202.92	0.19	183.85++	60.19++	0.12	0.79	-	<0.04	mg/kg	TM4/PM8
Acenaphthylene	4.95	4.43	-	111.81	0.15	323.97	18.61	0.15	2.34	-	<0.03	mg/kg	TM4/PM8
Acenaphthene #	0.98	14.51	-	15.86	<0.05	33.75	1.97	<0.05	1.90	-	<0.05	mg/kg	TM4/PM8
Fluorene #	3.05	15.32	-	42.83	<0.04	131.67	10.19	<0.04	4.15	-	<0.04	mg/kg	TM4/PM8
Phenanthrene #	9.10	85.49	-	123.74	0.37	475.25++	31.81++	0.50	14.01	-	<0.03	mg/kg	TM4/PM8
Anthracene #	10.45	26.74	-	36.61	0.16	130.60	10.34	0.21	5.79	-	<0.04	mg/kg	TM4/PM8
Fluoranthene #	12.94	95.00	-	45.72	1.09	219.54	10.84	1.40	21.12	-	<0.03	mg/kg	TM4/PM8
Pyrene #	16.00	72.24	-	51.98	0.95	256.14	15.76	1.27	19.04	-	<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	6.81	27.62	-	16.51	0.70	64.28	7.61	0.94	9.87	-	<0.06	mg/kg	TM4/PM8
Chrysene #	6.56	25.05	-	14.51	0.69	49.99	5.73	0.81	8.86	-	<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	11.42	47.29	-	17.10	1.40	65.31	5.15	1.78	18.39	-	<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	8.47	29.14	-	12.77	0.82	54.09	5.03	1.06	11.47	-	<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #	5.81	18.17	-	6.02	0.55	29.87	1.77	0.74	6.56	-	<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	1.38	4.03	-	1.75	0.12	4.61	0.56	0.15	1.54	-	<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	6.21	16.59	-	6.07	0.60	29.56	1.68	0.77	7.48	-	<0.04	mg/kg	TM4/PM8
PAH 16 Total	105.1	491.0	-	706.2	7.8	2052.5	187.2	9.9	133.3	-	<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	8.22	34.05	-	12.31	1.01	47.02	3.71	1.28	13.24	-	<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	3.20	13.24	-	4.79	0.39	18.29	1.44	0.50	5.15	-	<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	95	86	-	107	97	96	107	103	97	-	<0	%	TM4/PM8
Naphthalene	-	-	577.57++	-	-	-	-	-	-	-	<0.04	mg/kg	TM4/PM6
Acenaphthylene	-	-	235.45	-	-	-	-	-	-	-	<0.03	mg/kg	TM4/PM6

Please see attached notes for all abbreviations and acronyms

Client Name: Worley Parsons

Reference: 51576-00

Location: TOTTENHAM

Contact: Sam Thrupp

JE Job No.: 13/762

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

J E Sample No.	1-2	4-5	6-7	8-9	12-13	14-15	16-17	18-19	20-21	22-24	LOD	Units	Method No.
Sample ID	01BH12-02B080113SO0.3-0.5	03BH12-01090113SO0.2-0.3	04BH12-01090113SO2.0-2.2	05BH12-01090113SO3.15-3.35	07BH12-03090113SO1.9-2.0	08BH12-03090113SO2.35-2.45	09BH12-03090113SO3.0-3.1	07BH12-03/A090113SO1.9-2.0	11BH12-04110113SO0.2-0.3	12BH12-04110113SO0.45-0.55			
Depth	0.3-0.5	0.2-0.3	2.0-2.2	3.15-3.35	1.9-2.0	2.35-2.45	3.0-3.1		0.2-0.3	0.45-0.55			
COC No / misc													
Containers	V J	V J	V J	V J	V J	V J	V J	V J	V J	V J T			
Sample Date	08/01/2013	09/01/2013	09/01/2013	09/01/2013	10/01/2013	10/01/2013	10/01/2013	10/01/2013	11/01/2013	11/01/2013			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	12/01/2013	12/01/2013	12/01/2013	12/01/2013	12/01/2013	12/01/2013	12/01/2013	12/01/2013	12/01/2013	12/01/2013			
PAH MS Continued													
Acenaphthene	-	-	28.22	-	-	-	-	-	-	-	<0.05	mg/kg	TM4/PM6
Fluorene	-	-	93.75	-	-	-	-	-	-	-	<0.04	mg/kg	TM4/PM6
Phenanthrene	-	-	246.33	-	-	-	-	-	-	-	<0.03	mg/kg	TM4/PM6
Anthracene	-	-	71.00	-	-	-	-	-	-	-	<0.04	mg/kg	TM4/PM6
Fluoranthene	-	-	70.76	-	-	-	-	-	-	-	<0.03	mg/kg	TM4/PM6
Pyrene	-	-	95.23	-	-	-	-	-	-	-	<0.03	mg/kg	TM4/PM6
Benzo(a)anthracene	-	-	19.66	-	-	-	-	-	-	-	<0.06	mg/kg	TM4/PM6
Chrysene	-	-	20.42	-	-	-	-	-	-	-	<0.02	mg/kg	TM4/PM6
Benzo(bk)fluoranthene	-	-	19.03	-	-	-	-	-	-	-	<0.07	mg/kg	TM4/PM6
Benzo(a)pyrene	-	-	16.14	-	-	-	-	-	-	-	<0.04	mg/kg	TM4/PM6
Indeno(123cd)pyrene	-	-	7.19	-	-	-	-	-	-	-	<0.04	mg/kg	TM4/PM6
Dibenzo(ah)anthracene	-	-	1.12	-	-	-	-	-	-	-	<0.04	mg/kg	TM4/PM6
Benzo(ghi)perylene	-	-	7.92	-	-	-	-	-	-	-	<0.04	mg/kg	TM4/PM6
PAH 16 Total	-	-	1509.8	-	-	-	-	-	-	-	<0.6	mg/kg	TM4/PM6
Benzo(b)fluoranthene	-	-	13.70	-	-	-	-	-	-	-	<0.05	mg/kg	TM4/PM6
Benzo(k)fluoranthene	-	-	5.33	-	-	-	-	-	-	-	<0.02	mg/kg	TM4/PM6
Methyl Tertiary Butyl Ether #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	<0.002	mg/kg	TM15/PM10
Benzene #	0.052	0.039	14.837	16.814	0.247	1.252	59.983	0.177	0.174	-	<0.003	mg/kg	TM15/PM10
Toluene #	0.005	0.009	8.426++	11.980++	0.085	0.159	25.412++	0.059	0.103	-	<0.003	mg/kg	TM15/PM10
Ethylbenzene #	0.003	0.008	32.121++	23.255++	0.042	2.576++	33.037++	0.032	0.102	-	<0.003	mg/kg	TM15/PM10
p/m-Xylene #	<0.006	0.020	84.552++	42.594++	0.140	3.283++	69.673++	0.100	0.246	-	<0.006	mg/kg	TM15/PM10
o-Xylene #	<0.003	0.011	47.303++	25.155++	0.073	3.663++	29.263++	0.051	0.120	-	<0.003	mg/kg	TM15/PM10
Surrogate Recovery Toluene D8	58	80	60	63	93	68	73	79	64	-	<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	60	51	66	60	68	75	60	65	61	-	<0	%	TM15/PM10
EPH (C8-C40) #	4834	8770	-	3534	226	22556++	3136	628	10638	-	<30	mg/kg	TM5/PM8
EPH (C8-C40)	-	-	21980++	-	-	-	-	-	-	-	<30	mg/kg	TM5/PM6

Please see attached notes for all abbreviations and acronyms

Client Name: Worley Parsons

Reference: 51576-00

Location: TOTTENHAM

Contact: Sam Thrupp

JE Job No.: 13/762

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

J E Sample No.	1-2	4-5	6-7	8-9	12-13	14-15	16-17	18-19	20-21	22-24	LOD	Units	Method No.
Sample ID	01BH12-02B080113SO0.3-0.5	03BH12-01090113SO0.2-0.3	04BH12-01090113SO2.0-2.2	05BH12-01090113SO3.15-3.35	07BH12-03090113SO1.9-2.0	08BH12-03090113SO2.35-2.45	09BH12-03090113SO3.0-3.1	07BH12-03/A090113SO1.9-2.0	11BH12-04110113SO0.2-0.3	12BH12-04110113SO0.45-0.55			
Depth	0.3-0.5	0.2-0.3	2.0-2.2	3.15-3.35	1.9-2.0	2.35-2.45	3.0-3.1		0.2-0.3	0.45-0.55			
COC No / misc													
Containers	V J	V J	V J	V J	V J	V J	V J	V J	V J	V J T			
Sample Date	08/01/2013	09/01/2013	09/01/2013	09/01/2013	10/01/2013	10/01/2013	10/01/2013	10/01/2013	11/01/2013	11/01/2013			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	12/01/2013	12/01/2013	12/01/2013	12/01/2013	12/01/2013	12/01/2013	12/01/2013	12/01/2013	12/01/2013	12/01/2013			
TPH CWG													
Aliphatics													
>C5-C6 #	<0.1	-	2.0++	2.8++	<0.1	1.5	4.4++	-	-	-	<0.1	mg/kg	TM36/PM12
>C6-C8 #	0.3	-	48.0++	77.5++	0.4	19.3	182.7++	-	-	-	<0.1	mg/kg	TM36/PM12
>C8-C10	0.5	-	70.0++	54.4++	0.3	52.9	70.4++	-	-	-	<0.1	mg/kg	TM36/PM12
>C10-C12 #	22.1	-	-	242.8	<0.2	357.6	73.7	-	-	-	<0.2	mg/kg	TM5/PM16
>C10-C12	-	-	36.7	-	-	-	-	-	-	-	<0.2	mg/kg	TM5/PM6
>C12-C16 #	797	-	-	526	<4	1239	90	-	-	-	<4	mg/kg	TM5/PM16
>C12-C16	-	-	1027	-	-	-	-	-	-	-	<4	mg/kg	TM5/PM6
>C16-C21 #	1250	-	-	385	<7	1105	27	-	-	-	<7	mg/kg	TM5/PM16
>C16-C21	-	-	1863	-	-	-	-	-	-	-	<7	mg/kg	TM5/PM6
>C21-C35 #	970	-	-	365	<7	885	<7	-	-	-	<7	mg/kg	TM5/PM16
>C21-C35	-	-	1763	-	-	-	-	-	-	-	<7	mg/kg	TM5/PM6
Total aliphatics C5-35	3040	-	-	1654	<19	3660	448	-	-	-	<19	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics C5-35	-	-	4810	-	-	-	-	-	-	-	<19	mg/kg	TM5/TM36/PM12/PM6
Total aliphatics C5-C12	22.9	-	-	377.5	0.7	431.3	331.2	-	-	-	<0.5	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics >C12-C35 #	3017	-	-	1276	<18	3229	117	-	-	-	<18	mg/kg	TM5/TM36/PM12/PM16
Aromatics													
>C5-EC7	0.1	-	8.1++	21.1++	0.1	1.6	88.3++	-	-	-	<0.1	mg/kg	TM36/PM12
>EC7-EC8	<0.1	-	4.9++	14.3++	<0.1	0.3	26.4++	-	-	-	<0.1	mg/kg	TM36/PM12
>EC8-EC10 #	<0.1	-	54.2++	47.8++	<0.1	5.5	94.3++	-	-	-	<0.1	mg/kg	TM36/PM12
>EC10-EC12 #	3.6	-	-	91.4	<0.2	395.2++	82.6	-	-	-	<0.2	mg/kg	TM5/PM16
>EC10-EC12	-	-	219.1	-	-	-	-	-	-	-	<0.2	mg/kg	TM5/PM6
>EC12-EC16 #	104	-	-	400	<4	3180++	269	-	-	-	<4	mg/kg	TM5/PM16
>EC12-EC16	-	-	2556	-	-	-	-	-	-	-	<4	mg/kg	TM5/PM6
>EC16-EC21 #	514	-	-	487	<7	5213++	371	-	-	-	<7	mg/kg	TM5/PM16
>EC16-EC21	-	-	3516	-	-	-	-	-	-	-	<7	mg/kg	TM5/PM6
>EC21-EC35 #	892	-	-	734	18	5163++	384	-	-	-	<7	mg/kg	TM5/PM16
>EC21-EC35	-	-	3381	-	-	-	-	-	-	-	<7	mg/kg	TM5/PM6
Total aromatics C5-35	1514	-	-	1796	<19	13959	1316	-	-	-	<19	mg/kg	TM5/TM36/PM12/PM16
Total aromatics C5-35	-	-	9739	-	-	-	-	-	-	-	<19	mg/kg	TM5/TM36/PM12/PM6
Total aromatics C5-C12	3.7	-	-	174.6	<0.5	402.6	291.6	-	-	-	<0.5	mg/kg	TM5/TM36/PM12/PM16
Total aromatics >EC12-EC35 #	1510	-	-	1621	18	13556++	1024	-	-	-	<18	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics and aromatics(C5-35)	4554	-	-	3450	<38	17619	1764	-	-	-	<38	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics and aromatics(C5-35)	-	-	14549	-	-	-	-	-	-	-	<38	mg/kg	TM5/TM36/PM12/PM6
Resorcinol	<0.10	<0.01	1.73	<0.10	<0.01	<0.10	<0.01	<0.01	<0.10	-	<0.01	mg/kg	TM26/PM21
Catechol	<0.10	<0.01	<0.10	<0.10	<0.01	<0.10	<0.01	<0.01	<0.10	-	<0.01	mg/kg	TM26/PM21
Phenol #	<0.10	0.01	0.90	<0.10	<0.01	0.60	1.16	<0.01	<0.10	-	<0.01	mg/kg	TM26/PM21
m/p-cresol #	<0.20	<0.02	1.15	1.82	<0.02	<0.20	0.24	<0.02	<0.20	-	<0.02	mg/kg	TM26/PM21
o-cresol #	<0.10	0.12	1.12	4.43	<0.01	<0.10	1.32	<0.01	<0.10	-	<0.01	mg/kg	TM26/PM21
Total cresols #	<0.30	0.12	2.27	6.25	<0.03	<0.30	1.56	<0.03	<0.30	-	<0.03	mg/kg	TM26/PM21
Xylenols #	<0.60	0.18	6.10	20.03	<0.06	<0.60	6.98	<0.06	<0.60	-	<0.06	mg/kg	TM26/PM21
1-naphthol	<0.10	<0.01	<0.10	<0.10	<0.01	<0.10	<0.01	<0.01	<0.10	-	<0.01	mg/kg	TM26/PM21

Please see attached notes for all abbreviations and acronyms

Jones Environmental Laboratory

Client Name: Worley Parsons

Reference: 51576-00

Location: TOTTENHAM

Contact: Sam Thrupp

JE Job No.: 13/762

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

J E Sample No.	1-2	4-5	6-7	8-9	12-13	14-15	16-17	18-19	20-21	22-24	LOD	Units	Method No.
Sample ID	01BH12-02B080113SO0.3-0.5	03BH12-01090113SO0.2-0.3	04BH12-01090113SO2.0-2.2	05BH12-01090113SO3.15-3.35	07BH12-03090113SO1.9-2.0	08BH12-03090113SO2.35-2.45	09BH12-03090113SO3.0-3.1	07BH12-03/A090113SO1.9-2.0	11BH12-04110113SO0.2-0.3	12BH12-04110113SO0.45-0.55			
Depth	0.3-0.5	0.2-0.3	2.0-2.2	3.15-3.35	1.9-2.0	2.35-2.45	3.0-3.1		0.2-0.3	0.45-0.55			
COC No / misc													
Containers	V J	V J	V J	V J	V J	V J	V J	V J	V J	V J T			
Sample Date	08/01/2013	09/01/2013	09/01/2013	09/01/2013	10/01/2013	10/01/2013	10/01/2013	10/01/2013	11/01/2013	11/01/2013			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	12/01/2013	12/01/2013	12/01/2013	12/01/2013	12/01/2013	12/01/2013	12/01/2013	12/01/2013	12/01/2013	12/01/2013			
2,3,5-trimethyl phenol #	<0.10	<0.01	<0.10	<0.10	<0.01	<0.10	<0.01	<0.01	<0.10	-	<0.01	mg/kg	TM26/PM21
2-isopropylphenol #	<0.10	<0.01	<0.10	<0.10	<0.01	<0.10	<0.01	<0.01	<0.10	-	<0.01	mg/kg	TM26/PM21
Total Speciated Phenols HPLC	<1.50	0.31	11.00	26.28	<0.15	<1.50	9.70	<0.15	<1.50	-	<0.15	mg/kg	TM26/PM21
Natural Moisture Content	13.5	NDP	24.8	26.2	49.0	47.3	50.1	50.9	NDP	-	<0.1	%	PM4/PM0
Stone Content >= 10mm	41.5	NDP	37.6	11.7	23.3	23.9	<0.1	<0.1	NDP	-	<0.1	%	PM4/PM0
Ammoniacal Nitrogen as NH4	<0.6	1.0	56.4++	173.1++	<0.6	30.6++	192.1++	<0.6	<0.6	-	<0.6	mg/kg	TM38/PM20
Chloride #	95	NDP	249	247	96	157	118	91	NDP	-	<2	mg/kg	TM38/PM20
Chloride #	-	143	-	-	-	-	-	-	359	-	<2	mg/kg	TM38/PM60
Sulphate as SO4 (2:1 Ext) #	1.3561	NDP	1.4613	0.2712	0.5371	0.8693	0.1125	1.3577	NDP	-	<0.0015	g/l	TM38/PM20
Sulphate as SO4 (2:1 Ext) #	-	0.0108	-	-	-	-	-	-	0.0435	-	<0.0015	g/l	TM38/PM60
Free Cyanide	2.6	<0.5	<0.5	1.0	<0.5	1.2	<0.5	<0.5	<0.5	-	<0.5	mg/kg	TM89/PM45
Total Cyanide #	283.3	<0.5	4.6	3.7	9.8	17.1	2.3	5.9	31.6	-	<0.5	mg/kg	TM89/PM45
Complex Cyanide	280.7	<0.5	4.6	2.7	9.8	15.9	2.3	5.9	31.6	-	<0.5	mg/kg	TM89/PM45
Fraction Organic Carbon	-	-	-	-	0.278	-	-	-	-	NDP	<0.001	None	TM21/PM24
Thiocyanate	1.1	<0.6	6.9	10.7	<0.6	9.3	3.6	<0.6	4.8	-	<0.6	mg/kg	TM107/PM45
Elemental Sulphur	287	376	1068	1454	4	1103	102	5	976	-	<1	mg/kg	TM108/PM8
Loss on Ignition #	8.5	NDP	9.5	7.0	39.2	36.6	17.2	35.3	NDP	-	<1.0	%	TM22/PM0
pH #	7.65	11.84	7.48	8.33	7.62	7.17	8.02	7.71	11.38	-	<0.01	pH units	TM73/PM11
Sample Type	Loamy Sand	Clay	Other	Clay	Clayey Sand	Clay	Clay	Sand	Loamy Sand	-		None	PM13/PM0
Sample Colour	Dark Brown	Medium Brown	Black	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	-		None	PM13/PM0
Other Items	stones	clinker and stones	tar, oily and stones	stones and oily	stones	stones and oily	none	stones	stones	-		None	PM13/PM0

Please see attached notes for all abbreviations and acronyms

Jones Environmental Laboratory

Client Name: Worley Parsons

Reference: 51576-00

Location: TOTTENHAM

Contact: Sam Thrupp

JE Job No.: 13/762

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

Please see attached notes for all abbreviations and acronyms

J E Sample No.	25-27	28-29	30-31	32-33							LOD	Units	Method No.
Sample ID	13BH12-04110113SO1.0-1.1	14BH12-04110113SO2.3-2.4	13BH12-04/A110113SO1.0-1.1	16BH12-04110113SO0600									
Depth	1.0-1.1	2.3-2.4		6.00									
COC No / misc													
Containers	V J T	V J	V J	V J									
Sample Date	11/01/2013	11/01/2013	11/01/2013	11/01/2013									
Sample Type	Soil	Soil	Soil	Soil									
Batch Number	1	1	1	1									
Date of Receipt	12/01/2013	12/01/2013	12/01/2013	12/01/2013									
Arsenic #	39.9	-	67.8	6.1							<0.5	mg/kg	TM30/PM15
Arsenic	-	-	-	-							<0.5	mg/kg	TM30/PM62
Cadmium #	0.6	-	1.1	0.4							<0.1	mg/kg	TM30/PM15
Cadmium	-	-	-	-							<0.1	mg/kg	TM30/PM62
Chromium #	35.7	-	48.3	39.1							<0.5	mg/kg	TM30/PM15
Chromium	-	-	-	-							<0.5	mg/kg	TM30/PM62
Copper #	96	-	158	32							<1	mg/kg	TM30/PM15
Copper	-	-	-	-							<1	mg/kg	TM30/PM62
Lead #	326	-	263	13							<5	mg/kg	TM30/PM15
Lead	-	-	-	-							<5	mg/kg	TM30/PM62
Mercury #	2.8	-	0.5	<0.1							<0.1	mg/kg	TM30/PM15
Mercury	-	-	-	-							<0.1	mg/kg	TM30/PM62
Nickel #	45.2	-	66.7	32.7							<0.7	mg/kg	TM30/PM15
Nickel	-	-	-	-							<0.7	mg/kg	TM30/PM62
Selenium #	<1	-	<1	<1							<1	mg/kg	TM30/PM15
Selenium	-	-	-	-							<1	mg/kg	TM30/PM62
Water Soluble Boron #	1.7	-	1.1	1.4							<0.1	mg/kg	TM74/PM32
Water Soluble Boron	-	-	-	-							<0.1	mg/kg	TM74/PM61
Zinc #	160	-	358	88							<5	mg/kg	TM30/PM15
Zinc	-	-	-	-							<5	mg/kg	TM30/PM62
PAH MS													
Naphthalene #	-	-	-	<0.04							<0.04	mg/kg	TM4/PM8
Acenaphthylene	-	-	-	<0.03							<0.03	mg/kg	TM4/PM8
Acenaphthene #	-	-	-	<0.05							<0.05	mg/kg	TM4/PM8
Fluorene #	-	-	-	<0.04							<0.04	mg/kg	TM4/PM8
Phenanthrene #	-	-	-	<0.03							<0.03	mg/kg	TM4/PM8
Anthracene #	-	-	-	<0.04							<0.04	mg/kg	TM4/PM8
Fluoranthene #	-	-	-	<0.03							<0.03	mg/kg	TM4/PM8
Pyrene #	-	-	-	<0.03							<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	-	-	-	<0.06							<0.06	mg/kg	TM4/PM8
Chrysene #	-	-	-	<0.02							<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	-	-	-	<0.07							<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	-	-	-	<0.04							<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #	-	-	-	<0.04							<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	-	-	-	<0.04							<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	-	-	-	<0.04							<0.04	mg/kg	TM4/PM8
PAH 16 Total	-	-	-	<0.6							<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	-	-	-	<0.05							<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	-	-	-	<0.02							<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	-	-	-	101							<0	%	TM4/PM8
Naphthalene	1637.89++	-	8.99	-							<0.04	mg/kg	TM4/PM6
Acenaphthylene	251.55	-	19.05	-							<0.03	mg/kg	TM4/PM6

Jones Environmental Laboratory

Client Name: Worley Parsons

Reference: 51576-00

Location: TOTTENHAM

Contact: Sam Thrupp

JE Job No.: 13/762

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

Please see attached notes for all abbreviations and acronyms

J E Sample No.	25-27	28-29	30-31	32-33							LOD	Units	Method No.
Sample ID	13BH12-04110113SO1.0-1.1	14BH12-04110113SO2.3-2.4	13BH12-04/A110113SO1.0-1.1	16BH12-04110113SO0600									
Depth	1.0-1.1	2.3-2.4		6.00									
COC No / misc													
Containers	V J T	V J	V J	V J									
Sample Date	11/01/2013	11/01/2013	11/01/2013	11/01/2013									
Sample Type	Soil	Soil	Soil	Soil									
Batch Number	1	1	1	1									
Date of Receipt	12/01/2013	12/01/2013	12/01/2013	12/01/2013									
PAH MS Continued													
Acenaphthene	65.26	-	16.37	-							<0.05	mg/kg	TM4/PM6
Fluorene	411.59	-	41.08	-							<0.04	mg/kg	TM4/PM6
Phenanthrene	1290.98++	-	96.48	-							<0.03	mg/kg	TM4/PM6
Anthracene	397.80	-	53.64	-							<0.04	mg/kg	TM4/PM6
Fluoranthene	661.61	-	106.70	-							<0.03	mg/kg	TM4/PM6
Pyrene	475.06	-	82.09	-							<0.03	mg/kg	TM4/PM6
Benzo(a)anthracene	198.87	-	44.02	-							<0.06	mg/kg	TM4/PM6
Chrysene	180.79	-	33.74	-							<0.02	mg/kg	TM4/PM6
Benzo(bk)fluoranthene	228.04	-	54.09	-							<0.07	mg/kg	TM4/PM6
Benzo(a)pyrene	131.17	-	33.03	-							<0.04	mg/kg	TM4/PM6
Indeno(123cd)pyrene	63.90	-	17.53	-							<0.04	mg/kg	TM4/PM6
Dibenzo(ah)anthracene	22.67	-	4.33	-							<0.04	mg/kg	TM4/PM6
Benzo(ghi)perylene	57.87	-	17.19	-							<0.04	mg/kg	TM4/PM6
PAH 16 Total	6075.1	-	628.3	-							<0.6	mg/kg	TM4/PM6
Benzo(b)fluoranthene	164.19	-	38.94	-							<0.05	mg/kg	TM4/PM6
Benzo(k)fluoranthene	63.85	-	15.15	-							<0.02	mg/kg	TM4/PM6
Methyl Tertiary Butyl Ether #	<0.002	<0.002	<0.002	<0.002							<0.002	mg/kg	TM15/PM10
Benzene #	360.939	0.779	13.743	0.084							<0.003	mg/kg	TM15/PM10
Toluene #	415.742+	0.088	0.451	0.019							<0.003	mg/kg	TM15/PM10
Ethylbenzene #	144.543++	0.537	3.815	0.006							<0.003	mg/kg	TM15/PM10
p/m-Xylene #	837.046++	2.302	1.996	0.014							<0.006	mg/kg	TM15/PM10
o-Xylene #	323.510++	1.407	1.295	0.006							<0.003	mg/kg	TM15/PM10
Surrogate Recovery Toluene D8	74	77	58	95							<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	66	50	60	93							<0	%	TM15/PM10
EPH (C8-C40) #	-	-	-	<30							<30	mg/kg	TM5/PM8
EPH (C8-C40)	56853++	-	26491++	-							<30	mg/kg	TM5/PM6

Client Name: Worley Parsons

Reference: 51576-00

Location: TOTTENHAM

Contact: Sam Thrupp

JE Job No.: 13/762

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

Please see attached notes for all abbreviations and acronyms

J E Sample No.	25-27	28-29	30-31	32-33							LOD	Units	Method No.
Sample ID	13BH12-04110113SO1.0-1.1	14BH12-04110113SO2.3-2.4	13BH12-04/A110113SO1.0-1.1	16BH12-04110113SO0600									
Depth	1.0-1.1	2.3-2.4		6.00									
COC No / misc													
Containers	V J T	V J	V J	V J									
Sample Date	11/01/2013	11/01/2013	11/01/2013	11/01/2013									
Sample Type	Soil	Soil	Soil	Soil									
Batch Number	1	1	1	1									
Date of Receipt	12/01/2013	12/01/2013	12/01/2013	12/01/2013									
TPH CWG													
Aliphatics													
>C5-C6 #	65.0++	0.4	4.6++	-							<0.1	mg/kg	TM36/PM12
>C6-C8 #	2518.6++	1.7	100.3++	-							<0.1	mg/kg	TM36/PM12
>C8-C10	261.4++	4.7	47.1++	-							<0.1	mg/kg	TM36/PM12
>C10-C12 #	-	229.0	-	-							<0.2	mg/kg	TM5/PM16
>C10-C12	249.4	-	222.0	-							<0.2	mg/kg	TM5/PM6
>C12-C16 #	-	1301	-	-							<4	mg/kg	TM5/PM16
>C12-C16	3233	-	1800	-							<4	mg/kg	TM5/PM6
>C16-C21 #	-	1614	-	-							<7	mg/kg	TM5/PM16
>C16-C21	3866	-	2538	-							<7	mg/kg	TM5/PM6
>C21-C35 #	-	1030	-	-							<7	mg/kg	TM5/PM16
>C21-C35	3076	-	5866	-							<7	mg/kg	TM5/PM6
Total aliphatics C5-35	-	4181	-	-							<19	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics C5-35	13269	-	10578	-							<19	mg/kg	TM5/TM36/PM12/PM6
Total aliphatics C5-C12	-	235.8	-	-							<0.5	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics >C12-C35 #	-	3945	-	-							<18	mg/kg	TM5/TM36/PM12/PM16
Aromatics													
>C5-EC7	1110.4++	0.7	35.1++	-							<0.1	mg/kg	TM36/PM12
>EC7-EC8	293.1++	<0.1	0.8++	-							<0.1	mg/kg	TM36/PM12
>EC8-EC10 #	107.3++	2.0	5.7++	-							<0.1	mg/kg	TM36/PM12
>EC10-EC12 #	-	164.5	-	-							<0.2	mg/kg	TM5/PM16
>EC10-EC12	889.5++	-	81.8	-							<0.2	mg/kg	TM5/PM6
>EC12-EC16 #	-	1358	-	-							<4	mg/kg	TM5/PM16
>EC12-EC16	5331++	-	1111	-							<4	mg/kg	TM5/PM6
>EC16-EC21 #	-	2368	-	-							<7	mg/kg	TM5/PM16
>EC16-EC21	10167++	-	2556	-							<7	mg/kg	TM5/PM6
>EC21-EC35 #	-	1900	-	-							<7	mg/kg	TM5/PM16
>EC21-EC35	10396++	-	4211	-							<7	mg/kg	TM5/PM6
Total aromatics C5-35	-	5793	-	-							<19	mg/kg	TM5/TM36/PM12/PM16
Total aromatics C5-35	28294++	-	8001	-							<19	mg/kg	TM5/TM36/PM12/PM6
Total aromatics C5-C12	-	167.2	-	-							<0.5	mg/kg	TM5/TM36/PM12/PM16
Total aromatics >EC12-EC35 #	-	5626	-	-							<18	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics and aromatics(C5-35)	-	9974	-	-							<38	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics and aromatics(C5-35)	41563++	-	18579	-							<38	mg/kg	TM5/TM36/PM12/PM6
Resorcinol	<1.00	-	<0.10	<0.10							<0.01	mg/kg	TM26/PM21
Catechol	<1.00	-	<0.10	<0.10							<0.01	mg/kg	TM26/PM21
Phenol #	<1.00	-	<0.10	<0.10							<0.01	mg/kg	TM26/PM21
m/p-cresol #	<2.00	-	<0.20	<0.20							<0.02	mg/kg	TM26/PM21
o-cresol #	<1.00	-	<0.10	<0.10							<0.01	mg/kg	TM26/PM21
Total cresols #	<3.00	-	<0.30	<0.30							<0.03	mg/kg	TM26/PM21
Xylenols #	<6.00	-	<0.60	<0.60							<0.06	mg/kg	TM26/PM21
1-naphthol	<1.00	-	<0.10	<0.10							<0.01	mg/kg	TM26/PM21

Jones Environmental Laboratory

Client Name:	Worley Parsons
Reference:	51576-00
Location:	TOTTENHAM
Contact:	Sam Thrupp
JE Job No.:	13/762

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

Please see attached notes for all abbreviations and acronyms

J E Sample No.	25-27	28-29	30-31	32-33							LOD	Units	Method No.
Sample ID	13BH12-04110113SO1.0-1.1	14BH12-04110113SO2.3-2.4	13BH12-04/A110113SO1.0-1.1	16BH12-04110113SO0600									
Depth	1.0-1.1	2.3-2.4		6.00									
COC No / misc													
Containers	V J T	V J	V J	V J									
Sample Date	11/01/2013	11/01/2013	11/01/2013	11/01/2013									
Sample Type	Soil	Soil	Soil	Soil									
Batch Number	1	1	1	1									
Date of Receipt	12/01/2013	12/01/2013	12/01/2013	12/01/2013									
2,3,5-trimethyl phenol #	<1.00	-	<0.10	<0.10							<0.01	mg/kg	TM26/PM21
2-isopropylphenol #	<1.00	-	<0.10	<0.10							<0.01	mg/kg	TM26/PM21
Total Speciated Phenols HPLC	<15.00	-	<1.50	<1.50							<0.15	mg/kg	TM26/PM21
Natural Moisture Content	24.0	-	32.0	25.4							<0.1	%	PM4/PM0
Stone Content >= 10mm	17.0	-	8.4	<0.1							<0.1	%	PM4/PM0
Ammoniacal Nitrogen as NH4	62.0++	-	7.8	27.5++							<0.6	mg/kg	TM38/PM20
Chloride #	73	-	253	135							<2	mg/kg	TM38/PM20
Chloride #	-	-	-	-							<2	mg/kg	TM38/PM60
Sulphate as SO4 (2:1 Ext) #	10.0328	-	0.5276	0.3727							<0.0015	g/l	TM38/PM20
Sulphate as SO4 (2:1 Ext) #	-	-	-	-							<0.0015	g/l	TM38/PM60
Free Cyanide	3.1	-	3.3	<0.5							<0.5	mg/kg	TM89/PM45
Total Cyanide #	1177.8	-	158.8	<0.5							<0.5	mg/kg	TM89/PM45
Complex Cyanide	1174.7	-	155.5	<0.5							<0.5	mg/kg	TM89/PM45
Fraction Organic Carbon	-	-	-	0.005							<0.001	None	TM21/PM24
Thiocyanate	10.9	-	23.8	0.9							<0.6	mg/kg	TM107/PM45
Elemental Sulphur	872	-	730	<1							<1	mg/kg	TM108/PM8
Loss on Ignition #	22.6	-	16.0	5.1							<1.0	%	TM22/PM0
pH #	4.80	-	7.26	7.70							<0.01	pH units	TM73/PM11
Sample Type	Other	-	Other	Clay								None	PM13/PM0
Sample Colour	Black	-	Dark Brown	Medium Brown								None	PM13/PM0
Other Items	tar	-	stones and tar	none								None	PM13/PM0

Client Name: Worley Parsons **VOC Report :** **Solid**

Reference: 51576-00

Location: TOTTENHAM

Contact: Sam Thrupp

JE Job No.: 13/762

J E Sample No.	30-31												
Sample ID	13BH12-04/A 110113SO 1.0-1.1												
Depth													
COC No / misc													
Containers	V J												
Sample Date	11/01/2013												
Sample Type	Soil												
Batch Number	1												
Date of Receipt	12/01/2013												

Please see attached notes for all abbreviations and acronyms

											LOD	Units	Method No.
VOC MS													
Dichlorodifluoromethane	<0.002										<0.002	mg/kg	TM15/PM10
Methyl Tertiary Butyl Ether #	<0.002										<0.002	mg/kg	TM15/PM10
Chloromethane #	<0.003										<0.003	mg/kg	TM15/PM10
Vinyl Chloride	<0.002										<0.002	mg/kg	TM15/PM10
Bromomethane	<0.001										<0.001	mg/kg	TM15/PM10
Chloroethane #	<0.002										<0.002	mg/kg	TM15/PM10
Trichlorofluoromethane #	<0.002										<0.002	mg/kg	TM15/PM10
1,1-Dichloroethene #	<0.006										<0.006	mg/kg	TM15/PM10
Dichloromethane #	<0.007										<0.007	mg/kg	TM15/PM10
trans-1-2-Dichloroethene #	<0.003										<0.003	mg/kg	TM15/PM10
1,1-Dichloroethane #	<0.003										<0.003	mg/kg	TM15/PM10
cis-1-2-Dichloroethene #	<0.003										<0.003	mg/kg	TM15/PM10
2,2-Dichloropropane	<0.004										<0.004	mg/kg	TM15/PM10
Bromochloromethane #	<0.003										<0.003	mg/kg	TM15/PM10
Chloroform #	<0.003										<0.003	mg/kg	TM15/PM10
1,1,1-Trichloroethane #	<0.003										<0.003	mg/kg	TM15/PM10
1,1-Dichloropropene #	<0.003										<0.003	mg/kg	TM15/PM10
Carbon tetrachloride #	<0.004										<0.004	mg/kg	TM15/PM10
1,2-Dichloroethane #	0.508										<0.004	mg/kg	TM15/PM10
Benzene #	13.743										<0.003	mg/kg	TM15/PM10
Trichloroethene #	<0.003										<0.003	mg/kg	TM15/PM10
1,2-Dichloropropane #	<0.006										<0.006	mg/kg	TM15/PM10
Dibromomethane #	<0.003										<0.003	mg/kg	TM15/PM10
Bromodichloromethane #	<0.003										<0.003	mg/kg	TM15/PM10
cis-1-3-Dichloropropene	<0.004										<0.004	mg/kg	TM15/PM10
Toluene #	0.451										<0.003	mg/kg	TM15/PM10
trans-1-3-Dichloropropene	<0.003										<0.003	mg/kg	TM15/PM10
1,1,2-Trichloroethane #	<0.003										<0.003	mg/kg	TM15/PM10
Tetrachloroethene #	<0.003										<0.003	mg/kg	TM15/PM10
1,3-Dichloropropane #	<0.003										<0.003	mg/kg	TM15/PM10
Dibromochloromethane #	<0.003										<0.003	mg/kg	TM15/PM10
1,2-Dibromoethane #	<0.003										<0.003	mg/kg	TM15/PM10
Chlorobenzene #	<0.003										<0.003	mg/kg	TM15/PM10
1,1,1,2-Tetrachloroethane	<0.003										<0.003	mg/kg	TM15/PM10
Ethylbenzene #	3.815										<0.003	mg/kg	TM15/PM10
p/m-Xylene #	1.996										<0.006	mg/kg	TM15/PM10
o-Xylene #	1.295										<0.003	mg/kg	TM15/PM10
Styrene	<0.003										<0.003	mg/kg	TM15/PM10
Bromoform #	<0.003										<0.003	mg/kg	TM15/PM10
Isopropylbenzene #	0.516										<0.003	mg/kg	TM15/PM10
1,1,2,2-Tetrachloroethane #	<0.003										<0.003	mg/kg	TM15/PM10
Bromobenzene	<0.002										<0.002	mg/kg	TM15/PM10
1,2,3-Trichloropropane #	<0.004										<0.004	mg/kg	TM15/PM10
Propylbenzene #	0.553										<0.004	mg/kg	TM15/PM10
2-Chlorotoluene	<0.003										<0.003	mg/kg	TM15/PM10
1,3,5-Trimethylbenzene #	0.120										<0.003	mg/kg	TM15/PM10
4-Chlorotoluene	<0.003										<0.003	mg/kg	TM15/PM10
tert-Butylbenzene #	<0.005										<0.005	mg/kg	TM15/PM10
1,2,4-Trimethylbenzene #	1.416										<0.006	mg/kg	TM15/PM10
sec-Butylbenzene #	<0.004										<0.004	mg/kg	TM15/PM10
4-Isopropyltoluene #	0.374										<0.004	mg/kg	TM15/PM10
1,3-Dichlorobenzene #	0.016										<0.004	mg/kg	TM15/PM10
1,4-Dichlorobenzene #	0.018										<0.004	mg/kg	TM15/PM10
n-Butylbenzene #	1.610										<0.004	mg/kg	TM15/PM10
1,2-Dichlorobenzene #	0.260										<0.004	mg/kg	TM15/PM10
1,2-Dibromo-3-chloropropane #	<0.004										<0.004	mg/kg	TM15/PM10
1,2,4-Trichlorobenzene #	<0.007										<0.007	mg/kg	TM15/PM10
Hexachlorobutadiene	<0.004										<0.004	mg/kg	TM15/PM10
Naphthalene	8.367										<0.027	mg/kg	TM15/PM10
1,2,3-Trichlorobenzene #	<0.007										<0.007	mg/kg	TM15/PM10
Surrogate Recovery Toluene D8	58										<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	60										<0	%	TM15/PM10

Client Name: Worley Parsons

Reference: 51576-00

Location: TOTTENHAM

Contact: Sam Thrupp

Note:

Analysis was carried out in accordance with our documented in-house methods PM042 and TM065 and HSG 248 by Stereo and Polarised Light Microscopy using Dispersion Staining Techniques and is covered by our UKAS accreditation. Samples are retained for not less than 6 months from the date of analysis unless specifically requested.

Opinions lie outside the scope of our UKAS accreditation.

Where the sample is not taken by a Jones Environmental Laboratory consultant, Jones Environmental Laboratory cannot be responsible for inaccurate or unrepresentative sampling.

Signed on behalf of Jones Environmental Laboratory:



Gemma Newsome
Asbestos Team Leader

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	Date Of Analysis	Description	Asbestos Results
13/762	1	03BH12-01090113SO0.2-0.3	0.2-0.3	4-5	31/01/2013	Soil - Loose Fibre Bundles	Chrysotile
13/762	1	04BH12-01090113SO2.0-2.2	2.0-2.2	6-7	31/01/2013	Soil	NAD
13/762	1	02BH12-02B080113SO0.3	0.3	3	31/01/2013	Tile (ACM)	Chrysotile
13/762	1	06BH12-03090113SO0.2-0.3	0.2-0.3	10-11	31/01/2013	Soil	NAD
13/762	1	11BH12-04110113SO0.2-0.3	0.2-0.3	20-21	31/01/2013	Soil - Loose Fibre Bundles	Amosite, Chrysotile
13/762	1	12BH12-04110113SO0.45-0.55	0.45-0.55	22-24	31/01/2013	Soil - Loose Fibre Bundles	Amosite, Chrysotile, Crocidolite

Client Name: Worley Parsons

Reference: 51576-00

Location: TOTTENHAM

Contact: Sam Thrupp

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	NDP Reason
13/762	1	03BH12-01090113SO0.2-0.3	0.2-0.3	4-5	Asbestos detected in sample
13/762	1	11BH12-04110113SO0.2-0.3	0.2-0.3	20-21	Asbestos detected in sample
13/762	1	12BH12-04110113SO0.45-0.55	0.45-0.55	22-24	Asbestos detected in sample

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 13/762

SOILS

Please note we are only MCERTS accredited for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary. If we are instructed to keep samples, a storage charge of £1 (1.5 Euros) per sample per month will be applied until we are asked to dispose of them.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

WATERS

Please note we are not a Drinking Water Inspectorate (DWI) Approved Laboratory . It is important that detection limits are carefully considered when requesting water analysis.

UKAS accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

NOTE

Data is only accredited when all the requirements of our Quality System have been met. In certain circumstances where the requirements have not been met, the laboratory may issue the data in an interim report but will remove the accreditation, in this instance results should be considered indicative only. Where possible samples will be re-extracted and a final report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

ABBREVIATIONS and ACRONYMS USED

#	UKAS accredited.
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance.
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
++	Result outside calibration range, results should be considered as indicative only and are not accredited.
*	Analysis subcontracted to a Jones Environmental approved laboratory.
CO	Suspected carry over
NFD	No Fibres Detected

JE Job No 13/762

Test Method No.	Description	Prep Method No. (if appropriate)	Description	UKAS	MCERTS (soils only)	Analysis done on As Received (AR) or Air Dried (AD)	Solid Results expressed on Dry/Wet basis
PM4	Moisture Content	PM0	No Preparation				
PM4	Moisture Content	PM0	No Preparation				WET
TM4	16 PAH by GC-MS, modified USEPA 8270	PM6	Soxhlet extraction			AR	DRY
TM4	16 PAH by GC-MS, modified USEPA 8270	PM8	End Over End extraction			AR	DRY
TM4	16 PAH by GC-MS, modified USEPA 8270	PM8	End Over End extraction	Yes		AR	DRY
TM4	16 PAH by GC-MS, modified USEPA 8270	PM8	End Over End extraction			AR	
TM5	EPH by GC-FID, modified USEPA 8015	PM16	Aliphatic/Aromatic fractionation	Yes		AR	DRY
TM5	EPH by GC-FID, modified USEPA 8015	PM6	Soxhlet extraction			AR	DRY
TM5	EPH by GC-FID, modified USEPA 8015	PM8	End Over End extraction	Yes		AR	DRY
TM5/TM36	TPH CWG by GC-FID	PM12/PM16	CWG GC-FID			AR	DRY
TM5/TM36	TPH CWG by GC-FID	PM12/PM16	CWG GC-FID	Yes		AR	DRY
TM5/TM36	TPH CWG by GC-FID	PM12/PM6	CWG GC-FID			AR	DRY
PM13	Soil Typing for MCERTS	PM0	No Preparation			AR	
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS			AR	DRY
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS	Yes		AR	DRY
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS			AR	
TM21	TOC and TC by Combustion	PM24	Eltra preparation			AD	DRY
TM22	Loss on Ignition (LOI) - gravimetric	PM0	No Preparation	Yes		AD	DRY
TM26	Phenols by HPLC	PM21	Methanol : NaOH extraction			AR	DRY
TM26	Phenols by HPLC	PM21	Methanol : NaOH extraction	Yes		AR	DRY
TM30	Metals by ICP-OES	PM15	Aqua Regia extraction (Soils)	Yes		AD	DRY
TM30	Metals by ICP-OES	PM62	Aqua Regia extraction (Soils) (as received sample)			AR	DRY
TM36	GRO by Headspace GC-FID	PM12	GRO GC-FID			AR	DRY
TM36	GRO by Headspace GC-FID	PM12	GRO GC-FID	Yes		AR	DRY
TM38	SO4,Cl,NO3,NO2,F,PO4, Amm N2,ThioCN, Hex Cr by Aquakem	PM20	1:2 soil to water extraction	Yes		AD	DRY
TM38	SO4,Cl,NO3,NO2,F,PO4, Amm N2,ThioCN, Hex Cr by Aquakem	PM20	1:2 soil to water extraction			AR	DRY
TM38	SO4,Cl,NO3,NO2,F,PO4, Amm N2,ThioCN, Hex Cr by Aquakem	PM60	1:2 soil to water extraction (as received sample)	Yes		AR	DRY
TM65	Asbestos Bulk Identification	PM42	Screening of soils for fibres			AR	
TM65	Asbestos Bulk Identification	PM42	Screening of soils for fibres	Yes		AR	
TM73	pH in by Metrohm	PM11	1:2.5 soil/water extraction	Yes		AR	WET
TM74	Water Soluble Boron by ICP-OES	PM32	Preparation of soils for WSB	Yes		AD	DRY
TM74	Water Soluble Boron by ICP-OES	PM61	Preparation of soils for WSB (as received sample)			AR	DRY
TM89	Cyanide by FIA	PM45	Cyanide & Thiocyanate prep for soils			AR	DRY
TM89	Cyanide by FIA	PM45	Cyanide & Thiocyanate prep for soils	Yes		AR	DRY
TM107	Thiocyanate by CFA	PM45	Cyanide & Thiocyanate prep for soils			AR	DRY
TM108	Elemental Sulphur by HPLC	PM8	End Over End extraction			AR	DRY

Jones Environmental Laboratory

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Worley Parsons
27 Great West Rd
Brentford
TW8 9BW

No.4225

Attention :	Sam Thrupp
Date :	12th February, 2013
Your reference :	51576-00
Our reference :	Test Report 13/1071 Batch 1
Location :	TOTTENHAM
Date samples received :	23rd January, 2013
Status :	Final report
Issue :	1

Twenty samples were received for analysis on 23rd January, 2013. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Jamie Williams B.Sc
Project Co-ordinator

Bob Millward B.Sc
Principal Chemist

Client Name: Worley Parsons

Reference: 51576-00

Location: TOTTENHAM

Contact: Sam Thrupp

JE Job No.: 13/1071

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

Please see attached notes for all abbreviations and acronyms

J E Sample No.	3-5	6-7	8-9	10	14-16	17-19	20-21	22-24	27-28	29-30	LOD	Units	Method No.
Sample ID	33BH12-06	34BH12-06	35BH12-06	36WS12-02	38WS12-02	39WS12-02	38WS12-02/A	41WS12-02	43WS12-05	44WS12-03			
Depth	0170	0650	0520	0430	0090	0140		0290	0070	0045			
COC No / misc													
Containers	V J T	V J	V J	T	V J T	V J T	V J	V J T	V J	V J			
Sample Date	16/01/2013	17/01/2013	17/01/2013	17/01/2013	17/01/2013	17/01/2013	17/01/2013	17/01/2013	18/01/2013	21/01/2013			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013			
Arsenic #	52.2	15.5	5.6	-	60.2	64.0	61.8	27.0	NDP	20.6	<0.5	mg/kg	TM30/PM15
Arsenic	-	-	-	-	-	-	-	-	12.9	-	<0.5	mg/kg	TM30/PM62
Cadmium #	0.4	0.2	<0.1	-	1.6	0.9	4.7	0.1	NDP	0.3	<0.1	mg/kg	TM30/PM15
Cadmium	-	-	-	-	-	-	-	-	<0.1	-	<0.1	mg/kg	TM30/PM62
Chromium #	15.9	36.5	9.6	-	19.9	22.8	24.5	10.8	NDP	24.2	<0.5	mg/kg	TM30/PM15
Chromium	-	-	-	-	-	-	-	-	4.3	-	<0.5	mg/kg	TM30/PM62
Copper #	43	28	7	-	238	137	333	48	NDP	53	<1	mg/kg	TM30/PM15
Copper	-	-	-	-	-	-	-	-	130	-	<1	mg/kg	TM30/PM62
Lead #	298	12	10	-	427	643	726	67	NDP	256	<5	mg/kg	TM30/PM15
Lead	-	-	-	-	-	-	-	-	12	-	<5	mg/kg	TM30/PM62
Mercury #	0.4	<0.1	<0.1	-	0.4	1.1	0.6	0.3	NDP	0.5	<0.1	mg/kg	TM30/PM15
Mercury	-	-	-	-	-	-	-	-	<0.1	-	<0.1	mg/kg	TM30/PM62
Nickel #	11.6	43.9	12.4	-	45.0	53.8	65.5	10.5	NDP	47.6	<0.7	mg/kg	TM30/PM15
Nickel	-	-	-	-	-	-	-	-	55.8	-	<0.7	mg/kg	TM30/PM62
Selenium #	2	2	<1	-	4	9	3	2	NDP	<1	<1	mg/kg	TM30/PM15
Selenium	-	-	-	-	-	-	-	-	1	-	<1	mg/kg	TM30/PM62
Water Soluble Boron #	2.8	3.0	0.2	-	11.7	5.0	16.7	5.1	NDP	1.4	<0.1	mg/kg	TM74/PM32
Water Soluble Boron	-	-	-	-	-	-	-	-	0.2	-	<0.1	mg/kg	TM74/PM61
Zinc #	60	80	13	-	415	300	567	12	NDP	253	<5	mg/kg	TM30/PM15
Zinc	-	-	-	-	-	-	-	-	20	-	<5	mg/kg	TM30/PM62
PAH MS													
Naphthalene #	973.29++	0.10	14.10	-	26.53	-	37.68	917.64++	37.48	8.02	<0.04	mg/kg	TM4/PM8
Acenaphthylene	69.91	<0.03	1.70	-	2.79	-	2.88	153.45	14.09	6.91	<0.03	mg/kg	TM4/PM8
Acenaphthene #	11.71	<0.05	0.34	-	0.94	-	1.17	26.23	20.65	2.35	<0.05	mg/kg	TM4/PM8
Fluorene #	45.52	<0.04	1.64	-	0.86	-	1.38	88.85	28.83	3.48	<0.04	mg/kg	TM4/PM8
Phenanthrene #	124.31	0.04	4.59	-	3.05	-	3.17	220.34	74.58	17.12	<0.03	mg/kg	TM4/PM8
Anthracene #	34.28	<0.04	1.25	-	1.56	-	1.40	73.49	26.48	7.41	<0.04	mg/kg	TM4/PM8
Fluoranthene #	54.10	<0.03	1.98	-	4.90	-	2.87	72.42	46.71	23.06	<0.03	mg/kg	TM4/PM8
Pyrene #	50.46	<0.03	1.80	-	4.16	-	2.57	90.97	41.13	24.49	<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	20.19	<0.06	0.57	-	1.89	-	1.51	21.80	18.16	9.26	<0.06	mg/kg	TM4/PM8
Chrysene #	18.67	<0.02	0.60	-	1.98	-	1.30	23.01	10.81	8.84	<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	20.69	<0.07	0.73	-	4.58	-	3.05	20.52	16.41	16.92	<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	12.40	<0.04	0.46	-	2.46	-	1.80	16.43	9.85	11.14	<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #	7.82	<0.04	0.25	-	1.94	-	1.06	6.50	4.07	7.22	<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	1.73	<0.04	0.07	-	<0.40	-	<0.40	1.92	1.02	1.60	<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	5.99	<0.04	0.24	-	1.66	-	1.38	6.37	4.05	6.07	<0.04	mg/kg	TM4/PM8
PAH 16 Total	1451.1	<0.6	30.3	-	59.3	-	63.2	1739.9	354.3	153.9	<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	14.90	<0.05	0.53	-	3.30	-	2.20	14.77	11.82	12.18	<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	5.79	<0.02	0.20	-	1.28	-	0.85	5.75	4.59	4.74	<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	106	102	106	-	104	-	107	101	94	95	<0	%	TM4/PM8
Naphthalene	-	-	-	-	-	2521.41	-	-	-	-	<0.04	mg/kg	TM4/PM6
Acenaphthylene	-	-	-	-	-	356.07	-	-	-	-	<0.03	mg/kg	TM4/PM6

Client Name: Worley Parsons

Reference: 51576-00

Location: TOTTENHAM

Contact: Sam Thrupp

JE Job No.: 13/1071

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

J E Sample No.	3-5	6-7	8-9	10	14-16	17-19	20-21	22-24	27-28	29-30	LOD	Units	Method No.
Sample ID	33BH12-06	34BH12-06	35BH12-06	36WS12-02	38WS12-02	39WS12-02	38WS12-02/A	41WS12-02	43WS12-05	44WS12-03			
Depth	0170	0650	0520	0430	0090	0140		0290	0070	0045			
COC No / misc													
Containers	V J T	V J	V J	T	V J T	V J T	V J	V J T	V J	V J			
Sample Date	16/01/2013	17/01/2013	17/01/2013	17/01/2013	17/01/2013	17/01/2013	17/01/2013	17/01/2013	18/01/2013	21/01/2013			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013			
PAH MS Continued													
Acenaphthene	-	-	-	-	-	183.96	-	-	-	-	<0.05	mg/kg	TM4/PM6
Fluorene	-	-	-	-	-	215.19	-	-	-	-	<0.04	mg/kg	TM4/PM6
Phenanthrene	-	-	-	-	-	498.58	-	-	-	-	<0.03	mg/kg	TM4/PM6
Anthracene	-	-	-	-	-	150.42	-	-	-	-	<0.04	mg/kg	TM4/PM6
Fluoranthene	-	-	-	-	-	121.54	-	-	-	-	<0.03	mg/kg	TM4/PM6
Pyrene	-	-	-	-	-	141.36	-	-	-	-	<0.03	mg/kg	TM4/PM6
Benzo(a)anthracene	-	-	-	-	-	55.74	-	-	-	-	<0.06	mg/kg	TM4/PM6
Chrysene	-	-	-	-	-	42.41	-	-	-	-	<0.02	mg/kg	TM4/PM6
Benzo(bk)fluoranthene	-	-	-	-	-	35.78	-	-	-	-	<0.07	mg/kg	TM4/PM6
Benzo(a)pyrene	-	-	-	-	-	26.20	-	-	-	-	<0.04	mg/kg	TM4/PM6
Indeno(123cd)pyrene	-	-	-	-	-	10.54	-	-	-	-	<0.04	mg/kg	TM4/PM6
Dibenzo(ah)anthracene	-	-	-	-	-	4.11	-	-	-	-	<0.04	mg/kg	TM4/PM6
Benzo(ghi)perylene	-	-	-	-	-	7.75	-	-	-	-	<0.04	mg/kg	TM4/PM6
PAH 16 Total	-	-	-	-	-	4371.1	-	-	-	-	<0.6	mg/kg	TM4/PM6
Benzo(b)fluoranthene	-	-	-	-	-	25.76	-	-	-	-	<0.05	mg/kg	TM4/PM6
Benzo(k)fluoranthene	-	-	-	-	-	10.02	-	-	-	-	<0.02	mg/kg	TM4/PM6
Methyl Tertiary Butyl Ether #	<0.002	<0.002	<0.002	-	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	mg/kg	TM15/PM10
Benzene #	345.658++	0.773	2.674++	-	14.765++	460.157++	16.852++	467.692++	3.420++	1.539	<0.003	mg/kg	TM15/PM10
Toluene #	439.644++	0.927	2.215++	-	3.416++	101.390++	2.940++	573.482++	1.558	0.474	<0.003	mg/kg	TM15/PM10
Ethylbenzene #	57.788++	0.113	0.936	-	5.164++	249.168++	5.368++	118.710++	0.504	0.051	<0.003	mg/kg	TM15/PM10
p/m-Xylene #	329.581++	0.850	3.297	-	10.633++	686.189++	11.004++	551.734++	1.265	0.129	<0.006	mg/kg	TM15/PM10
o-Xylene #	145.709++	0.293	3.267++	-	7.773++	310.432++	8.048++	249.499++	0.682	0.121	<0.003	mg/kg	TM15/PM10
Surrogate Recovery Toluene D8	51	116	95	-	83	78	76	55	73	83	<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	70	144	78	-	54	72	92	70	95	57	<0	%	TM15/PM10
EPH (C8-C40) #	31434++	<30	1262	-	5407	-	4185	13529	10482	3391	<30	mg/kg	TM5/PM8
EPH (C8-C40)	-	-	-	-	-	59205++	-	-	-	-	<30	mg/kg	TM5/PM6

Please see attached notes for all abbreviations and acronyms

Client Name: Worley Parsons

Reference: 51576-00

Location: TOTTENHAM

Contact: Sam Thrupp

JE Job No.: 13/1071

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

J E Sample No.	3-5	6-7	8-9	10	14-16	17-19	20-21	22-24	27-28	29-30	LOD	Units	Method No.
Sample ID	33BH12-06	34BH12-06	35BH12-06	36WS12-02	38WS12-02	39WS12-02	38WS12-02/A	41WS12-02	43WS12-05	44WS12-03			
Depth	0170	0650	0520	0430	0090	0140		0290	0070	0045			
COC No / misc													
Containers	V J T	V J	V J	T	V J T	V J T	V J	V J T	V J	V J			
Sample Date	16/01/2013	17/01/2013	17/01/2013	17/01/2013	17/01/2013	17/01/2013	17/01/2013	17/01/2013	18/01/2013	21/01/2013			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013			
TPH CWG													
Aliphatics													
>C5-C6 #	11.8++	-	0.8	-	-	14.9++	-	14.3++	-	-	<0.1	mg/kg	TM36/PM12
>C6-C8 #	1823.3++	-	31.6	-	-	486.9++	-	1083.8++	-	-	<0.1	mg/kg	TM36/PM12
>C8-C10	87.7++	-	31.9	-	-	188.6++	-	163.0++	-	-	<0.1	mg/kg	TM36/PM12
>C10-C12 #	2672.5++	-	18.8	-	-	-	-	629.5	-	-	<0.2	mg/kg	TM5/PM16
>C10-C12	-	-	-	-	-	286.6	-	-	-	-	<0.2	mg/kg	TM5/PM6
>C12-C16 #	6813++	-	70	-	-	-	-	1227	-	-	<4	mg/kg	TM5/PM16
>C12-C16	-	-	-	-	-	3538	-	-	-	-	<4	mg/kg	TM5/PM6
>C16-C21 #	3293++	-	26	-	-	-	-	1082	-	-	<7	mg/kg	TM5/PM16
>C16-C21	-	-	-	-	-	4296	-	-	-	-	<7	mg/kg	TM5/PM6
>C21-C35 #	1016++	-	<7	-	-	-	-	209	-	-	<7	mg/kg	TM5/PM16
>C21-C35	-	-	-	-	-	2108	-	-	-	-	<7	mg/kg	TM5/PM6
Total aliphatics C5-35	15717	-	179	-	-	-	-	4409	-	-	<19	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics C5-35	-	-	-	-	-	10919	-	-	-	-	<19	mg/kg	TM5/TM36/PM12/PM6
Total aliphatics C5-C12	4595.3	-	83.1	-	-	-	-	1890.6	-	-	<0.5	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics >C12-C35 #	11122++	-	96	-	-	-	-	2518	-	-	<18	mg/kg	TM5/TM36/PM12/PM16
Aromatics													
>C5-EC7	841.6++	-	2.2	-	-	137.2++	-	442.8++	-	-	<0.1	mg/kg	TM36/PM12
>EC7-EC8	363.8++	-	3.0	-	-	12.8++	-	167.9++	-	-	<0.1	mg/kg	TM36/PM12
>EC8-EC10 #	122.9++	-	9.6	-	-	90.5++	-	81.9++	-	-	<0.1	mg/kg	TM36/PM12
>EC10-EC12 #	2056.6++	-	13.5	-	-	-	-	1869.1++	-	-	<0.2	mg/kg	TM5/PM16
>EC10-EC12	-	-	-	-	-	1240.0++	-	-	-	-	<0.2	mg/kg	TM5/PM6
>EC12-EC16 #	5160++	-	71	-	-	-	-	4876++	-	-	<4	mg/kg	TM5/PM16
>EC12-EC16	-	-	-	-	-	10720++	-	-	-	-	<4	mg/kg	TM5/PM6
>EC16-EC21 #	7182++	-	97	-	-	-	-	5436++	-	-	<7	mg/kg	TM5/PM16
>EC16-EC21	-	-	-	-	-	14402++	-	-	-	-	<7	mg/kg	TM5/PM6
>EC21-EC35 #	9039++	-	44	-	-	-	-	4498++	-	-	<7	mg/kg	TM5/PM16
>EC21-EC35	-	-	-	-	-	13772++	-	-	-	-	<7	mg/kg	TM5/PM6
Total aromatics C5-35	24766	-	240	-	-	-	-	17372	-	-	<19	mg/kg	TM5/TM36/PM12/PM16
Total aromatics C5-35	-	-	-	-	-	40375++	-	-	-	-	<19	mg/kg	TM5/TM36/PM12/PM6
Total aromatics C5-C12	3384.9	-	28.3	-	-	-	-	2561.7	-	-	<0.5	mg/kg	TM5/TM36/PM12/PM16
Total aromatics >EC12-EC35 #	21381++	-	212	-	-	-	-	14810++	-	-	<18	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics and aromatics(C5-35)	40483	-	419	-	-	-	-	21781	-	-	<38	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics and aromatics(C5-35)	-	-	-	-	-	51294++	-	-	-	-	<38	mg/kg	TM5/TM36/PM12/PM6
Resorcinol	0.33	<0.01	<0.01	-	<0.10	<0.10	<0.10	<0.10	<0.01	<0.01	<0.01	mg/kg	TM26/PM21
Catechol	<0.10	0.04	0.09	-	<0.10	<0.10	<0.10	0.21	<0.01	<0.01	<0.01	mg/kg	TM26/PM21
Phenol #	13.74	0.05	0.17	-	0.18	0.61	0.31	64.96	<0.01	<0.01	<0.01	mg/kg	TM26/PM21
m/p-cresol #	6.88	<0.02	<0.02	-	<0.20	0.84	<0.20	64.84	0.24	<0.02	<0.02	mg/kg	TM26/PM21
o-cresol #	4.13	<0.01	0.03	-	<0.10	2.80	<0.10	36.16	0.22	<0.01	<0.01	mg/kg	TM26/PM21
Total cresols #	11.01	<0.03	0.03	-	<0.30	3.64	<0.30	101.00	0.46	<0.03	<0.03	mg/kg	TM26/PM21
Xylenols #	5.29	<0.06	<0.06	-	<0.60	7.96	<0.60	48.61	2.19	<0.06	<0.06	mg/kg	TM26/PM21
1-naphthol	<0.10	<0.01	<0.01	-	<0.10	<0.10	<0.10	0.46	<0.01	<0.01	<0.01	mg/kg	TM26/PM21

Please see attached notes for all abbreviations and acronyms

Client Name: Worley Parsons

Reference: 51576-00

Location: TOTTENHAM

Contact: Sam Thrupp

JE Job No.: 13/1071

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

J E Sample No.	3-5	6-7	8-9	10	14-16	17-19	20-21	22-24	27-28	29-30	LOD	Units	Method No.
Sample ID	33BH12-06	34BH12-06	35BH12-06	36WS12-02	38WS12-02	39WS12-02	38WS12-02/A	41WS12-02	43WS12-05	44WS12-03			
Depth	0170	0650	0520	0430	0090	0140		0290	0070	0045			
COC No / misc													
Containers	V J T	V J	V J	T	V J T	V J T	V J	V J T	V J	V J			
Sample Date	16/01/2013	17/01/2013	17/01/2013	17/01/2013	17/01/2013	17/01/2013	17/01/2013	17/01/2013	18/01/2013	21/01/2013			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013			
2,3,5-trimethyl phenol #	<0.10	<0.01	<0.01	-	<0.10	<0.10	<0.10	<0.10	0.10	<0.01	<0.01	mg/kg	TM26/PM21
2-isopropylphenol #	<0.10	<0.01	<0.01	-	<0.10	<0.10	<0.10	<0.10	<0.01	<0.01	<0.01	mg/kg	TM26/PM21
Total Speciated Phenols HPLC	30.37	<0.15	0.29	-	<1.50	12.21	<1.50	215.24	2.75	<0.15	<0.15	mg/kg	TM26/PM21
Natural Moisture Content	25.4	24.7	3.6	-	26.9	55.7	28.7	49.1	NDP	19.5	<0.1	%	PM4/PM0
Stone Content >= 10mm	21.3	<0.1	56.8	-	51.6	41.2	37.1	<0.1	NDP	47.1	<0.1	%	PM4/PM0
Ammoniacal Nitrogen as NH4	76.7++	16.3	<0.6	-	50.6++	14.2	65.4++	82.8++	1.9	<0.6	<0.6	mg/kg	TM38/PM20
Chloride #	58	97	26	-	148	131	128	221	NDP	225	<2	mg/kg	TM38/PM20
Chloride #	-	-	-	-	-	-	-	-	150	-	<2	mg/kg	TM38/PM60
Sulphate as SO4 (2:1 Ext) #	3.7942	0.2977	0.0974	-	0.2231+	0.0580	0.1837	2.0551	NDP	0.1444	<0.0015	g/l	TM38/PM20
Sulphate as SO4 (2:1 Ext) #	-	-	-	-	-	-	-	-	0.5429	-	<0.0015	g/l	TM38/PM60
Free Cyanide	5.6	<0.5	<0.5	-	1.1	3.1	0.9	1.5	<0.5	1.0	<0.5	mg/kg	TM89/PM45
Total Cyanide #	25.0	0.6	1.7	-	116.6	700.2	198.8	30.4	17.3	265.9	<0.5	mg/kg	TM89/PM45
Complex Cyanide	19.4	0.6	1.7	-	115.5	697.1	197.9	28.9	17.3	264.9	<0.5	mg/kg	TM89/PM45
Fraction Organic Carbon	-	0.005	-	-	-	-	-	-	-	-	<0.001	None	TM21/PM24
75.0mm Particle Size*	-	-	-	100	-	-	-	-	-	-		% Passing	Subcontracted
63.0mm Particle Size*	-	-	-	100	-	-	-	-	-	-		% Passing	Subcontracted
50.0mm Particle Size*	-	-	-	100	-	-	-	-	-	-		% Passing	Subcontracted
37.5mm Particle Size*	-	-	-	100	-	-	-	-	-	-		% Passing	Subcontracted
28.0mm Particle Size*	-	-	-	100	-	-	-	-	-	-		% Passing	Subcontracted
20.0mm Particle Size*	-	-	-	81	-	-	-	-	-	-		% Passing	Subcontracted
14.0mm Particle Size*	-	-	-	54	-	-	-	-	-	-		% Passing	Subcontracted
10.0mm Particle Size*	-	-	-	37	-	-	-	-	-	-		% Passing	Subcontracted
6.30mm Particle Size*	-	-	-	23	-	-	-	-	-	-		% Passing	Subcontracted
5.00mm Particle Size*	-	-	-	18	-	-	-	-	-	-		% Passing	Subcontracted
3.35mm Particle Size*	-	-	-	13	-	-	-	-	-	-		% Passing	Subcontracted
2.00mm Particle Size*	-	-	-	9	-	-	-	-	-	-		% Passing	Subcontracted
1.18mm Particle Size*	-	-	-	7	-	-	-	-	-	-		% Passing	Subcontracted
0.600mm Particle Size*	-	-	-	4	-	-	-	-	-	-		% Passing	Subcontracted
0.425mm Particle Size*	-	-	-	2	-	-	-	-	-	-		% Passing	Subcontracted
0.300mm Particle Size*	-	-	-	1	-	-	-	-	-	-		% Passing	Subcontracted
0.212mm Particle Size*	-	-	-	1	-	-	-	-	-	-		% Passing	Subcontracted
0.150mm Particle Size*	-	-	-	1	-	-	-	-	-	-		% Passing	Subcontracted
0.063mm Particle Size*	-	-	-	1	-	-	-	-	-	-		% Passing	Subcontracted
0.020mm Particle Size*	-	-	-	0	-	-	-	-	-	-		% Passing	Subcontracted
0.006mm Particle Size*	-	-	-	0	-	-	-	-	-	-		% Passing	Subcontracted
0.002mm Particle Size*	-	-	-	0	-	-	-	-	-	-		% Passing	Subcontracted
Cobbles	-	-	-	<0.1	-	-	-	-	-	-	<0.1	%	Subcontracted
Gravel	-	-	-	90.8	-	-	-	-	-	-	<0.1	%	Subcontracted
Sand	-	-	-	8.4	-	-	-	-	-	-	<0.1	%	Subcontracted

Please see attached notes for all abbreviations and acronyms

Jones Environmental Laboratory

Client Name: Worley Parsons

Reference: 51576-00

Location: TOTTENHAM

Contact: Sam Thrupp

JE Job No.: 13/1071

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

J E Sample No.	3-5	6-7	8-9	10	14-16	17-19	20-21	22-24	27-28	29-30	LOD	Units	Method No.
Sample ID	33BH12-06	34BH12-06	35BH12-06	36WS12-02	38WS12-02	39WS12-02	38WS12-02/A	41WS12-02	43WS12-05	44WS12-03			
Depth	0170	0650	0520	0430	0090	0140		0290	0070	0045			
COC No / misc													
Containers	V J T	V J	V J	T	V J T	V J T	V J	V J T	V J	V J			
Sample Date	16/01/2013	17/01/2013	17/01/2013	17/01/2013	17/01/2013	17/01/2013	17/01/2013	17/01/2013	18/01/2013	21/01/2013			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013			
Silt	-	-	-	0.7	-	-	-	-	-	-	<0.1	%	Subcontracted
Clay	-	-	-	0.7	-	-	-	-	-	-	<0.1	%	Subcontracted
Thiocyanate	1.3	1.0	3.4	-	3.2	16.0	1.4	45.0	7.6	<0.6	<0.6	mg/kg	TM107/PM45
Elemental Sulphur	132	<1	32	-	1917	934	1425	330	1847	72	<1	mg/kg	TM108/PM8
Loss on Ignition #	36.5	4.9	1.3	-	53.6	64.7	47.3	19.8	NDP	5.2	<1.0	%	TM22/PM0
pH #	3.04	7.09	6.55	-	7.36	6.46	7.21	2.95	7.27	7.43	<0.01	pH units	TM73/PM11
Sample Type	Other	Clay	Sand	-	Loam	Loam	Loam	Clay	Other	Sand		None	PM13/PM0
Sample Colour	Black	Medium Brown	Medium Grey	-	Dark Brown	Dark Brown	Dark Brown	Medium Brown	Dark Grey	Medium Brown		None	PM13/PM0
Other Items	tar	none	stones	-	stones and clinker	oily and stones	stones and clinker	none	tar and clinker	stones		None	PM13/PM0

Please see attached notes for all abbreviations and acronyms

Client Name: Worley Parsons

Reference: 51576-00

Location: TOTTENHAM

Contact: Sam Thrupp

JE Job No.: 13/1071

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

Please see attached notes for all abbreviations and acronyms

J E Sample No.	31-32	36-38	39-41	42-44	45-47	48-50					LOD	Units	Method No.
Sample ID	45WS12-03	47WS12-01	48WS12-08	49WS12-08	50WS12-07	51WS12-07							
Depth	0200	0100	0070	0250	0090	0035							
COC No / misc													
Containers	V J	V J T	V J T	V J T	V J T	V J T							
Sample Date	21/01/2013	21/01/2013	22/01/2013	22/01/2013	22/01/2013	22/01/2013							
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil							
Batch Number	1	1	1	1	1	1							
Date of Receipt	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013							
Arsenic #	NDP	3.0	56.8	18.9	51.4	NDP					<0.5	mg/kg	TM30/PM15
Arsenic	14.2	-	-	-	-	65.0					<0.5	mg/kg	TM30/PM62
Cadmium #	NDP	0.2	1.3	0.6	1.1	NDP					<0.1	mg/kg	TM30/PM15
Cadmium	0.1	-	-	-	-	0.4					<0.1	mg/kg	TM30/PM62
Chromium #	NDP	3.4	31.8	59.8	13.9	NDP					<0.5	mg/kg	TM30/PM15
Chromium	7.2	-	-	-	-	26.0					<0.5	mg/kg	TM30/PM62
Copper #	NDP	5	620	29	56	NDP					<1	mg/kg	TM30/PM15
Copper	24	-	-	-	-	83					<1	mg/kg	TM30/PM62
Lead #	NDP	11	863	23	956	NDP					<5	mg/kg	TM30/PM15
Lead	61	-	-	-	-	999					<5	mg/kg	TM30/PM62
Mercury #	NDP	0.2	0.4	<0.1	13.8	NDP					<0.1	mg/kg	TM30/PM15
Mercury	0.1	-	-	-	-	2.0					<0.1	mg/kg	TM30/PM62
Nickel #	NDP	3.9	115.5	42.0	18.6	NDP					<0.7	mg/kg	TM30/PM15
Nickel	12.7	-	-	-	-	34.9					<0.7	mg/kg	TM30/PM62
Selenium #	NDP	<1	2	3	5	NDP					<1	mg/kg	TM30/PM15
Selenium	<1	-	-	-	-	<1					<1	mg/kg	TM30/PM62
Water Soluble Boron #	NDP	0.5	11.7	6.8	<0.1	NDP					<0.1	mg/kg	TM74/PM32
Water Soluble Boron	1.4	-	-	-	-	1.1					<0.1	mg/kg	TM74/PM61
Zinc #	NDP	22	949	140	156	NDP					<5	mg/kg	TM30/PM15
Zinc	47	-	-	-	-	178					<5	mg/kg	TM30/PM62
PAH MS													
Naphthalene #	2.26	<0.04	<0.40	0.06	-	2.67					<0.04	mg/kg	TM4/PM8
Acenaphthylene	7.58	0.05	0.59	<0.03	-	16.34					<0.03	mg/kg	TM4/PM8
Acenaphthene #	8.25	<0.05	<0.50	<0.05	-	6.37					<0.05	mg/kg	TM4/PM8
Fluorene #	7.93	<0.04	<0.40	<0.04	-	9.71					<0.04	mg/kg	TM4/PM8
Phenanthrene #	45.64	0.15	2.89	<0.03	-	43.18					<0.03	mg/kg	TM4/PM8
Anthracene #	17.62	0.09	1.36	<0.04	-	27.89					<0.04	mg/kg	TM4/PM8
Fluoranthene #	61.20	0.22	9.06	<0.03	-	90.28					<0.03	mg/kg	TM4/PM8
Pyrene #	49.01	0.21	7.39	<0.03	-	68.55					<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	20.14	0.10	4.57	<0.06	-	36.53					<0.06	mg/kg	TM4/PM8
Chrysene #	16.18	0.08	5.37	<0.02	-	30.32					<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	28.71	0.13	9.58	<0.07	-	49.80					<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	18.12	0.08	5.64	<0.04	-	29.49					<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #	10.69	0.05	4.10	<0.04	-	17.56					<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	2.11	<0.04	0.98	<0.04	-	4.99					<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	10.05	0.05	3.10	<0.04	-	15.69					<0.04	mg/kg	TM4/PM8
PAH 16 Total	305.5	1.2	54.6	<0.6	-	449.4					<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	20.67	0.09	6.90	<0.05	-	35.86					<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	8.04	0.04	2.68	<0.02	-	13.94					<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	101	101	98	93	-	101					<0	%	TM4/PM8
Naphthalene	-	-	-	-	2728.16 ++	-					<0.04	mg/kg	TM4/PM6
Acenaphthylene	-	-	-	-	138.38	-					<0.03	mg/kg	TM4/PM6

Client Name: Worley Parsons

Reference: 51576-00

Location: TOTTENHAM

Contact: Sam Thrupp

JE Job No.: 13/1071

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

Please see attached notes for all abbreviations and acronyms

J E Sample No.	31-32	36-38	39-41	42-44	45-47	48-50	LOD	Units	Method No.
Sample ID	45WS12-03	47WS12-01	48WS12-08	49WS12-08	50WS12-07	51WS12-07			
Depth	0200	0100	0070	0250	0090	0035			
COC No / misc									
Containers	V J	V J T	V J T	V J T	V J T	V J T			
Sample Date	21/01/2013	21/01/2013	22/01/2013	22/01/2013	22/01/2013	22/01/2013			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1			
Date of Receipt	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013			
PAH MS Continued									
Acenaphthene	-	-	-	-	43.11	-	<0.05	mg/kg	TM4/PM6
Fluorene	-	-	-	-	180.84	-	<0.04	mg/kg	TM4/PM6
Phenanthrene	-	-	-	-	529.74	-	<0.03	mg/kg	TM4/PM6
Anthracene	-	-	-	-	150.64	-	<0.04	mg/kg	TM4/PM6
Fluoranthene	-	-	-	-	287.07	-	<0.03	mg/kg	TM4/PM6
Pyrene	-	-	-	-	214.03	-	<0.03	mg/kg	TM4/PM6
Benzo(a)anthracene	-	-	-	-	95.05	-	<0.06	mg/kg	TM4/PM6
Chrysene	-	-	-	-	78.89	-	<0.02	mg/kg	TM4/PM6
Benzo(bk)fluoranthene	-	-	-	-	111.15	-	<0.07	mg/kg	TM4/PM6
Benzo(a)pyrene	-	-	-	-	67.75	-	<0.04	mg/kg	TM4/PM6
Indeno(123cd)pyrene	-	-	-	-	37.27	-	<0.04	mg/kg	TM4/PM6
Dibenzo(ah)anthracene	-	-	-	-	8.19	-	<0.04	mg/kg	TM4/PM6
Benzo(ghi)perylene	-	-	-	-	33.65	-	<0.04	mg/kg	TM4/PM6
PAH 16 Total	-	-	-	-	4703.9	-	<0.6	mg/kg	TM4/PM6
Benzo(b)fluoranthene	-	-	-	-	80.03	-	<0.05	mg/kg	TM4/PM6
Benzo(k)fluoranthene	-	-	-	-	31.12	-	<0.02	mg/kg	TM4/PM6
Methyl Tertiary Butyl Ether #	<0.002	<0.002	<0.002	<0.002	<0.020	<0.002	<0.002	mg/kg	TM15/PM10
Benzene #	0.432	0.100	4.281++	0.074	586.962++	20.236	<0.003	mg/kg	TM15/PM10
Toluene #	0.153	0.026	1.904	0.031	649.983++	11.388	<0.003	mg/kg	TM15/PM10
Ethylbenzene #	0.028	0.008	0.133	<0.003	174.263++	1.482	<0.003	mg/kg	TM15/PM10
p/m-Xylene #	0.047	<0.006	0.546	0.013	893.092++	6.197	<0.006	mg/kg	TM15/PM10
o-Xylene #	0.046	0.004	0.214	0.006	380.407++	3.695	<0.003	mg/kg	TM15/PM10
Surrogate Recovery Toluene D8	92	115	85	108	63	80	<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	79	116	96	134	50	52	<0	%	TM15/PM10
EPH (C8-C40) #	2488	<30	809	<30	-	4210	<30	mg/kg	TM5/PM8
EPH (C8-C40)	-	-	-	-	45841++	-	<30	mg/kg	TM5/PM6

Client Name: Worley Parsons

Reference: 51576-00

Location: TOTTENHAM

Contact: Sam Thrupp

JE Job No.: 13/1071

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

J E Sample No.	31-32	36-38	39-41	42-44	45-47	48-50					LOD	Units	Method No.
Sample ID	45WS12-03	47WS12-01	48WS12-08	49WS12-08	50WS12-07	51WS12-07							
Depth	0200	0100	0070	0250	0090	0035							
COC No / misc													
Containers	V J	V J T	V J T	V J T	V J T	V J T							
Sample Date	21/01/2013	21/01/2013	22/01/2013	22/01/2013	22/01/2013	22/01/2013							
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil							
Batch Number	1	1	1	1	1	1							
Date of Receipt	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013							
TPH CWG													
Aliphatics													
>C5-C6 #	-	0.3	-	-	17.5++	-					<0.1	mg/kg	TM36/PM12
>C6-C8 #	-	0.5	-	-	2115.6++	-					<0.1	mg/kg	TM36/PM12
>C8-C10	-	<0.1	-	-	103.8++	-					<0.1	mg/kg	TM36/PM12
>C10-C12 #	-	<0.2	-	-	-	-					<0.2	mg/kg	TM5/PM16
>C10-C12	-	-	-	-	528.1++	-					<0.2	mg/kg	TM5/PM6
>C12-C16 #	-	<4	-	-	-	-					<4	mg/kg	TM5/PM16
>C12-C16	-	-	-	-	4735++	-					<4	mg/kg	TM5/PM6
>C16-C21 #	-	<7	-	-	-	-					<7	mg/kg	TM5/PM16
>C16-C21	-	-	-	-	4120++	-					<7	mg/kg	TM5/PM6
>C21-C35 #	-	<7	-	-	-	-					<7	mg/kg	TM5/PM16
>C21-C35	-	-	-	-	1668++	-					<7	mg/kg	TM5/PM6
Total aliphatics C5-35	-	<19	-	-	-	-					<19	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics C5-35	-	-	-	-	13288++	-					<19	mg/kg	TM5/TM36/PM12/PM6
Total aliphatics C5-C12	-	0.8	-	-	-	-					<0.5	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics >C12-C35 #	-	<18	-	-	-	-					<18	mg/kg	TM5/TM36/PM12/PM16
Aromatics													
>C5-EC7	-	0.3	-	-	1006.8++	-					<0.1	mg/kg	TM36/PM12
>EC7-EC8	-	<0.1	-	-	206.9++	-					<0.1	mg/kg	TM36/PM12
>EC8-EC10 #	-	<0.1	-	-	51.5++	-					<0.1	mg/kg	TM36/PM12
>EC10-EC12 #	-	<0.2	-	-	-	-					<0.2	mg/kg	TM5/PM16
>EC10-EC12	-	-	-	-	1434.8++	-					<0.2	mg/kg	TM5/PM6
>EC12-EC16 #	-	<4	-	-	-	-					<4	mg/kg	TM5/PM16
>EC12-EC16	-	-	-	-	6064++	-					<4	mg/kg	TM5/PM6
>EC16-EC21 #	-	<7	-	-	-	-					<7	mg/kg	TM5/PM16
>EC16-EC21	-	-	-	-	11705++	-					<7	mg/kg	TM5/PM6
>EC21-EC35 #	-	<7	-	-	-	-					<7	mg/kg	TM5/PM16
>EC21-EC35	-	-	-	-	12494++	-					<7	mg/kg	TM5/PM6
Total aromatics C5-35	-	<19	-	-	-	-					<19	mg/kg	TM5/TM36/PM12/PM16
Total aromatics C5-35	-	-	-	-	32963++	-					<19	mg/kg	TM5/TM36/PM12/PM6
Total aromatics C5-C12	-	<0.5	-	-	-	-					<0.5	mg/kg	TM5/TM36/PM12/PM16
Total aromatics >EC12-EC35 #	-	<18	-	-	-	-					<18	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics and aromatics(C5-35)	-	<38	-	-	-	-					<38	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics and aromatics(C5-35)	-	-	-	-	46251++	-					<38	mg/kg	TM5/TM36/PM12/PM6
Resorcinol	<0.01	<0.01	<0.01	<0.01	0.11	<0.01					<0.01	mg/kg	TM26/PM21
Catechol	<0.01	<0.01	<0.01	<0.01	0.54	<0.01					<0.01	mg/kg	TM26/PM21
Phenol #	<0.01	<0.01	0.07	<0.01	34.47	0.12					<0.01	mg/kg	TM26/PM21
m/p-cresol #	<0.02	<0.02	<0.02	<0.02	31.96	0.14					<0.02	mg/kg	TM26/PM21
o-cresol #	<0.01	<0.01	0.02	<0.01	19.59	0.14					<0.01	mg/kg	TM26/PM21
Total cresols #	<0.03	<0.03	<0.03	<0.03	51.55	0.28					<0.03	mg/kg	TM26/PM21
Xylenols #	<0.06	<0.06	<0.06	<0.06	38.60	0.22					<0.06	mg/kg	TM26/PM21
1-naphthol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01					<0.01	mg/kg	TM26/PM21

Please see attached notes for all abbreviations and acronyms

Client Name: Worley Parsons

Reference: 51576-00

Location: TOTTENHAM

Contact: Sam Thrupp

JE Job No.: 13/1071

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

Please see attached notes for all abbreviations and acronyms

J E Sample No.	31-32	36-38	39-41	42-44	45-47	48-50					LOD	Units	Method No.
Sample ID	45WS12-03	47WS12-01	48WS12-08	49WS12-08	50WS12-07	51WS12-07							
Depth	0200	0100	0070	0250	0090	0035							
COC No / misc													
Containers	V J	V J T	V J T	V J T	V J T	V J T							
Sample Date	21/01/2013	21/01/2013	22/01/2013	22/01/2013	22/01/2013	22/01/2013							
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil							
Batch Number	1	1	1	1	1	1							
Date of Receipt	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013							
2,3,5-trimethyl phenol #	<0.01	<0.01	<0.01	<0.01	0.54	<0.01					<0.01	mg/kg	TM26/PM21
2-isopropylphenol #	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01					<0.01	mg/kg	TM26/PM21
Total Speciated Phenols HPLC	<0.15	<0.15	<0.15	<0.15	125.81	0.62					<0.15	mg/kg	TM26/PM21
Natural Moisture Content	NDP	28.2	24.6	42.2	13.1	NDP					<0.1	%	PM4/PM0
Stone Content >= 10mm	NDP	11.5	18.2	<0.1	<0.1	NDP					<0.1	%	PM4/PM0
Ammoniacal Nitrogen as NH4	11.2	21.5	12.7	7.8	47.8++	4.1					<0.6	mg/kg	TM38/PM20
Chloride #	NDP	124	115	99	914	NDP					<2	mg/kg	TM38/PM20
Chloride #	253	-	-	-	-	970					<2	mg/kg	TM38/PM60
Sulphate as SO4 (2:1 Ext) #	NDP	0.2240	0.2831+	0.1285	6.8565	NDP					<0.0015	g/l	TM38/PM20
Sulphate as SO4 (2:1 Ext) #	1.4586	-	-	-	-	1.6027					<0.0015	g/l	TM38/PM60
Free Cyanide	1.2	<0.5	<0.5	<0.5	4.4	3.5					<0.5	mg/kg	TM89/PM45
Total Cyanide #	83.1	9.9	12.7	3.1	1538.2	197.9					<0.5	mg/kg	TM89/PM45
Complex Cyanide	81.9	9.9	12.7	3.1	1533.8	194.4					<0.5	mg/kg	TM89/PM45
Fraction Organic Carbon	NDP	-	-	0.009	-	-					<0.001	None	TM21/PM24
75.0mm Particle Size*	-	-	-	-	-	-						% Passing	Subcontracted
63.0mm Particle Size*	-	-	-	-	-	-						% Passing	Subcontracted
50.0mm Particle Size*	-	-	-	-	-	-						% Passing	Subcontracted
37.5mm Particle Size*	-	-	-	-	-	-						% Passing	Subcontracted
28.0mm Particle Size*	-	-	-	-	-	-						% Passing	Subcontracted
20.0mm Particle Size*	-	-	-	-	-	-						% Passing	Subcontracted
14.0mm Particle Size*	-	-	-	-	-	-						% Passing	Subcontracted
10.0mm Particle Size*	-	-	-	-	-	-						% Passing	Subcontracted
6.30mm Particle Size*	-	-	-	-	-	-						% Passing	Subcontracted
5.00mm Particle Size*	-	-	-	-	-	-						% Passing	Subcontracted
3.35mm Particle Size*	-	-	-	-	-	-						% Passing	Subcontracted
2.00mm Particle Size*	-	-	-	-	-	-						% Passing	Subcontracted
1.18mm Particle Size*	-	-	-	-	-	-						% Passing	Subcontracted
0.600mm Particle Size*	-	-	-	-	-	-						% Passing	Subcontracted
0.425mm Particle Size*	-	-	-	-	-	-						% Passing	Subcontracted
0.300mm Particle Size*	-	-	-	-	-	-						% Passing	Subcontracted
0.212mm Particle Size*	-	-	-	-	-	-						% Passing	Subcontracted
0.150mm Particle Size*	-	-	-	-	-	-						% Passing	Subcontracted
0.063mm Particle Size*	-	-	-	-	-	-						% Passing	Subcontracted
0.020mm Particle Size*	-	-	-	-	-	-						% Passing	Subcontracted
0.006mm Particle Size*	-	-	-	-	-	-						% Passing	Subcontracted
0.002mm Particle Size*	-	-	-	-	-	-						% Passing	Subcontracted
Cobbles	-	-	-	-	-	-					<0.1	%	Subcontracted
Gravel	-	-	-	-	-	-					<0.1	%	Subcontracted
Sand	-	-	-	-	-	-					<0.1	%	Subcontracted

Jones Environmental Laboratory

Client Name: Worley Parsons

Reference: 51576-00

Location: TOTTENHAM

Contact: Sam Thrupp

JE Job No.: 13/1071

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

Please see attached notes for all abbreviations and acronyms

J E Sample No.	31-32	36-38	39-41	42-44	45-47	48-50					LOD	Units	Method No.
Sample ID	45WS12-03	47WS12-01	48WS12-08	49WS12-08	50WS12-07	51WS12-07							
Depth	0200	0100	0070	0250	0090	0035							
COC No / misc													
Containers	V J	V J T	V J T	V J T	V J T	V J T							
Sample Date	21/01/2013	21/01/2013	22/01/2013	22/01/2013	22/01/2013	22/01/2013							
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil							
Batch Number	1	1	1	1	1	1							
Date of Receipt	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013							
Silt	-	-	-	-	-	-					<0.1	%	Subcontracted
Clay	-	-	-	-	-	-					<0.1	%	Subcontracted
Thiocyanate	3.5	1.7	<0.6	1.3	9.5	14.0					<0.6	mg/kg	TM107/PM45
Elemental Sulphur	169	3	51	78	166	680					<1	mg/kg	TM108/PM8
Loss on Ignition #	NDP	<1.0	38.3	13.3	49.3	NDP					<1.0	%	TM22/PM0
pH #	7.32	7.84	7.16	6.71	3.39	7.51					<0.01	pH units	TM73/PM11
Sample Type	Clay	Other	Loam	Clay	Other	Sand						None	PM13/PM0
Sample Colour	Medium Grey	White	Medium Brown	Medium Brown	Other	Dark Grey						None	PM13/PM0
Other Items	stone and sand	chalk	stones	none	dk red oily and tar	stones and oily						None	PM13/PM0

Client Name: Worley Parsons **SVOC Report :** **Solid**

Reference: 51576-00

Location: TOTTENHAM

Contact: Sam Thrupp

JE Job No.: 13/1071

J E Sample No.	3-5	8-9	45-47									
Sample ID	33BH12-06	35BH12-06	50WS12-07									
Depth	0170	0520	0090							Please see attached notes for all abbreviations and acronyms		
COC No / misc												
Containers	V J T	V J	V J T									
Sample Date	16/01/2013	17/01/2013	22/01/2013									
Sample Type	Soil	Soil	Soil									
Batch Number	1	1	1							LOD	Units	Method No.
Date of Receipt	23/01/2013	23/01/2013	23/01/2013									
SVOC MS												
Phenols												
2-Chlorophenol	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
2-Methylphenol	4.51	0.26	183.93							<0.01	mg/kg	TM16/PM8
2-Nitrophenol	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
2,4-Dichlorophenol	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
2,4-Dimethylphenol	3.91	<0.10	202.63							<0.01	mg/kg	TM16/PM8
2,4,5-Trichlorophenol	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
2,4,6-Trichlorophenol	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
4-Chloro-3-methylphenol	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
4-Methylphenol	8.22	<0.10	318.53							<0.01	mg/kg	TM16/PM8
4-Nitrophenol	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
Pentachlorophenol	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
Phenol	14.42	0.22	241.66							<0.01	mg/kg	TM16/PM8
PAHs												
2-Chloronaphthalene	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
2-Methylnaphthalene	351.46	10.09	532.29							<0.01	mg/kg	TM16/PM8
Phthalates												
Bis(2-ethylhexyl) phthalate	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
Butylbenzyl phthalate	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
Di-n-butyl phthalate	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
Di-n-Octyl phthalate	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
Diethyl phthalate	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
Dimethyl phthalate	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
Other SVOCs												
1,2-Dichlorobenzene	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
1,2,4-Trichlorobenzene	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
1,3-Dichlorobenzene	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
1,4-Dichlorobenzene	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
2-Nitroaniline	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
2,4-Dinitrotoluene	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
2,6-Dinitrotoluene	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
3-Nitroaniline	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
4-Bromophenylphenylether	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
4-Chloroaniline	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
4-Chlorophenylphenylether	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
4-Nitroaniline	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
Azobenzene	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
Bis(2-chloroethoxy)methane	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
Bis(2-chloroethyl)ether	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
Carbazole	1.92	<0.10	22.48							<0.01	mg/kg	TM16/PM8
Dibenzofuran	16.28	0.53	128.91							<0.01	mg/kg	TM16/PM8
Hexachlorobenzene	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
Hexachlorobutadiene	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
Hexachlorocyclopentadiene	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
Hexachloroethane	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
Isophorone	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
N-nitrosodi-n-propylamine	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8
Nitrobenzene	<0.10	<0.10	<0.10							<0.01	mg/kg	TM16/PM8

Client Name: Worley Parsons **VOC Report :** **Solid**

Reference: 51576-00

Location: TOTTENHAM

Contact: Sam Thrupp

JE Job No.: 13/1071

J E Sample No.	3-5	8-9	17-19	22-24	45-47							
Sample ID	33BH12-06	35BH12-06	39WS12-02	41WS12-02	50WS12-07							
Depth	0170	0520	0140	0290	0090							
COC No / misc												
Containers	V J T	V J	V J T	V J T	V J T							
Sample Date	16/01/2013	17/01/2013	17/01/2013	17/01/2013	22/01/2013							
Sample Type	Soil	Soil	Soil	Soil	Soil							
Batch Number	1	1	1	1	1							
Date of Receipt	23/01/2013	23/01/2013	23/01/2013	23/01/2013	23/01/2013							

Please see attached notes for all abbreviations and acronyms

											LOD	Units	Method No.
VOC MS													
Dichlorodifluoromethane	<0.002	<0.002	<0.002	<0.002	<0.020						<0.002	mg/kg	TM15/PM10
Methyl Tertiary Butyl Ether #	<0.002	<0.002	<0.002	<0.002	<0.020						<0.002	mg/kg	TM15/PM10
Chloromethane #	0.199	<0.003	<0.003	0.183	<0.030						<0.003	mg/kg	TM15/PM10
Vinyl Chloride	<0.002	<0.002	<0.002	<0.002	<0.020						<0.002	mg/kg	TM15/PM10
Bromomethane	<0.001	<0.001	<0.001	<0.001	<0.010						<0.001	mg/kg	TM15/PM10
Chloroethane #	0.030	<0.002	<0.002	0.043	<0.020						<0.002	mg/kg	TM15/PM10
Trichlorofluoromethane #	<0.002	<0.002	<0.002	<0.002	<0.020						<0.002	mg/kg	TM15/PM10
1,1-Dichloroethene #	<0.006	<0.006	<0.006	<0.006	<0.060						<0.006	mg/kg	TM15/PM10
Dichloromethane #	<0.007	<0.007	<0.007	<0.007	<0.070						<0.007	mg/kg	TM15/PM10
trans-1-2-Dichloroethene #	<0.003	<0.003	<0.003	<0.003	<0.030						<0.003	mg/kg	TM15/PM10
1,1-Dichloroethane #	<0.003	<0.003	<0.003	<0.003	<0.030						<0.003	mg/kg	TM15/PM10
cis-1-2-Dichloroethene #	<0.003	<0.003	<0.003	<0.003	<0.030						<0.003	mg/kg	TM15/PM10
2,2-Dichloropropane	<0.004	<0.004	<0.004	<0.004	<0.040						<0.004	mg/kg	TM15/PM10
Bromochloromethane #	<0.003	<0.003	<0.003	<0.003	<0.030						<0.003	mg/kg	TM15/PM10
Chloroform #	<0.003	<0.003	<0.003	<0.003	<0.030						<0.003	mg/kg	TM15/PM10
1,1,1-Trichloroethane #	<0.003	<0.003	<0.003	<0.003	<0.030						<0.003	mg/kg	TM15/PM10
1,1-Dichloropropene #	<0.003	<0.003	<0.003	<0.003	<0.030						<0.003	mg/kg	TM15/PM10
Carbon tetrachloride #	<0.004	<0.004	<0.004	<0.004	<0.040						<0.004	mg/kg	TM15/PM10
1,2-Dichloroethane #	<0.004	<0.004	<0.004	<0.004	<0.040						<0.004	mg/kg	TM15/PM10
Benzene #	345.658++	2.674++	460.157++	467.692++	586.962++						<0.003	mg/kg	TM15/PM10
Trichloroethene #	<0.003	<0.003	0.070	0.125	<0.030						<0.003	mg/kg	TM15/PM10
1,2-Dichloropropane #	<0.006	<0.006	<0.006	<0.006	<0.060						<0.006	mg/kg	TM15/PM10
Dibromomethane #	<0.003	<0.003	<0.003	<0.003	<0.030						<0.003	mg/kg	TM15/PM10
Bromodichloromethane #	<0.003	<0.003	<0.003	<0.003	<0.030						<0.003	mg/kg	TM15/PM10
cis-1-3-Dichloropropene	<0.004	<0.004	<0.004	<0.004	<0.040						<0.004	mg/kg	TM15/PM10
Toluene #	439.644++	2.215++	48.894++	573.482++	649.983++						<0.003	mg/kg	TM15/PM10
trans-1-3-Dichloropropene	<0.003	<0.003	<0.003	<0.003	<0.030						<0.003	mg/kg	TM15/PM10
1,1,2-Trichloroethane #	<0.003	<0.003	<0.003	<0.003	<0.030						<0.003	mg/kg	TM15/PM10
Tetrachloroethene #	0.040	<0.003	<0.003	<0.003	<0.030						<0.003	mg/kg	TM15/PM10
1,3-Dichloropropane #	<0.003	<0.003	<0.003	<0.003	<0.030						<0.003	mg/kg	TM15/PM10
Dibromochloromethane #	<0.003	<0.003	<0.003	<0.003	<0.030						<0.003	mg/kg	TM15/PM10
1,2-Dibromoethane #	<0.003	<0.003	<0.003	<0.003	<0.030						<0.003	mg/kg	TM15/PM10
Chlorobenzene #	0.463	<0.003	<0.003	<0.003	<0.030						<0.003	mg/kg	TM15/PM10
1,1,1,2-Tetrachloroethane	<0.003	<0.003	<0.003	<0.003	<0.030						<0.003	mg/kg	TM15/PM10
Ethylbenzene #	116.925++	0.936	167.135++	86.201++	174.263++						<0.003	mg/kg	TM15/PM10
p/m-Xylene #	442.435++	3.297++	367.999++	363.559++	893.092++						<0.006	mg/kg	TM15/PM10
o-Xylene #	232.556++	3.267++	210.801++	167.927++	380.407++						<0.003	mg/kg	TM15/PM10
Styrene	<0.003	<0.003	<0.003	<0.003	<0.030						<0.003	mg/kg	TM15/PM10
Bromoform #	<0.003	<0.003	<0.003	<0.003	<0.030						<0.003	mg/kg	TM15/PM10
Isopropylbenzene #	34.309++	0.979	18.175++	5.074++	86.454++						<0.003	mg/kg	TM15/PM10
1,1,2,2-Tetrachloroethane #	<0.003	<0.003	<0.003	<0.003	<0.030						<0.003	mg/kg	TM15/PM10
Bromobenzene	<0.002	<0.002	<0.002	<0.002	<0.020						<0.002	mg/kg	TM15/PM10
1,2,3-Trichloropropane #	<0.004	<0.004	<0.004	<0.004	<0.040						<0.004	mg/kg	TM15/PM10
Propylbenzene #	7.407++	0.292	22.592++	10.503++	15.244						<0.004	mg/kg	TM15/PM10
2-Chlorotoluene	<0.003	<0.003	<0.003	<0.003	<0.030						<0.003	mg/kg	TM15/PM10
1,3,5-Trimethylbenzene #	31.829++	1.706	69.055++	36.941++	74.740++						<0.003	mg/kg	TM15/PM10
4-Chlorotoluene	<0.003	<0.003	<0.003	<0.003	<0.030						<0.003	mg/kg	TM15/PM10
tert-Butylbenzene #	<0.005	<0.005	<0.005	<0.005	<0.050						<0.005	mg/kg	TM15/PM10
1,2,4-Trimethylbenzene #	69.067++	2.158++	212.473++	97.640++	174.715++						<0.006	mg/kg	TM15/PM10
sec-Butylbenzene #	<0.004	0.743	<0.004	<0.004	<0.040						<0.004	mg/kg	TM15/PM10
4-Isopropyltoluene #	3.899++	0.321	10.265++	1.755	15.008						<0.004	mg/kg	TM15/PM10
1,3-Dichlorobenzene #	<0.004	<0.004	<0.004	<0.004	<0.040						<0.004	mg/kg	TM15/PM10
1,4-Dichlorobenzene #	<0.004	<0.004	<0.004	<0.004	<0.040						<0.004	mg/kg	TM15/PM10
n-Butylbenzene #	<0.004	<0.004	<0.004	<0.004	8.193						<0.004	mg/kg	TM15/PM10
1,2-Dichlorobenzene #	<0.004	<0.004	<0.004	<0.004	<0.040						<0.004	mg/kg	TM15/PM10
1,2-Dibromo-3-chloropropane #	<0.004	<0.004	<0.004	<0.004	<0.040						<0.004	mg/kg	TM15/PM10
1,2,4-Trichlorobenzene #	<0.007	<0.007	<0.007	<0.007	<0.070						<0.007	mg/kg	TM15/PM10
Hexachlorobutadiene	<0.004	<0.004	<0.004	<0.004	<0.040						<0.004	mg/kg	TM15/PM10
Naphthalene	513.351++	51.471++	2609.742++	1530.231++	2043.038++						<0.027	mg/kg	TM15/PM10
1,2,3-Trichlorobenzene #	<0.007	<0.007	<0.007	<0.007	<0.070						<0.007	mg/kg	TM15/PM10
Surrogate Recovery Toluene D8	51	95	78	55	63						<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	70	78	72	70	50						<0	%	TM15/PM10

Client Name: Worley Parsons

Reference: 51576-00

Location: TOTTENHAM

Contact: Sam Thrupp

Note:

Analysis was carried out in accordance with our documented in-house methods PM042 and TM065 and HSG 248 by Stereo and Polarised Light Microscopy using Dispersion Staining Techniques and is covered by our UKAS accreditation. Samples are retained for not less than 6 months from the date of analysis unless specifically requested.

Opinions lie outside the scope of our UKAS accreditation.

Where the sample is not taken by a Jones Environmental Laboratory consultant, Jones Environmental Laboratory cannot be responsible for inaccurate or unrepresentative sampling.

Signed on behalf of Jones Environmental Laboratory:



Gemma Newsome
Asbestos Team Leader

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	Date Of Analysis	Description	Asbestos Results
13/1071	1	32BH12-06	0020	1-2	05/02/2013	Soil	NAD
13/1071	1	38WS12-02	0090	14-16	05/02/2013	Soil	NAD
13/1071	1	42WS12-05	0030	25-26	05/02/2013	Soil - Loose Fibre Bundles	Amosite, Chrysotile, Crocidolite
13/1071	1	43WS12-05	0070	27-28	05/02/2013	Soil - Loose Fibre Bundleds, Soil - Loose Fibre Bundles	Amosite, Chrysotile, Crocidolite
13/1071	1	45WS12-03	0200	31-32	05/02/2013	Soil - Asbestos Cement Debris	Amosite, Chrysotile
13/1071	1	46WS12-01	0030	33-35	05/02/2013	Soil - Loose Fibre Bundles	Amosite, Chrysotile, Crocidolite
13/1071	1	48WS12-08	0070	39-41	05/02/2013	Soil	NAD
13/1071	1	51WS12-07	0035	48-50	05/02/2013	Soil - Loose Fibre Bundles	Amosite, Chrysotile, Crocidolite

Client Name: Worley Parsons

Reference: 51576-00

Location: TOTTENHAM

Contact: Sam Thrupp

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	NDP Reason
13/1071	1	43WS12-05	0070	27-28	Asbestos detected in sample
13/1071	1	45WS12-03	0200	31-32	Asbestos detected in sample
13/1071	1	51WS12-07	0035	48-50	Asbestos detected in sample

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 13/1071

SOILS

Please note we are only MCERTS accredited for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary. If we are instructed to keep samples, a storage charge of £1 (1.5 Euros) per sample per month will be applied until we are asked to dispose of them.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

WATERS

Please note we are not a Drinking Water Inspectorate (DWI) Approved Laboratory . It is important that detection limits are carefully considered when requesting water analysis.

UKAS accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

NOTE

Data is only accredited when all the requirements of our Quality System have been met. In certain circumstances where the requirements have not been met, the laboratory may issue the data in an interim report but will remove the accreditation, in this instance results should be considered indicative only. Where possible samples will be re-extracted and a final report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

ABBREVIATIONS and ACRONYMS USED

#	UKAS accredited.
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance.
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
++	Result outside calibration range, results should be considered as indicative only and are not accredited.
*	Analysis subcontracted to a Jones Environmental approved laboratory.
CO	Suspected carry over
NFD	No Fibres Detected

JE Job No 13/1071

Test Method No.	Description	Prep Method No. (if appropriate)	Description	UKAS	MCERTS (soils only)	Analysis done on As Received (AR) or Air Dried (AD)	Solid Results expressed on Dry/Wet basis
PM4	Moisture Content	PM0	No Preparation				
PM4	Moisture Content	PM0	No Preparation				WET
TM4	16 PAH by GC-MS, modified USEPA 8270	PM6	Soxhlet extraction			AR	DRY
TM4	16 PAH by GC-MS, modified USEPA 8270	PM8	End Over End extraction			AR	DRY
TM4	16 PAH by GC-MS, modified USEPA 8270	PM8	End Over End extraction	Yes		AR	DRY
TM4	16 PAH by GC-MS, modified USEPA 8270	PM8	End Over End extraction			AR	
TM5	EPH by GC-FID, modified USEPA 8015	PM16	Aliphatic/Aromatic fractionation	Yes		AR	DRY
TM5	EPH by GC-FID, modified USEPA 8015	PM6	Soxhlet extraction			AR	DRY
TM5	EPH by GC-FID, modified USEPA 8015	PM8	End Over End extraction	Yes		AR	DRY
TM5/TM36	TPH CWG by GC-FID	PM12/PM16	CWG GC-FID			AR	DRY
TM5/TM36	TPH CWG by GC-FID	PM12/PM16	CWG GC-FID	Yes		AR	DRY
TM5/TM36	TPH CWG by GC-FID	PM12/PM6	CWG GC-FID			AR	DRY
PM13	Soil Typing for MCERTS	PM0	No Preparation			AR	
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS			AR	DRY
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS	Yes		AR	DRY
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS			AR	
TM16	SVOC - Target by GC-MS, modified USEPA 8270	PM8	End Over End extraction			AR	DRY
TM21	TOC and TC by Combustion	PM24	Eltra preparation			AD	DRY
TM22	Loss on Ignition (LOI) - gravimetric	PM0	No Preparation	Yes		AD	DRY
TM26	Phenols by HPLC	PM21	Methanol : NaOH extraction			AR	DRY
TM26	Phenols by HPLC	PM21	Methanol : NaOH extraction	Yes		AR	DRY
TM30	Metals by ICP-OES	PM15	Aqua Regia extraction (Soils)	Yes		AD	DRY
TM30	Metals by ICP-OES	PM62	Aqua Regia extraction (Soils) (as received sample)			AR	DRY
TM36	GRO by Headspace GC-FID	PM12	GRO GC-FID			AR	DRY
TM36	GRO by Headspace GC-FID	PM12	GRO GC-FID	Yes		AR	DRY
TM38	SO4,Cl,NO3,NO2,F,PO4, Amm N2,ThioCN, Hex Cr by Aquakem	PM20	1:2 soil to water extraction	Yes		AD	DRY
TM38	SO4,Cl,NO3,NO2,F,PO4, Amm N2,ThioCN, Hex Cr by Aquakem	PM20	1:2 soil to water extraction			AR	DRY
TM38	SO4,Cl,NO3,NO2,F,PO4, Amm N2,ThioCN, Hex Cr by Aquakem	PM60	1:2 soil to water extraction (as received sample)	Yes		AR	DRY
TM65	Asbestos Bulk Identification	PM42	Screening of soils for fibres			AR	
TM65	Asbestos Bulk Identification	PM42	Screening of soils for fibres	Yes		AR	
TM73	pH in by Metrohm	PM11	1:2.5 soil/water extraction	Yes		AR	WET
TM74	Water Soluble Boron by ICP-OES	PM32	Preparation of soils for WSB	Yes		AD	DRY
TM74	Water Soluble Boron by ICP-OES	PM61	Preparation of soils for WSB (as received sample)			AR	DRY
TM89	Cyanide by FIA	PM45	Cyanide & Thiocyanate prep for soils			AR	DRY
TM89	Cyanide by FIA	PM45	Cyanide & Thiocyanate prep for soils	Yes		AR	DRY
TM107	Thiocyanate by CFA	PM45	Cyanide & Thiocyanate prep for soils			AR	DRY
TM108	Elemental Sulphur by HPLC	PM8	End Over End extraction			AR	DRY
Subcontracted	Subcontracted					AD	DRY

Jones Environmental Laboratory

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Worley Parsons
27 Great West Rd
Brentford
TW8 9BW

No.4225

Attention :	Philip Harrison
Date :	30th April, 2013
Your reference :	305008-000180-51603-00
Our reference :	Test Report 13/3853 Batch 1
Location :	TOTTENHAM MARSH
Date samples received :	20th April, 2013
Status :	Final report
Issue :	1

Eight samples were received for analysis on 20th April, 2013. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Paul Lee-Boden B.Sc
Project Manager

Bob Millward B.Sc
Principal Chemist

Jones Environmental Laboratory

Client Name: Worley Parsons

Reference: 305008-000180-51603-00

Location: TOTTENHAM MARSH

Contact: Philip Harrison

JE Job No.: 13/3853

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

J E Sample No.	1-5	6-8	9-11	12-15	16-18	19-24	25-27	28-30			LOD	Units	Method No.
Sample ID	01BH10/1160413SO1.3-1.5	02BH10/2.0160413SO1.9-2.0	03BH10/3160413SO3.8-4.1	04BH10/4160413SO6.9-7.2	05BH11/1180413SO3.4-3.6	06BH11/2.0180413SO1.9-2.0	07BH11/3180413SO5.3-5.5	08BH11/4190413SO6.8-6.9					
Depth	1.3-1.5	1.9-2.0	3.8-4.1	6.9-7.2	3.4-3.6	1.9-2.0	5.3-5.5	6.8-6.9					
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T					
Sample Date	16/04/2013	16/04/2013	16/04/2013	16/04/2013	18/04/2013	18/04/2013	18/04/2013	19/04/2013					
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil					
Batch Number	1	1	1	1	1	1	1	1					
Date of Receipt	20/04/2013	20/04/2013	20/04/2013	20/04/2013	20/04/2013	20/04/2013	20/04/2013	20/04/2013					
Arsenic #	85.3	-	13.1	9.8	19.8	-	13.3	9.6			<0.5	mg/kg	TM30/PM15
Cadmium #	0.2	-	<0.1	<0.1	0.2	-	<0.1	0.2			<0.1	mg/kg	TM30/PM15
Chromium #	27.6	-	10.8	8.0	72.0	-	11.6	48.7			<0.5	mg/kg	TM30/PM15
Copper #	94	-	8	12	54	-	22	28			<1	mg/kg	TM30/PM15
Lead #	287	-	7	6	27	-	123	10			<5	mg/kg	TM30/PM15
Mercury #	0.4	-	<0.1	<0.1	0.3	-	<0.1	<0.1			<0.1	mg/kg	TM30/PM15
Nickel #	33.1	-	15.1	11.7	68.8	-	22.2	47.0			<0.7	mg/kg	TM30/PM15
Selenium #	3	-	<1	<1	6	-	<1	3			<1	mg/kg	TM30/PM15
Water Soluble Boron #	1.3	-	0.3	0.4	30.7	-	0.4	3.5			<0.1	mg/kg	TM74/PM32
Zinc #	198	-	20	8	144	-	72	93			<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene #	3.96	-	3.85	0.06	<0.04	-	<0.04	0.07			<0.04	mg/kg	TM4/PM8
Acenaphthylene	2.00	-	1.96	<0.03	<0.03	-	<0.03	<0.03			<0.03	mg/kg	TM4/PM8
Acenaphthene #	0.76	-	5.69	0.08	<0.05	-	<0.05	<0.05			<0.05	mg/kg	TM4/PM8
Fluorene #	1.79	-	0.48	<0.04	<0.04	-	<0.04	<0.04			<0.04	mg/kg	TM4/PM8
Phenanthrene #	3.84	-	3.23	<0.03	<0.03	-	0.03	0.07			<0.03	mg/kg	TM4/PM8
Anthracene #	2.17	-	2.50	<0.04	<0.04	-	0.06	<0.04			<0.04	mg/kg	TM4/PM8
Fluoranthene #	11.90	-	6.90	<0.03	<0.03	-	0.03	<0.03			<0.03	mg/kg	TM4/PM8
Pyrene #	11.03	-	8.03	<0.03	<0.03	-	0.03	0.04			<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	4.82	-	2.68	<0.06	<0.06	-	<0.06	<0.06			<0.06	mg/kg	TM4/PM8
Chrysene #	4.63	-	2.54	<0.02	<0.02	-	<0.02	<0.02			<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	8.43	-	3.17	<0.07	<0.07	-	<0.07	<0.07			<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	5.19	-	2.16	<0.04	<0.04	-	<0.04	<0.04			<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #	3.90	-	1.22	<0.04	<0.04	-	<0.04	<0.04			<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	0.63	-	0.26	<0.04	<0.04	-	<0.04	<0.04			<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	3.80	-	1.24	<0.04	<0.04	-	<0.04	<0.04			<0.04	mg/kg	TM4/PM8
PAH 16 Total	68.9	-	45.9	<0.6	<0.6	-	<0.6	<0.6			<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	6.07	-	2.28	<0.05	<0.05	-	<0.05	<0.05			<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	2.36	-	0.89	<0.02	<0.02	-	<0.02	<0.02			<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	99	-	93	92	88	-	88	87			<0	%	TM4/PM8
Methyl Tertiary Butyl Ether #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			<0.002	mg/kg	TM15/PM10
Benzene #	1.434	21.912 ++	0.276	20.036	<0.003	0.191	0.007	0.034			<0.003	mg/kg	TM15/PM10
Toluene #	0.236	0.014	0.353	2.132	<0.003	0.012	<0.003	0.005			<0.003	mg/kg	TM15/PM10
Ethylbenzene #	0.385	3.293	0.982	0.119	<0.003	0.006	<0.003	<0.003			<0.003	mg/kg	TM15/PM10
p/m-Xylene #	0.389	4.619	4.129	0.497	<0.006	0.013	<0.006	<0.006			<0.006	mg/kg	TM15/PM10
o-Xylene #	0.108	0.020	2.146	0.185	<0.003	0.004	<0.003	<0.003			<0.003	mg/kg	TM15/PM10
Surrogate Recovery Toluene D8	99	126	85	134	91	96	65	59			<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	62	134	80	179	62	68	94	64			<0	%	TM15/PM10
EPH (C8-C40) #	3454	-	6828	<30	300	-	<30	<30			<30	mg/kg	TM5/PM8

Please see attached notes for all abbreviations and acronyms

Client Name: Worley Parsons

Reference: 305008-000180-51603-00

Location: TOTTENHAM MARSH

Contact: Philip Harrison

JE Job No.: 13/3853

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

J E Sample No.	1-5	6-8	9-11	12-15	16-18	19-24	25-27	28-30			LOD	Units	Method No.
Sample ID	01BH10/1160413SO1.3-1.5	02BH10/2.0160413SO1.9-2.0	03BH10/3160413SO3.8.4.1	04BH10/4160413SO6.9-7.2	05BH11/1180413SO3.4-3.6	06BH11/2.0180413SO1.9-2.0	07BH11/3180413SO5.3-5.5	08BH11/4190413SO6.8-6.9					
Depth	1.3-1.5	1.9-2.0	3.8-4.1	6.9-7.2	3.4-3.6	1.9-2.0	5.3-5.5	6.8-6.9					
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T					
Sample Date	16/04/2013	16/04/2013	16/04/2013	16/04/2013	18/04/2013	18/04/2013	18/04/2013	19/04/2013					
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil					
Batch Number	1	1	1	1	1	1	1	1					
Date of Receipt	20/04/2013	20/04/2013	20/04/2013	20/04/2013	20/04/2013	20/04/2013	20/04/2013	20/04/2013					
TPH CWG													
Aliphatics													
>C5-C6 #	-	0.3	0.4	0.3	-	0.1	-	-			<0.1	mg/kg	TM36/PM12
>C6-C8 #	-	36.8	18.9	39.1	-	0.6	-	-			<0.1	mg/kg	TM36/PM12
>C8-C10	-	7.7	31.0	1.9	-	0.9	-	-			<0.1	mg/kg	TM36/PM12
>C10-C12 #	-	40.5	280.9	<0.2	-	47.4	-	-			<0.2	mg/kg	TM5/PM16
>C12-C16 #	-	179	1914	<4	-	611	-	-			<4	mg/kg	TM5/PM16
>C16-C21 #	-	123	1129	<7	-	467	-	-			<7	mg/kg	TM5/PM16
>C21-C35 #	-	30	231	<7	-	183	-	-			<7	mg/kg	TM5/PM16
Total aliphatics C5-35	-	417	3605	41	-	1310	-	-			<19	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics C5-C12	-	85.3	331.2	41.3	-	49.0	-	-			<0.5	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics >C12-C35 #	-	332	3274	<18	-	1261	-	-			<18	mg/kg	TM5/TM36/PM12/PM16
Aromatics													
>C5-EC7	-	27.6	0.4	37.0	-	0.3	-	-			<0.1	mg/kg	TM36/PM12
>EC7-EC8	-	<0.1	0.8	0.6	-	<0.1	-	-			<0.1	mg/kg	TM36/PM12
>EC8-EC10 #	-	11.3	3.7	0.6	-	<0.1	-	-			<0.1	mg/kg	TM36/PM12
>EC10-EC12 #	-	45.5	50.2	<0.2	-	<0.2	-	-			<0.2	mg/kg	TM5/PM16
>EC12-EC16 #	-	142	601	<4	-	184	-	-			<4	mg/kg	TM5/PM16
>EC16-EC21 #	-	336	835	<7	-	533	-	-			<7	mg/kg	TM5/PM16
>EC21-EC35 #	-	511	614	<7	-	733	-	-			<7	mg/kg	TM5/PM16
Total aromatics C5-35	-	1073	2105	38	-	1450	-	-			<19	mg/kg	TM5/TM36/PM12/PM16
Total aromatics C5-C12	-	84.4	55.1	38.2	-	<0.5	-	-			<0.5	mg/kg	TM5/TM36/PM12/PM16
Total aromatics >EC12-EC35 #	-	989	2050	<18	-	1450	-	-			<18	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics and aromatics(C5-35)	-	1490	5710	79	-	2760	-	-			<38	mg/kg	TM5/TM36/PM12/PM16
Resorcinol	<0.01	-	<0.01	<0.01	<0.01	-	<0.01	<0.01			<0.01	mg/kg	TM26/PM21
Catechol	<0.01	-	<0.01	<0.01	<0.01	-	<0.01	<0.01			<0.01	mg/kg	TM26/PM21
Phenol #	0.02	-	<0.01	0.26	0.05	-	<0.01	<0.01			<0.01	mg/kg	TM26/PM21
m/p-cresol #	<0.02	-	<0.02	0.03	<0.02	-	<0.02	<0.02			<0.02	mg/kg	TM26/PM21
o-cresol #	<0.01	-	0.03	<0.01	<0.01	-	<0.01	<0.01			<0.01	mg/kg	TM26/PM21
Total cresols #	<0.03	-	0.03	0.03	<0.03	-	<0.03	<0.03			<0.03	mg/kg	TM26/PM21
Xylenols #	<0.06	-	<0.06	<0.06	<0.06	-	<0.06	<0.06			<0.06	mg/kg	TM26/PM21
1-naphthol	<0.01	-	<0.01	<0.01	<0.01	-	<0.01	<0.01			<0.01	mg/kg	TM26/PM21
2,3,5-trimethyl phenol #	<0.01	-	<0.01	<0.01	<0.01	-	<0.01	<0.01			<0.01	mg/kg	TM26/PM21
2-isopropylphenol #	<0.01	-	<0.01	<0.01	<0.01	-	<0.01	<0.01			<0.01	mg/kg	TM26/PM21
Total Speciated Phenols HPLC	<0.15	-	<0.15	0.29	<0.15	-	<0.15	<0.15			<0.15	mg/kg	TM26/PM21
Natural Moisture Content	22.7	-	10.1	13.1	80.7	-	11.3	24.3			<0.1	%	PM4/PM0
Stone Content >= 10mm	32.6	-	11.3	<0.1	<0.1	-	12.8	<0.1			<0.1	%	PM4/PM0
Ammoniacal Nitrogen as NH4	11.0	-	2.6	3.7	109.1	-	5.3	29.0			<0.6	mg/kg	TM38/PM20
Chloride #	199	63	116	32	406	149	29	98			<2	mg/kg	TM38/PM20
Sulphate as SO4 (2:1 Ext) #	1.5456	0.4002	0.1181	0.1057	0.1824	0.1418	0.0579	0.1917			<0.0015	g/l	TM38/PM20

Please see attached notes for all abbreviations and acronyms

Jones Environmental Laboratory

Client Name: Worley Parsons

Reference: 305008-000180-51603-00

Location: TOTTENHAM MARSH

Contact: Philip Harrison

JE Job No.: 13/3853

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

J E Sample No.	1-5	6-8	9-11	12-15	16-18	19-24	25-27	28-30			LOD	Units	Method No.
Sample ID	01BH09/1160413SO1.3-1.5	02BH10/2.0160413SO1.9-2.0	03BH03/3160413SO3.8-4.1	04BH10/4160413SO6.9-7.2	05BH11/1180413SO3.4-3.6	06BH11/2.0180413SO1.9-2.0	07BH11/3180413SO5.3-5.5	08BH11/4190413SO6.8-6.9					
Depth	1.3-1.5	1.9-2.0	3.8-4.1	6.9-7.2	3.4-3.6	1.9-2.0	5.3-5.5	6.8-6.9					
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T					
Sample Date	16/04/2013	16/04/2013	16/04/2013	16/04/2013	18/04/2013	18/04/2013	18/04/2013	19/04/2013					
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil					
Batch Number	1	1	1	1	1	1	1	1					
Date of Receipt	20/04/2013	20/04/2013	20/04/2013	20/04/2013	20/04/2013	20/04/2013	20/04/2013	20/04/2013					
Free Cyanide	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5			<0.5	mg/kg	TM89/PM45
Total Cyanide #	35.0	-	<0.5	<0.5	11.9	-	<0.5	<0.5			<0.5	mg/kg	TM89/PM45
Complex Cyanide	35.0	-	<0.5	<0.5	11.9	-	<0.5	<0.5			<0.5	mg/kg	TM89/PM45
Fraction Organic Carbon	0.125	0.015	0.003	<0.001	0.089	0.041	0.002	0.005			<0.001	None	TM21/PM24
Thiocyanate	12.1	-	2.2	2.4	3.1	-	1.7	1.2			<0.6	mg/kg	TM107/PM45
Elemental Sulphur	535	-	28	44	40	-	67	<1			<1	mg/kg	TM108/PM8
Loss on Ignition #	15.4	-	1.6	1.2	31.3	-	1.6	3.8			<1.0	%	TM22/PM0
pH #	6.26	6.90	7.27	7.24	7.88	8.02	8.03	8.08			<0.01	pH units	TM73/PM11
Sample Type	Sand	-	Sand	Sand	Clayey Silt	-	Other	Clay				None	PM13/PM0
Sample Colour	Dark Grey	-	Dark Brown	Dark Grey	Dark Grey	-	Medium Brown	Medium Brown				None	PM13/PM0
Other Items	sand, stones, oily	-	stones, oily	stones,oily	oily	-	mostly stones, sand, oily	none				None	PM13/PM0

Please see attached notes for all abbreviations and acronyms

Client Name: Worley Parsons

Reference: 305008-000180-51603-00

Location: TOTTENHAM MARSH

Contact: Philip Harrison

JE Job No.: 13/3853

Report : NRA Leachate

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

Please see attached notes for all abbreviations and acronyms

J E Sample No.	6-8	9-11	12-15	16-18	19-24	25-27					LOD	Units	Method No.
Sample ID	02BH10/2.0160413SO1.9-2.0	03BH10/3160413SO3.8.4.1	04BH10/4160413SO6.9-7.2	05BH11/1180413SO3.4-3.6	06BH11/2.0180413SO1.9-2.0	07BH11/3180413SO5.3-5.5							
Depth	1.9-2.0	3.8-4.1	6.9-7.2	3.4-3.6	1.9-2.0	5.3-5.5							
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T							
Sample Date	16/04/2013	16/04/2013	16/04/2013	18/04/2013	18/04/2013	18/04/2013							
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil							
Batch Number	1	1	1	1	1	1							
Date of Receipt	20/04/2013	20/04/2013	20/04/2013	20/04/2013	20/04/2013	20/04/2013							
Dissolved Arsenic	-	0.0021	0.0077	0.0041	-	0.0025					<0.0009	mg/l	TM30/PM14
Dissolved Cadmium	-	<0.00003	0.00005	<0.00003	-	<0.00003					<0.00003	mg/l	TM30/PM14
Dissolved Chromium	-	<0.0002	<0.0002	0.0012	-	<0.0002					<0.0002	mg/l	TM30/PM14
Dissolved Copper	-	<0.003	<0.003	<0.003	-	0.004					<0.003	mg/l	TM30/PM14
Dissolved Iron	-	0.1722	0.1951	0.5894	-	0.1113					<0.0047	mg/l	TM30/PM14
Dissolved Lead	-	<0.0004	0.0007	0.0017	-	<0.0004					<0.0004	mg/l	TM30/PM14
Dissolved Nickel	-	0.0057	0.0157	0.0058	-	<0.0002					<0.0002	mg/l	TM30/PM14
Dissolved Selenium	-	<0.0012	<0.0012	<0.0012	-	<0.0012					<0.0012	mg/l	TM30/PM14
Dissolved Zinc	-	0.0059	0.0123	0.0061	-	0.0038					<0.0015	mg/l	TM30/PM14
Mercury Dissolved by CVAF	-	0.00006	<0.00001	0.00027	-	0.00024					<0.00001	mg/l	TM61/PM38
Total Dissolved Sulphur	-	13.79	6.72	9.14	-	2.08					<0.01	mg/l	TM30/PM14
PAH MS													
Naphthalene	-	0.000300	0.001390	<0.000014	-	<0.000014					<0.000014	mg/l	TM4/PM30
Acenaphthylene	-	0.009840	0.000020	0.000110	-	0.000030					<0.000013	mg/l	TM4/PM30
Acenaphthene	-	0.040150	0.000340	0.000570	-	0.000090					<0.000013	mg/l	TM4/PM30
Fluorene	-	0.002460	0.000060	0.000240	-	0.000210					<0.000014	mg/l	TM4/PM30
Phenanthrene	-	0.015590	0.000090	0.000130	-	0.000210					<0.000011	mg/l	TM4/PM30
Anthracene	-	0.013110	0.000020	0.000180	-	0.000550					<0.000013	mg/l	TM4/PM30
Fluoranthene	-	0.047310	0.000020	0.000250	-	0.000350					<0.000012	mg/l	TM4/PM30
Pyrene	-	0.050880	0.000020	0.000260	-	0.000330					<0.000013	mg/l	TM4/PM30
Benzo(a)anthracene	-	0.020940	<0.000015	0.000100	-	0.000140					<0.000015	mg/l	TM4/PM30
Chrysene	-	0.016990	<0.000011	0.000080	-	0.000140					<0.000011	mg/l	TM4/PM30
Benzo(bk)fluoranthene	-	0.020560	<0.000018	0.000090	-	0.000220					<0.000018	mg/l	TM4/PM30
Benzo(a)pyrene	-	0.014630	<0.000016	0.000090	-	0.000130					<0.000016	mg/l	TM4/PM30
Indeno(123cd)pyrene	-	0.008630	<0.000011	0.000050	-	0.000090					<0.000011	mg/l	TM4/PM30
Dibenzo(ah)anthracene	-	0.00204	<0.00001	0.00001	-	0.00002					<0.00001	mg/l	TM4/PM30
Benzo(ghi)perylene	-	0.006670	<0.000011	0.000030	-	0.000070					<0.000011	mg/l	TM4/PM30
PAH 16 Total	-	0.270100	0.001960	0.002190	-	0.002580					<0.000195	mg/l	TM4/PM30
Benzo(b)fluoranthene	-	0.01480	<0.00001	0.00006	-	0.00016					<0.00001	mg/l	TM4/PM30
Benzo(k)fluoranthene	-	0.00576	<0.00001	0.00003	-	0.00006					<0.00001	mg/l	TM4/PM30
PAH Surrogate % Recovery	-	101	88	92	-	91					<0	%	TM4/PM30
Methyl Tertiary Butyl Ether	-	<0.001	<0.001	<0.001	-	<0.001					<0.001	mg/l	TM15/PM10
Benzene	-	<0.001	2.431 ++	0.012	-	<0.001					<0.001	mg/l	TM15/PM10
Toluene	-	<0.002	0.060	0.002	-	<0.002					<0.002	mg/l	TM15/PM10
Ethylbenzene	-	<0.002	0.003	<0.002	-	<0.002					<0.002	mg/l	TM15/PM10
p/m-Xylene	-	<0.003	0.012	<0.003	-	<0.003					<0.003	mg/l	TM15/PM10
o-Xylene	-	0.030	0.004	<0.002	-	<0.002					<0.002	mg/l	TM15/PM10
Surrogate Recovery Toluene D8	-	136	123	144	-	126					<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	-	125	115	121	-	117					<0	%	TM15/PM10
EPH (C8-C40)	-	94.79	0.34	1.00	-	<0.01					<0.01	mg/l	TM5/PM30

Jones Environmental Laboratory

Client Name: Worley Parsons

Reference: 305008-000180-51603-00

Location: TOTTENHAM MARSH

Contact: Philip Harrison

JE Job No.: 13/3853

Report : NRA Leachate

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

J E Sample No.	6-8	9-11	12-15	16-18	19-24	25-27					LOD	Units	Method No.
Sample ID	02BH1/0/2.0160413SO1.9-2.0	03BH1/0/3160413SO3.8.4.1	04BH1/0/4160413SO6.9-7.2	05BH11/1180413SO3.4-3.6	06BH11/2.0180413SO1.9-2.0	07BH11/3180413SO5.3-5.5							
Depth	1.9-2.0	3.8-4.1	6.9-7.2	3.4-3.6	1.9-2.0	5.3-5.5							
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T							
Sample Date	16/04/2013	16/04/2013	16/04/2013	18/04/2013	18/04/2013	18/04/2013							
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil							
Batch Number	1	1	1	1	1	1							
Date of Receipt	20/04/2013	20/04/2013	20/04/2013	20/04/2013	20/04/2013	20/04/2013							
Resorcinol	-	<0.0005	<0.0005	<0.0005	-	<0.0005					<0.0005	mg/l	TM26/PM0
Catechol	-	<0.0005	<0.0005	<0.0005	-	<0.0005					<0.0005	mg/l	TM26/PM0
Phenol	-	<0.0005	0.0394	<0.0005	-	<0.0005					<0.0005	mg/l	TM26/PM0
m/p-cresol	-	<0.0005	0.0044	<0.0005	-	<0.0005					<0.0005	mg/l	TM26/PM0
o-cresol	-	<0.0005	0.0023	<0.0005	-	<0.0005					<0.0005	mg/l	TM26/PM0
Total cresols	-	<0.0005	0.0067	<0.0005	-	<0.0005					<0.0005	mg/l	TM26/PM0
Xylenols	-	<0.0005	<0.0005	<0.0005	-	<0.0005					<0.0005	mg/l	TM26/PM0
1-naphthol	-	<0.0005	<0.0005	<0.0005	-	<0.0005					<0.0005	mg/l	TM26/PM0
2,3,5-trimethyl phenol	-	<0.0005	<0.0005	<0.0005	-	<0.0005					<0.0005	mg/l	TM26/PM0
2-isopropylphenol	-	<0.0005	<0.0005	<0.0005	-	<0.0005					<0.0005	mg/l	TM26/PM0
Total Speciated Phenols HPLC	-	<0.005	0.046	<0.005	-	<0.005					<0.005	mg/l	TM26/PM0
Chloride	-	0.8	0.9	12.6	-	0.3					<0.3	mg/l	TM27/PM0
Sulphate	124.05	13.16	13.93	19.06	17.50	2.37					<0.05	mg/l	TM27/PM0
Free Cyanide	-	<0.005	<0.005	<0.005	-	<0.005					<0.005	mg/l	TM89/PM0
Total Cyanide	-	0.007	<0.005	0.019	-	0.007					<0.005	mg/l	TM89/PM0
Complex Cyanide	-	<0.01	<0.01	0.02	-	<0.01					<0.01	mg/l	TM89/PM0
Ammoniacal Nitrogen as NH4	-	0.35	0.71	12.31^{++}	-	0.37					<0.03	mg/l	TM38/PM0
Sulphide	-	<0.3	<0.3	<0.3	-	<0.3					<0.3	mg/l	TM106/PM0
Thiocyanate	-	<0.02	0.02	<0.02	-	<0.02					<0.02	mg/l	TM107/PM0
Dissolved Organic Carbon	-	6	8	20	-	3					<2	mg/l	TM60/PM0
Electrical Conductivity @25C	-	91	52	209	-	35					<2	uS/cm	TM76/PM0
pH	-	7.39	7.02	7.77	-	7.71					<0.01	pH units	TM73/PM0

Please see attached notes for all abbreviations and acronyms

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 13/3853

SOILS

Please note we are only MCERTS accredited for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary. If we are instructed to keep samples, a storage charge of £1 (1.5 Euros) per sample per month will be applied until we are asked to dispose of them.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

WATERS

Please note we are not a Drinking Water Inspectorate (DWI) Approved Laboratory . It is important that detection limits are carefully considered when requesting water analysis.

UKAS accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

NOTE

Data is only accredited when all the requirements of our Quality System have been met. In certain circumstances where the requirements have not been met, the laboratory may issue the data in an interim report but will remove the accreditation, in this instance results should be considered indicative only. Where possible samples will be re-extracted and a final report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

ABBREVIATIONS and ACRONYMS USED

#	UKAS accredited.
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance.
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
++	Result outside calibration range, results should be considered as indicative only and are not accredited.
*	Analysis subcontracted to a Jones Environmental approved laboratory.
CO	Suspected carry over
OC	Outside Calibration Range
NFD	No Fibres Detected

JE Job No 13/3853

Test Method No.	Description	Prep Method No. (if appropriate)	Description	UKAS	MCERTS (soils only)	Analysis done on As Received (AR) or Air Dried (AD)	Solid Results expressed on Dry/Wet basis
PM4	Moisture Content	PM0	No Preparation				
PM4	Moisture Content	PM0	No Preparation				WET
TM4	16 PAH by GC-MS, modified USEPA 8270	PM30	Magnetic stirrer extraction			AR	
TM4	16 PAH by GC-MS, modified USEPA 8270	PM30	Magnetic stirrer extraction			AR	WET
TM4	16 PAH by GC-MS, modified USEPA 8270	PM8	End Over End extraction			AR	DRY
TM4	16 PAH by GC-MS, modified USEPA 8270	PM8	End Over End extraction	Yes		AR	DRY
TM4	16 PAH by GC-MS, modified USEPA 8270	PM8	End Over End extraction			AR	
TM5	EPH by GC-FID, modified USEPA 8015	PM16	Aliphatic/Aromatic fractionation	Yes		AR	DRY
TM5	EPH by GC-FID, modified USEPA 8015	PM30	Magnetic stirrer extraction			AR	WET
TM5	EPH by GC-FID, modified USEPA 8015	PM8	End Over End extraction	Yes		AR	DRY
TM5/TM36	TPH CWG by GC-FID	PM12/PM16	CWG GC-FID			AR	DRY
TM5/TM36	TPH CWG by GC-FID	PM12/PM16	CWG GC-FID	Yes		AR	DRY
PM13	Soil Typing for MCERTS	PM0	No Preparation			AR	
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS			AR	DRY
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS	Yes		AR	DRY
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS			AR	
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS			AR	WET
TM21	TOC and TC by Combustion	PM24	Eltra preparation			AD	DRY
TM22	Loss on Ignition (LOI) - gravimetric	PM0	No Preparation	Yes		AD	DRY
TM26	Phenols by HPLC	PM0	No Preparation			AR	WET
TM26	Phenols by HPLC	PM21	Methanol : NaOH extraction			AR	DRY
TM26	Phenols by HPLC	PM21	Methanol : NaOH extraction	Yes		AR	DRY
TM27	SO4,Cl,NO3,NO2,F,PO4 by Dionex	PM0	No Preparation			AR	WET
TM30	Metals by ICP-OES	PM14	Metals by ICP (Waters)			AR	WET
TM30	Metals by ICP-OES	PM15	Aqua Regia extraction (Soils)	Yes		AD	DRY
TM36	GRO by Headspace GC-FID	PM12	GRO GC-FID			AR	DRY
TM36	GRO by Headspace GC-FID	PM12	GRO GC-FID	Yes		AR	DRY
TM38	SO4,Cl,NO3,NO2,F,PO4, Amm N2,ThioCN, Hex Cr by Aquakem	PM0	No Preparation			AR	WET
TM38	SO4,Cl,NO3,NO2,F,PO4, Amm N2,ThioCN, Hex Cr by Aquakem	PM20	1:2 soil to water extraction	Yes		AD	DRY
TM38	SO4,Cl,NO3,NO2,F,PO4, Amm N2,ThioCN, Hex Cr by Aquakem	PM20	1:2 soil to water extraction			AR	DRY
TM60	TOC/DOC by NDIR	PM0	No Preparation			AR	WET
TM61	Mercury - low level CVAF	PM38	Mercury CVAF			AR	WET
TM73	pH in by Metrohm	PM0	No Preparation			AR	WET
TM73	pH in by Metrohm	PM11	1:2.5 soil/water extraction	Yes		AR	WET
TM74	Water Soluble Boron by ICP-OES	PM32	Preparation of soils for WSB	Yes		AD	DRY
TM76	Electrical Conductivity by Metrohm	PM0	No Preparation			AR	WET
TM89	Cyanide by FIA	PM0	No Preparation			AR	WET
TM89	Cyanide by FIA	PM45	Cyanide & Thiocyanate prep for soils			AR	DRY
TM89	Cyanide by FIA	PM45	Cyanide & Thiocyanate prep for soils	Yes		AR	DRY
TM106	Sulphide by CFA	PM0	No Preparation			AR	WET
TM107	Thiocyanate by CFA	PM0	No Preparation			AR	WET
TM107	Thiocyanate by CFA	PM45	Cyanide & Thiocyanate prep for soils			AR	DRY
TM108	Elemental Sulphur by HPLC	PM8	End Over End extraction			AR	DRY

Jones Environmental Laboratory

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Worley Parsons
27 Great West Rd
Brentford
TW8 9BW

No.4225

Attention :	Philip Harrison
Date :	8th May, 2013
Your reference :	305008-00018 51603-00
Our reference :	Test Report 13/4066 Batch 1
Location :	TOTTENHAM MARSH
Date samples received :	27th April, 2013
Status :	Final report
Issue :	1

Eleven samples were received for analysis on 27th April, 2013. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Paul Lee-Boden B.Sc
Project Manager

Bob Millward B.Sc
Principal Chemist

Client Name: Worley Parsons

Reference: 305008-00018 51603-00

Location: TOTTENHAM MARSH

Contact: Philip Harrison

JE Job No.: 13/4066

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

J E Sample No.	1-3	4-9	10-12	13-15	16-18	19-21	22-24	25-26	27-28	29-30	LOD	Units	Method No.
Sample ID	01BH12/123/04/13SO0.4-0.6	02BH12/2.023/04/13SO1.9-2.0	03BH12/323/04/13SO3.0-3.2	04BH12/424/04/13SO4.3-4.4	05BH12/524/04/13SO6.3-6.4	06BH12/625/04/13SO8.0-8.2	07DUPLICATE25/04/13SO	08TR724/04/13SO0.8-1.0	09TR824/04/13SO0.2-0.4	10TR624/04/13SO0.8-1.0			
Depth	0.4-0.6	1.9-2.0	3.0-3.2	4.3-4.4	6.3-6.4	8.0-8.2		0.8-1.0	0.2-0.4	0.8-1.0			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J	V J	V J			
Sample Date	23/04/2013	23/04/2013	23/04/2013	24/04/2013	24/04/2013	25/04/2013	25/04/2013	24/04/2013	24/04/2013	24/04/2013			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	27/04/2013	27/04/2013	27/04/2013	27/04/2013	27/04/2013	27/04/2013	27/04/2013	27/04/2013	27/04/2013	27/04/2013			
Arsenic #	20.0	-	6.1	11.9	4.7	9.6	7.7	29.2	22.6	39.3	<0.5	mg/kg	TM30/PM15
Cadmium #	0.4	-	0.2	0.4	<0.1	<0.1	<0.1	<0.1	0.5	0.9	<0.1	mg/kg	TM30/PM15
Chromium #	19.9	-	12.9	32.2	11.0	36.3	38.7	20.9	37.4	43.8	<0.5	mg/kg	TM30/PM15
Copper #	92	-	16	23	14	25	25	232	127	471	<1	mg/kg	TM30/PM15
Lead #	226	-	57	38	10	9	10	100	817	647	<5	mg/kg	TM30/PM15
Mercury #	0.6	-	0.8	1.2	<0.1	<0.1	0.1	0.4	0.9	<0.1	<0.1	mg/kg	TM30/PM15
Nickel #	36.6	-	16.3	23.6	15.0	33.6	29.0	64.4	39.8	83.8	<0.7	mg/kg	TM30/PM15
Selenium #	<1	-	<1	1	<1	<1	<1	<1	<1	<1	<1	mg/kg	TM30/PM15
Water Soluble Boron #	3.1	-	0.4	1.5	0.8	0.4	1.3	1.0	0.8	5.2	<0.1	mg/kg	TM74/PM32
Zinc #	163	-	41	94	28	64	62	139	326	8748	<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene #	0.97	-	56.22	2.75	7.12	0.89	0.63	0.06	0.07	1.38	<0.04	mg/kg	TM4/PM8
Acenaphthylene	8.42	-	8.77	<0.03	7.11	0.04	0.08	0.04	0.18	1.68	<0.03	mg/kg	TM4/PM8
Acenaphthene #	1.54	-	3.93	<0.05	1.31	<0.05	<0.05	<0.05	<0.05	6.55	<0.05	mg/kg	TM4/PM8
Fluorene #	2.43	-	6.47	<0.04	5.37	<0.04	0.07	<0.04	<0.04	6.19	<0.04	mg/kg	TM4/PM8
Phenanthrene #	22.28	-	19.62	<0.03	12.91	0.06	0.14	0.15	0.38	64.12	<0.03	mg/kg	TM4/PM8
Anthracene #	11.81	-	8.36	<0.04	5.52	<0.04	<0.04	0.09	0.15	20.22	<0.04	mg/kg	TM4/PM8
Fluoranthene #	55.66	-	14.06	0.03	4.00	<0.03	0.05	0.28	1.15	95.34	<0.03	mg/kg	TM4/PM8
Pyrene #	49.20	-	13.70	0.03	5.81	0.04	0.06	0.22	1.04	71.45	<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	26.25	-	5.63	<0.06	2.36	<0.06	<0.06	0.19	0.78	41.36	<0.06	mg/kg	TM4/PM8
Chrysene #	24.84	-	5.24	<0.02	2.03	<0.02	0.04	0.20	0.80	36.39	<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	41.55	-	7.50	<0.07	1.54	<0.07	<0.07	0.25	1.35	54.54	<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	27.13	-	5.03	<0.04	1.51	<0.04	<0.04	0.12	0.79	33.15	<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #	18.88	-	3.30	<0.04	0.52	<0.04	<0.04	0.07	0.56	21.88	<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	2.89	-	0.62	<0.04	0.14	<0.04	<0.04	<0.04	0.12	5.91	<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	18.26	-	2.92	<0.04	0.51	<0.04	<0.04	0.07	0.52	18.94	<0.04	mg/kg	TM4/PM8
PAH 16 Total	312.1	-	161.4	2.8	57.8	1.0	1.1	1.7	7.9	479.1	<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	29.92	-	5.40	<0.05	1.11	<0.05	<0.05	0.18	0.97	39.27	<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	11.63	-	2.10	<0.02	0.43	<0.02	<0.02	0.07	0.38	15.27	<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	85	-	107	109	107	108	101	98	89	100	<0	%	TM4/PM8
Methyl Tertiary Butyl Ether #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	mg/kg	TM15/PM10
Benzene #	0.005	0.155	10.602	42.895	<0.003	0.071	0.058	0.305	0.052	0.052	<0.003	mg/kg	TM15/PM10
Toluene #	<0.003	0.016	3.886 ++	1.034 ++	<0.003	0.012	0.006	0.027	0.006	0.006	<0.003	mg/kg	TM15/PM10
Ethylbenzene #	<0.003	0.009	1.743 ++	4.670 ++	0.237	0.011	0.004	0.014	<0.003	<0.003	<0.003	mg/kg	TM15/PM10
p/m-Xylene #	<0.006	0.014	3.618 ++	3.215 ++	0.246	0.011	<0.006	0.016	<0.006	<0.006	<0.006	mg/kg	TM15/PM10
o-Xylene #	<0.003	0.005	2.668 ++	2.125 ++	0.282	0.006	<0.003	0.007	<0.003	<0.003	<0.003	mg/kg	TM15/PM10
Surrogate Recovery Toluene D8	84	85	88	75	109	111	112	71	99	86	<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	55	61	76	65	141	147	145	73	79	51	<0	%	TM15/PM10
EPH (C8-C40) #	2457	-	1033	237	593	119	<30	<30	223	958	<30	mg/kg	TM5/PM8

Please see attached notes for all abbreviations and acronyms

Client Name: Worley Parsons

Reference: 305008-00018 51603-00

Location: TOTTENHAM MARSH

Contact: Philip Harrison

JE Job No.: 13/4066

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

J E Sample No.	1-3	4-9	10-12	13-15	16-18	19-21	22-24	25-26	27-28	29-30	LOD	Units	Method No.
Sample ID	01BH12/123/04/13SO0.4-0.6	02BH122.023/04/13SO1.9-2.0	03BH12/323/04/13SO3.0-3.2	04BH12/424/04/13SO4.3-4.4	05BH12/524/04/13SO6.3-6.4	06BH12/625/04/13SO8.0-8.2	07DUPLICATE25/04/13SO	08TR724/04/13SO0.8-1.0	09TR824/04/13SO0.2-0.4	10TR624/04/13SO0.8-1.0			
Depth	0.4-0.6	1.9-2.0	3.0-3.2	4.3-4.4	6.3-6.4	8.0-8.2		0.8-1.0	0.2-0.4	0.8-1.0			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J	V J	V J			
Sample Date	23/04/2013	23/04/2013	23/04/2013	24/04/2013	24/04/2013	25/04/2013	25/04/2013	24/04/2013	24/04/2013	24/04/2013			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	27/04/2013	27/04/2013	27/04/2013	27/04/2013	27/04/2013	27/04/2013	27/04/2013	27/04/2013	27/04/2013	27/04/2013			
TPH CWG													
Aliphatics													
>C5-C6 #	-	<0.1	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM36/PM12
>C6-C8 #	-	0.2	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM36/PM12
>C8-C10	-	0.4	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM36/PM12
>C10-C12 #	-	2.4	-	-	-	-	-	-	-	-	<0.2	mg/kg	TM5/PM16
>C12-C16 #	-	51	-	-	-	-	-	-	-	-	<4	mg/kg	TM5/PM16
>C16-C21 #	-	127	-	-	-	-	-	-	-	-	<7	mg/kg	TM5/PM16
>C21-C35 #	-	313	-	-	-	-	-	-	-	-	<7	mg/kg	TM5/PM16
Total aliphatics C5-35	-	494	-	-	-	-	-	-	-	-	<19	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics C5-C12	-	3.0	-	-	-	-	-	-	-	-	<0.5	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics >C12-C35 #	-	491	-	-	-	-	-	-	-	-	<18	mg/kg	TM5/TM36/PM12/PM16
Aromatics													
>C5-EC7	-	0.1	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM36/PM12
>EC7-EC8	-	<0.1	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM36/PM12
>EC8-EC10 #	-	<0.1	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM36/PM12
>EC10-EC12 #	-	6.7	-	-	-	-	-	-	-	-	<0.2	mg/kg	TM5/PM16
>EC12-EC16 #	-	58	-	-	-	-	-	-	-	-	<4	mg/kg	TM5/PM16
>EC16-EC21 #	-	365	-	-	-	-	-	-	-	-	<7	mg/kg	TM5/PM16
>EC21-EC35 #	-	974	-	-	-	-	-	-	-	-	<7	mg/kg	TM5/PM16
Total aromatics C5-35	-	1404	-	-	-	-	-	-	-	-	<19	mg/kg	TM5/TM36/PM12/PM16
Total aromatics C5-C12	-	6.8	-	-	-	-	-	-	-	-	<0.5	mg/kg	TM5/TM36/PM12/PM16
Total aromatics >EC12-EC35 #	-	1397	-	-	-	-	-	-	-	-	<18	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics and aromatics(C5-35)	-	1898	-	-	-	-	-	-	-	-	<38	mg/kg	TM5/TM36/PM12/PM16
Resorcinol	<0.01	-	<0.01	<0.10	<0.10	<0.10	<0.01	<0.01	<0.01	<0.10	<0.01	mg/kg	TM26/PM21
Catechol	<0.01	-	<0.01	<0.10	<0.10	<0.10	<0.01	<0.01	<0.01	<0.10	<0.01	mg/kg	TM26/PM21
Phenol #	<0.01	-	<0.01	0.27	<0.10	2.00	<0.01	<0.01	<0.01	<0.10	<0.01	mg/kg	TM26/PM21
m/p-cresol #	<0.02	-	<0.02	<0.20	<0.20	0.69	<0.02	<0.02	<0.02	<0.20	<0.02	mg/kg	TM26/PM21
o-cresol #	<0.01	-	<0.01	<0.10	<0.10	2.80	<0.01	<0.01	<0.01	<0.10	<0.01	mg/kg	TM26/PM21
Total cresols #	<0.03	-	<0.03	<0.30	<0.30	3.49	<0.03	<0.03	<0.03	<0.30	<0.03	mg/kg	TM26/PM21
Xylenols #	<0.06	-	<0.06	<0.60	<0.60	14.50	<0.06	<0.06	<0.06	<0.60	<0.06	mg/kg	TM26/PM21
1-naphthol	<0.01	-	<0.01	<0.10	<0.10	<0.10	<0.01	<0.01	<0.01	<0.10	<0.01	mg/kg	TM26/PM21
2,3,5-trimethyl phenol #	<0.01	-	<0.01	<0.10	<0.10	0.20	<0.01	<0.01	<0.01	<0.10	<0.01	mg/kg	TM26/PM21
2-isopropylphenol #	<0.01	-	<0.01	<0.10	<0.10	1.54	<0.01	<0.01	<0.01	<0.10	<0.01	mg/kg	TM26/PM21
Total Speciated Phenols HPLC	<0.15	-	<0.15	<1.50	<1.50	21.73	<0.15	<0.15	<0.15	<1.50	<0.15	mg/kg	TM26/PM21
Natural Moisture Content	15.7	-	14.9	16.4	2.9	20.5	20.2	17.8	21.4	19.1	<0.1	%	PM4/PM0
Stone Content >= 10mm	<0.1	-	<0.1	<0.1	24.0	<0.1	<0.1	27.0	<0.1	<0.1	<0.1	%	PM4/PM0
Ammoniacal Nitrogen as NH4	<0.6	-	8.5	49.9 ++	<0.6	3.3	3.6	<0.6	4.1	1.1	<0.6	mg/kg	TM38/PM20
Chloride #	71	156	211	539	24	103	99	7	8	135	<2	mg/kg	TM38/PM20
Sulphate as SO4 (2:1 Ext) #	0.0957	0.2486	0.3188	0.2723	0.0200	0.0981	0.0661	1.2986	1.4324	0.1243	<0.0015	g/l	TM38/PM20

Please see attached notes for all abbreviations and acronyms

Jones Environmental Laboratory

Client Name:	Worley Parsons
Reference:	305008-00018 51603-00
Location:	TOTTENHAM MARSH
Contact:	Philip Harrison
JE Job No.:	13/4066

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

J E Sample No.	1-3	4-9	10-12	13-15	16-18	19-21	22-24	25-26	27-28	29-30	LOD	Units	Method No.
Sample ID	01BH12/123/04/13SO0.4-0.6	02BH122.023/04/13SO1.9-2.0	03BH12/323/04/13SO3.0-3.2	04BH12/424/04/13SO4.3-4.4	05BH12/524/04/13SO6.3-6.4	06BH12/625/04/13SO8.0-8.2	07DUPLICATE25/04/13SO	08TR724/04/13SO0.8-1.0	09TR824/04/13SO0.2-0.4	10TR624/04/13SO0.8-1.0			
Depth	0.4-0.6	1.9-2.0	3.0-3.2	4.3-4.4	6.3-6.4	8.0-8.2		0.8-1.0	0.2-0.4	0.8-1.0			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J	V J	V J			
Sample Date	23/04/2013	23/04/2013	23/04/2013	24/04/2013	24/04/2013	25/04/2013	25/04/2013	24/04/2013	24/04/2013	24/04/2013			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	27/04/2013	27/04/2013	27/04/2013	27/04/2013	27/04/2013	27/04/2013	27/04/2013	27/04/2013	27/04/2013	27/04/2013			
Free Cyanide	<0.5	-	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	mg/kg	TM89/PM45
Total Cyanide #	60.6	-	107.5	2.2	<0.5	<0.5	<0.5	<0.5	76.8	7.3	<0.5	mg/kg	TM89/PM45
Complex Cyanide	60.6	-	106.8	2.2	<0.5	<0.5	<0.5	<0.5	76.0	7.3	<0.5	mg/kg	TM89/PM45
Fraction Organic Carbon	0.059	0.071	0.015	0.167	<0.001	-	-	-	-	-	<0.001	None	TM21/PM24
Thiocyanate	0.8	-	9.8	1.6	1.5	1.8	1.9	<0.6	<0.6	4.0	<0.6	mg/kg	TM107/PM45
Elemental Sulphur	80	-	203	6	109	1	<1	12	5	317	<1	mg/kg	TM108/PM8
Loss on Ignition #	4.7	-	3.0	40.5	1.1	4.4	3.9	3.3	12.6	7.9	<1.0	%	TM22/PM0
pH #	8.32	8.22	8.31	7.48	7.90	7.78	8.16	7.33	7.55	7.54	<0.01	pH units	TM73/PM11
Sample Type	Loam	-	Clay	Clayey Loam	Sand	Other	Clay	Loam	Loam	Sandy Loam		None	PM13/PM0
Sample Colour	Dark Brown	-	Dark Grey	Black	Dark Grey	Medium Grey	Medium Grey	Black	Medium Brown	Dark Brown		None	PM13/PM0
Other Items	mostly stones	-	stones, oiley	NA	oiley stones	sandy clay	NA	stones	stones	stones		None	PM13/PM0

Please see attached notes for all abbreviations and acronyms

Client Name: Worley Parsons

Reference: 305008-00018 51603-00

Location: TOTTENHAM MARSH

Contact: Philip Harrison

JE Job No.: 13/4066

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

Please see attached notes for all abbreviations and acronyms

J E Sample No.	31-32												
Sample ID	11TR524/04/13SO0.8-1.0												
Depth	0.8-1.0												
COC No / misc													
Containers	V J												
Sample Date	24/04/2013												
Sample Type	Soil												
Batch Number	1												
Date of Receipt	27/04/2013												
												LOD	**Units**	**Method No.**
Arsenic #	31.0											<0.5	mg/kg	TM30/PM15
Cadmium #	0.5											<0.1	mg/kg	TM30/PM15
Chromium #	45.3											<0.5	mg/kg	TM30/PM15
Copper #	391											<1	mg/kg	TM30/PM15
Lead #	1523											<5	mg/kg	TM30/PM15
Mercury #	0.5											<0.1	mg/kg	TM30/PM15
Nickel #	49.3											<0.7	mg/kg	TM30/PM15
Selenium #	<1											<1	mg/kg	TM30/PM15
Water Soluble Boron #	2.6											<0.1	mg/kg	TM74/PM32
Zinc #	2051											<5	mg/kg	TM30/PM15
PAH MS														
Naphthalene #	0.26											<0.04	mg/kg	TM4/PM8
Acenaphthylene	0.87											<0.03	mg/kg	TM4/PM8
Acenaphthene #	0.21											<0.05	mg/kg	TM4/PM8
Fluorene #	0.68											<0.04	mg/kg	TM4/PM8
Phenanthrene #	3.28											<0.03	mg/kg	TM4/PM8
Anthracene #	1.55											<0.04	mg/kg	TM4/PM8
Fluoranthene #	5.34											<0.03	mg/kg	TM4/PM8
Pyrene #	6.16											<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	2.63											<0.06	mg/kg	TM4/PM8
Chrysene #	2.67											<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	3.22											<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	2.13											<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #	1.19											<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	0.26											<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	1.07											<0.04	mg/kg	TM4/PM8
PAH 16 Total	31.5											<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	2.32											<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	0.90											<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	109											<0	%	TM4/PM8
Methyl Tertiary Butyl Ether #	<0.002											<0.002	mg/kg	TM15/PM10
Benzene #	0.114											<0.003	mg/kg	TM15/PM10
Toluene #	0.016											<0.003	mg/kg	TM15/PM10
Ethylbenzene #	0.007											<0.003	mg/kg	TM15/PM10
p/m-Xylene #	0.008											<0.006	mg/kg	TM15/PM10
o-Xylene #	0.004											<0.003	mg/kg	TM15/PM10
Surrogate Recovery Toluene D8	98											<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	81											<0	%	TM15/PM10
EPH (C8-C40) #	172											<30	mg/kg	TM5/PM8

Client Name:	Worley Parsons
Reference:	305008-00018 51603-00
Location:	TOTTENHAM MARSH
Contact:	Philip Harrison
JE Job No.:	13/4066

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

J E Sample No.	31-32										Please see attached notes for all abbreviations and acronyms		
Sample ID	11TR524/04/13SO0.8-1.0												
Depth	0.8-1.0												
COC No / misc													
Containers	V J												
Sample Date	24/04/2013												
Sample Type	Soil												
Batch Number	1										**LOD**	**Units**	**Method No.**
Date of Receipt	27/04/2013												
TPH CWG													
Aliphatics													
>C5-C6 #	-										<0.1	mg/kg	TM36/PM12
>C6-C8 #	-										<0.1	mg/kg	TM36/PM12
>C8-C10	-										<0.1	mg/kg	TM36/PM12
>C10-C12 #	-										<0.2	mg/kg	TM5/PM16
>C12-C16 #	-										<4	mg/kg	TM5/PM16
>C16-C21 #	-										<7	mg/kg	TM5/PM16
>C21-C35 #	-										<7	mg/kg	TM5/PM16
Total aliphatics C5-35	-										<19	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics C5-C12	-										<0.5	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics >C12-C35 #	-										<18	mg/kg	TM5/TM36/PM12/PM16
Aromatics													
>C5-EC7	-										<0.1	mg/kg	TM36/PM12
>EC7-EC8	-										<0.1	mg/kg	TM36/PM12
>EC8-EC10 #	-										<0.1	mg/kg	TM36/PM12
>EC10-EC12 #	-										<0.2	mg/kg	TM5/PM16
>EC12-EC16 #	-										<4	mg/kg	TM5/PM16
>EC16-EC21 #	-										<7	mg/kg	TM5/PM16
>EC21-EC35 #	-										<7	mg/kg	TM5/PM16
Total aromatics C5-35	-										<19	mg/kg	TM5/TM36/PM12/PM16
Total aromatics C5-C12	-										<0.5	mg/kg	TM5/TM36/PM12/PM16
Total aromatics >EC12-EC35 #	-										<18	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics and aromatics(C5-35)	-										<38	mg/kg	TM5/TM36/PM12/PM16
Resorcinol	<0.50										<0.01	mg/kg	TM26/PM21
Catechol	<0.50										<0.01	mg/kg	TM26/PM21
Phenol #	<0.50										<0.01	mg/kg	TM26/PM21
m/p-cresol #	<1.00										<0.02	mg/kg	TM26/PM21
o-cresol #	<0.50										<0.01	mg/kg	TM26/PM21
Total cresols #	<1.50										<0.03	mg/kg	TM26/PM21
Xylenols #	<3.00										<0.06	mg/kg	TM26/PM21
1-naphthol	<0.50										<0.01	mg/kg	TM26/PM21
2,3,5-trimethyl phenol #	<0.50										<0.01	mg/kg	TM26/PM21
2-isopropylphenol #	<0.50										<0.01	mg/kg	TM26/PM21
Total Speciated Phenols HPLC	<7.50										<0.15	mg/kg	TM26/PM21
Natural Moisture Content	17.6										<0.1	%	PM4/PM0
Stone Content >= 10mm	<0.1										<0.1	%	PM4/PM0
Ammoniacal Nitrogen as NH4	3.1										<0.6	mg/kg	TM38/PM20
Chloride #	131										<2	mg/kg	TM38/PM20
Sulphate as SO4 (2:1 Ext) #	0.2479										<0.0015	g/l	TM38/PM20

Jones Environmental Laboratory

Client Name:	Worley Parsons
Reference:	305008-00018 51603-00
Location:	TOTTENHAM MARSH
Contact:	Philip Harrison
JE Job No.:	13/4066

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

Please see attached notes for all abbreviations and acronyms

J E Sample No.	31-32										LOD	Units	Method No.
Sample ID	11TR524/04/13SO0.8-1.0												
Depth	0.8-1.0												
COC No / misc													
Containers	V J												
Sample Date	24/04/2013												
Sample Type	Soil												
Batch Number	1												
Date of Receipt	27/04/2013												
Free Cyanide	<0.5										<0.5	mg/kg	TM89/PM45
Total Cyanide #	2.2										<0.5	mg/kg	TM89/PM45
Complex Cyanide	2.2										<0.5	mg/kg	TM89/PM45
Fraction Organic Carbon	-										<0.001	None	TM21/PM24
Thiocyanate	1.3										<0.6	mg/kg	TM107/PM45
Elemental Sulphur	228										<1	mg/kg	TM108/PM8
Loss on Ignition #	4.1										<1.0	%	TM22/PM0
pH #	8.08										<0.01	pH units	TM73/PM11
Sample Type	Loam											None	PM13/PM0
Sample Colour	Dark Brown											None	PM13/PM0
Other Items	stones, glass, clay											None	PM13/PM0

Client Name: Worley Parsons

Reference: 305008-00018 51603-00

Location: TOTTENHAM MARSH

Contact: Philip Harrison

JE Job No.: 13/4066

Report : NRA Leachate

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

Please see attached notes for all abbreviations and acronyms

J E Sample No.	1-3	4-9	10-12	13-15							LOD	Units	Method No.
Sample ID	01BH12/123/04/13SO0.4-0.6	02BH12/2.023/04/13SO1.9-2.0	03BH12/323/04/13SO3.0-3.2	04BH12/424/04/13SO4.3-4.4									
Depth	0.4-0.6	1.9-2.0	3.0-3.2	4.3-4.4									
COC No / misc													
Containers	V J T	V J T	V J T	V J T									
Sample Date	23/04/2013	23/04/2013	23/04/2013	24/04/2013									
Sample Type	Soil	Soil	Soil	Soil									
Batch Number	1	1	1	1									
Date of Receipt	27/04/2013	27/04/2013	27/04/2013	27/04/2013									
Dissolved Arsenic	0.0172	-	0.0020	0.0054							<0.0009	mg/l	TM30/PM14
Dissolved Cadmium	<0.00003	-	<0.00003	<0.00003							<0.00003	mg/l	TM30/PM14
Dissolved Chromium	0.0013	-	0.0011	0.0024							<0.0002	mg/l	TM30/PM14
Dissolved Copper	0.005	-	<0.003	<0.003							<0.003	mg/l	TM30/PM14
Dissolved Iron	0.1327	-	1.1610	0.3688							<0.0047	mg/l	TM30/PM14
Dissolved Lead	0.0040	-	<0.0004	<0.0004							<0.0004	mg/l	TM30/PM14
Dissolved Nickel	0.0079	-	0.0036	0.0013							<0.0002	mg/l	TM30/PM14
Dissolved Selenium	0.0013	-	<0.0012	<0.0012							<0.0012	mg/l	TM30/PM14
Dissolved Zinc	0.0029	-	<0.0015	0.0021							<0.0015	mg/l	TM30/PM14
Mercury Dissolved by CVAF	0.00102	-	0.00002	0.00002							<0.00001	mg/l	TM61/PM38
Total Dissolved Sulphur	6.94	-	21.35	3.97							<0.01	mg/l	TM30/PM14
PAH MS													
Naphthalene	0.000200	-	0.369840	0.004100							<0.000014	mg/l	TM4/PM30
Acenaphthylene	0.000170	-	0.003930	<0.000013							<0.000013	mg/l	TM4/PM30
Acenaphthene	0.000200	-	0.001000	0.000040							<0.000013	mg/l	TM4/PM30
Fluorene	0.000070	-	0.001360	<0.000014							<0.000014	mg/l	TM4/PM30
Phenanthrene	0.000320	-	0.001190	<0.000011							<0.000011	mg/l	TM4/PM30
Anthracene	0.000290	-	0.000320	<0.000013							<0.000013	mg/l	TM4/PM30
Fluoranthene	0.002610	-	0.000190	<0.000012							<0.000012	mg/l	TM4/PM30
Pyrene	0.002430	-	0.000170	<0.000013							<0.000013	mg/l	TM4/PM30
Benzo(a)anthracene	0.001470	-	0.000060	<0.000015							<0.000015	mg/l	TM4/PM30
Chrysene	0.001310	-	0.000050	<0.000011							<0.000011	mg/l	TM4/PM30
Benzo(bk)fluoranthene	0.003050	-	0.000070	<0.000018							<0.000018	mg/l	TM4/PM30
Benzo(a)pyrene	0.002170	-	0.000050	<0.000016							<0.000016	mg/l	TM4/PM30
Indeno(123cd)pyrene	0.001420	-	0.000040	<0.000011							<0.000011	mg/l	TM4/PM30
Dibenzo(ah)anthracene	0.00012	-	0.00001	<0.00001							<0.00001	mg/l	TM4/PM30
Benzo(ghi)perylene	0.000780	-	0.000020	<0.000011							<0.000011	mg/l	TM4/PM30
PAH 16 Total	0.016610	-	0.378300	0.004140							<0.000195	mg/l	TM4/PM30
Benzo(b)fluoranthene	0.00220	-	0.00005	<0.00001							<0.00001	mg/l	TM4/PM30
Benzo(k)fluoranthene	0.00085	-	0.00002	<0.00001							<0.00001	mg/l	TM4/PM30
PAH Surrogate % Recovery	71	-	73	62							<0	%	TM4/PM30
Methyl Tertiary Butyl Ether	<0.001	-	<0.001	<0.001							<0.001	mg/l	TM15/PM10
Benzene	<0.001	-	6.095++	4.955++							<0.001	mg/l	TM15/PM10
Toluene	<0.002	-	1.658++	0.038							<0.002	mg/l	TM15/PM10
Ethylbenzene	<0.002	-	0.195	0.074							<0.002	mg/l	TM15/PM10
p/m-Xylene	<0.003	-	1.064	0.021							<0.003	mg/l	TM15/PM10
o-Xylene	<0.002	-	0.525	0.038							<0.002	mg/l	TM15/PM10
Surrogate Recovery Toluene D8	140	-	128	128							<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	128	-	127	123							<0	%	TM15/PM10
EPH (C8-C40)	<0.01	-	2.02	0.69							<0.01	mg/l	TM5/PM30

Jones Environmental Laboratory

Client Name:	Worley Parsons
Reference:	305008-00018 51603-00
Location:	TOTTENHAM MARSH
Contact:	Philip Harrison
JE Job No.:	13/4066

Report : NRA Leachate

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

Please see attached notes for all abbreviations and acronyms

J E Sample No.	1-3	4-9	10-12	13-15							LOD	Units	Method No.
Sample ID	01BH12/123/04/13SO0.4-0.6	02BH12/2.023/04/13SO1.9-2.0	03BH12/323/04/13SO3.0-3.2	04BH12/424/04/13SO4.3-4.4									
Depth	0.4-0.6	1.9-2.0	3.0-3.2	4.3-4.4									
COC No / misc													
Containers	V J T	V J T	V J T	V J T									
Sample Date	23/04/2013	23/04/2013	23/04/2013	24/04/2013									
Sample Type	Soil	Soil	Soil	Soil									
Batch Number	1	1	1	1									
Date of Receipt	27/04/2013	27/04/2013	27/04/2013	27/04/2013									
Resorcinol	<0.0005	-	<0.0050	<0.0005							<0.0005	mg/l	TM26/PM0
Catechol	<0.0005	-	<0.0050	<0.0005							<0.0005	mg/l	TM26/PM0
Phenol	<0.0005	-	0.3964	0.0532							<0.0005	mg/l	TM26/PM0
m/p-cresol	<0.0005	-	<0.0050	<0.0005							<0.0005	mg/l	TM26/PM0
o-cresol	<0.0005	-	<0.0050	<0.0005							<0.0005	mg/l	TM26/PM0
Total cresols	<0.0005	-	<0.0050	<0.0005							<0.0005	mg/l	TM26/PM0
Xylenols	<0.0005	-	<0.0050	<0.0005							<0.0005	mg/l	TM26/PM0
1-naphthol	<0.0005	-	<0.0050	<0.0005							<0.0005	mg/l	TM26/PM0
2,3,5-trimethyl phenol	<0.0005	-	<0.0050	<0.0005							<0.0005	mg/l	TM26/PM0
2-isopropylphenol	<0.0005	-	<0.0050	<0.0005							<0.0005	mg/l	TM26/PM0
Total Speciated Phenols HPLC	<0.005	-	0.396	0.053							<0.005	mg/l	TM26/PM0
Chloride	4.7	-	4.6	12.7							<0.3	mg/l	TM27/PM0
Sulphate	16.36	16.26	42.25	2.80							<0.05	mg/l	TM27/PM0
Free Cyanide	<0.005	-	<0.005	<0.005							<0.005	mg/l	TM89/PM0
Total Cyanide	0.150	-	4.530	<0.005							<0.005	mg/l	TM89/PM0
Complex Cyanide	0.15	-	4.53	<0.01							<0.01	mg/l	TM89/PM0
Ammoniacal Nitrogen as NH4	0.15	-	1.72	12.05^{++}							<0.03	mg/l	TM38/PM0
Sulphide	<0.3	-	<0.3	<0.3							<0.3	mg/l	TM106/PM0
Thiocyanate	<0.02	-	0.04	<0.02							<0.02	mg/l	TM107/PM0
Dissolved Organic Carbon	8	-	11	30							<2	mg/l	TM60/PM0
Electrical Conductivity @25C	145	-	201	246							<2	uS/cm	TM76/PM0
pH	8.43	-	8.88	8.01							<0.01	pH units	TM73/PM0

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 13/4066

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It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

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Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

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DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

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ABBREVIATIONS and ACRONYMS USED

#	UKAS accredited.
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance.
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
++	Result outside calibration range, results should be considered as indicative only and are not accredited.
*	Analysis subcontracted to a Jones Environmental approved laboratory.
CO	Suspected carry over
OC	Outside Calibration Range
NFD	No Fibres Detected

JE Job No 13/4066

Test Method No.	Description	Prep Method No. (if appropriate)	Description	UKAS	MCERTS (soils only)	Analysis done on As Received (AR) or Air Dried (AD)	Solid Results expressed on Dry/Wet basis
PM4	Moisture Content	PM0	No Preparation				
PM4	Moisture Content	PM0	No Preparation				WET
TM4	16 PAH by GC-MS, modified USEPA 8270	PM30	Magnetic stirrer extraction			AR	
TM4	16 PAH by GC-MS, modified USEPA 8270	PM30	Magnetic stirrer extraction			AR	WET
TM4	16 PAH by GC-MS, modified USEPA 8270	PM8	End Over End extraction			AR	DRY
TM4	16 PAH by GC-MS, modified USEPA 8270	PM8	End Over End extraction	Yes		AR	DRY
TM4	16 PAH by GC-MS, modified USEPA 8270	PM8	End Over End extraction			AR	
TM5	EPH by GC-FID, modified USEPA 8015	PM16	Aliphatic/Aromatic fractionation	Yes		AR	DRY
TM5	EPH by GC-FID, modified USEPA 8015	PM30	Magnetic stirrer extraction			AR	WET
TM5	EPH by GC-FID, modified USEPA 8015	PM8	End Over End extraction	Yes		AR	DRY
TM5/TM36	TPH CWG by GC-FID	PM12/PM16	CWG GC-FID			AR	DRY
TM5/TM36	TPH CWG by GC-FID	PM12/PM16	CWG GC-FID	Yes		AR	DRY
PM13	Soil Typing for MCERTS	PM0	No Preparation			AR	
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS			AR	DRY
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS	Yes		AR	DRY
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS			AR	
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS			AR	WET
TM21	TOC and TC by Combustion	PM24	Eltra preparation			AD	DRY
TM22	Loss on Ignition (LOI) - gravimetric	PM0	No Preparation	Yes		AD	DRY
TM26	Phenols by HPLC	PM0	No Preparation			AR	WET
TM26	Phenols by HPLC	PM21	Methanol : NaOH extraction			AR	DRY
TM26	Phenols by HPLC	PM21	Methanol : NaOH extraction	Yes		AR	DRY
TM27	SO4,Cl,NO3,NO2,F,PO4 by Dionex	PM0	No Preparation			AR	WET
TM30	Metals by ICP-OES	PM14	Metals by ICP (Waters)			AR	WET
TM30	Metals by ICP-OES	PM15	Aqua Regia extraction (Soils)	Yes		AD	DRY
TM36	GRO by Headspace GC-FID	PM12	GRO GC-FID			AR	DRY
TM36	GRO by Headspace GC-FID	PM12	GRO GC-FID	Yes		AR	DRY
TM38	SO4,Cl,NO3,NO2,F,PO4, Amm N2,ThioCN, Hex Cr by Aquakem	PM0	No Preparation			AR	WET
TM38	SO4,Cl,NO3,NO2,F,PO4, Amm N2,ThioCN, Hex Cr by Aquakem	PM20	1:2 soil to water extraction	Yes		AD	DRY
TM38	SO4,Cl,NO3,NO2,F,PO4, Amm N2,ThioCN, Hex Cr by Aquakem	PM20	1:2 soil to water extraction			AR	DRY
TM60	TOC/DOC by NDIR	PM0	No Preparation			AR	WET
TM61	Mercury - low level CVAF	PM38	Mercury CVAF			AR	WET
TM73	pH in by Metrohm	PM0	No Preparation			AR	WET
TM73	pH in by Metrohm	PM11	1:2.5 soil/water extraction	Yes		AR	WET
TM74	Water Soluble Boron by ICP-OES	PM32	Preparation of soils for WSB	Yes		AD	DRY
TM76	Electrical Conductivity by Metrohm	PM0	No Preparation			AR	WET
TM89	Cyanide by FIA	PM0	No Preparation			AR	WET
TM89	Cyanide by FIA	PM45	Cyanide & Thiocyanate prep for soils			AR	DRY
TM89	Cyanide by FIA	PM45	Cyanide & Thiocyanate prep for soils	Yes		AR	DRY
TM106	Sulphide by CFA	PM0	No Preparation			AR	WET
TM107	Thiocyanate by CFA	PM0	No Preparation			AR	WET
TM107	Thiocyanate by CFA	PM45	Cyanide & Thiocyanate prep for soils			AR	DRY
TM108	Elemental Sulphur by HPLC	PM8	End Over End extraction			AR	DRY

Jones Environmental Laboratory

Unit 3 Deeside Point
Zone 3
Deeside Industrial Park
Deeside
CH5 2UA

Tel: +44 (0) 1244 833780
Fax: +44 (0) 1244 833781

Worley Parsons
27 Great West Rd
Brentford
TW8 9BW

No.4225

Attention :	Philip Harrison
Date :	10th May, 2013
Your reference :	
Our reference :	Test Report 13/4142 Batch 1
Location :	TOTTENHAM MARSHES
Date samples received :	1st May, 2013
Status :	Final report
Issue :	1

Eleven samples were received for analysis on 1st May, 2013. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Jamie Williams B.Sc
Project Co-ordinator

Bob Millward B.Sc
Principal Chemist

Client Name: Worley Parsons

Reference:

Location: TOTTENHAM MARSHES

Contact: Philip Harrison

JE Job No.: 13/4142

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

Please see attached notes for all abbreviations and acronyms

J E Sample No.	13-16	17-22	23-25	26-28							LOD	Units	Method No.
Sample ID	07BH7/2.025 0413SO1.9-2.0	08BH5/2.029 0413SO1.9-2.0	09BH1/2.029 0413SO2.0-2.1	10BH5/1290 413SO4.6-4.8									
Depth	1.9-2.0	1.9-2.0	2.0-2.1	4.6-4.8									
COC No / misc													
Containers	V J	V J T	V J T	V J T									
Sample Date	25/04/2013	29/04/2013	29/04/2013	29/04/2013									
Sample Type	Soil	Soil	Soil	Soil									
Batch Number	1	1	1	1									
Date of Receipt	01/05/2013	01/05/2013	01/05/2013	01/05/2013									
Arsenic #	-	-	-	3.9							<0.5	mg/kg	TM30/PM15
Cadmium #	-	-	-	<0.1							<0.1	mg/kg	TM30/PM15
Chromium #	-	-	-	8.1							<0.5	mg/kg	TM30/PM15
Copper #	-	-	-	5							<1	mg/kg	TM30/PM15
Lead #	-	-	-	8							<5	mg/kg	TM30/PM15
Mercury #	-	-	-	<0.1							<0.1	mg/kg	TM30/PM15
Nickel #	-	-	-	12.3							<0.7	mg/kg	TM30/PM15
Selenium #	-	-	-	<1							<1	mg/kg	TM30/PM15
Total Sulphate #	9196	2417	383	-							<50	mg/kg	TM50/PM15
Water Soluble Boron #	-	-	-	1.9							<0.1	mg/kg	TM74/PM32
Zinc #	-	-	-	15							<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene #	-	-	-	<0.04							<0.04	mg/kg	TM4/PM8
Acenaphthylene	-	-	-	<0.03							<0.03	mg/kg	TM4/PM8
Acenaphthene #	-	-	-	<0.05							<0.05	mg/kg	TM4/PM8
Fluorene #	-	-	-	<0.04							<0.04	mg/kg	TM4/PM8
Phenanthrene #	-	-	-	<0.03							<0.03	mg/kg	TM4/PM8
Anthracene #	-	-	-	<0.04							<0.04	mg/kg	TM4/PM8
Fluoranthene #	-	-	-	<0.03							<0.03	mg/kg	TM4/PM8
Pyrene #	-	-	-	<0.03							<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	-	-	-	<0.06							<0.06	mg/kg	TM4/PM8
Chrysene #	-	-	-	<0.02							<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	-	-	-	<0.07							<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	-	-	-	<0.04							<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #	-	-	-	<0.04							<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	-	-	-	<0.04							<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	-	-	-	<0.04							<0.04	mg/kg	TM4/PM8
PAH 16 Total	-	-	-	<0.6							<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	-	-	-	<0.05							<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	-	-	-	<0.02							<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	-	-	-	102							<0	%	TM4/PM8
Methyl Tertiary Butyl Ether #	-	-	-	<0.002							<0.002	mg/kg	TM15/PM10
Benzene #	-	-	-	<0.003							<0.003	mg/kg	TM15/PM10
Toluene #	-	-	-	0.036							<0.003	mg/kg	TM15/PM10
Ethylbenzene #	-	-	-	<0.003							<0.003	mg/kg	TM15/PM10
p/m-Xylene #	-	-	-	<0.006							<0.006	mg/kg	TM15/PM10
o-Xylene #	-	-	-	<0.003							<0.003	mg/kg	TM15/PM10
Surrogate Recovery Toluene D8	-	-	-	109							<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	-	-	-	195							<0	%	TM15/PM10
EPH (C8-C40) #	-	-	-	<30							<30	mg/kg	TM5/PM8

Jones Environmental Laboratory

Client Name: Worley Parsons

Reference:

Location: TOTTENHAM MARSHES

Contact: Philip Harrison

JE Job No.: 13/4142

Report : Solid

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COC No / misc													
Containers	V J	V J T	V J T	V J T									
Sample Date	25/04/2013	29/04/2013	29/04/2013	29/04/2013									
Sample Type	Soil	Soil	Soil	Soil									
Batch Number	1	1	1	1									
Date of Receipt	01/05/2013	01/05/2013	01/05/2013	01/05/2013									
Resorcinol	-	-	-	<0.01							<0.01	mg/kg	TM26/PM21
Catechol	-	-	-	<0.01							<0.01	mg/kg	TM26/PM21
Phenol #	-	-	-	<0.01							<0.01	mg/kg	TM26/PM21
m/p-cresol #	-	-	-	<0.02							<0.02	mg/kg	TM26/PM21
o-cresol #	-	-	-	<0.01							<0.01	mg/kg	TM26/PM21
Total cresols #	-	-	-	<0.03							<0.03	mg/kg	TM26/PM21
Xylenols #	-	-	-	<0.06							<0.06	mg/kg	TM26/PM21
1-naphthol	-	-	-	<0.01							<0.01	mg/kg	TM26/PM21
2,3,5-trimethyl phenol #	-	-	-	<0.01							<0.01	mg/kg	TM26/PM21
2-isopropylphenol #	-	-	-	<0.01							<0.01	mg/kg	TM26/PM21
Total Speciated Phenols HPLC	-	-	-	<0.15							<0.15	mg/kg	TM26/PM21
Natural Moisture Content	-	-	-	4.7							<0.1	%	PM4/PM0
Stone Content >= 10mm	-	-	-	55.4							<0.1	%	PM4/PM0
Ammoniacal Nitrogen as NH4	-	-	-	0.7							<0.6	mg/kg	TM38/PM20
Chloride #	102	29	16	14							<2	mg/kg	TM38/PM20
Sulphate as SO4 (2:1 Ext) #	1.8410	0.4568	1.4426	0.0211							<0.0015	g/l	TM38/PM20
Free Cyanide	-	-	-	<0.5							<0.5	mg/kg	TM89/PM45
Total Cyanide #	-	-	-	<0.5							<0.5	mg/kg	TM89/PM45
Complex Cyanide	-	-	-	<0.5							<0.5	mg/kg	TM89/PM45
Fraction Organic Carbon	-	-	-	<0.001							<0.001	None	TM21/PM24
Thiocyanate	-	-	-	<0.6							<0.6	mg/kg	TM107/PM45
Elemental Sulphur	-	-	-	3							<1	mg/kg	TM108/PM8
Loss on Ignition #	-	-	-	<1.0							<1.0	%	TM22/PM0
pH #	7.58	7.79	7.58	8.78							<0.01	pH units	TM73/PM11
Sample Type	Clay	Clay	Sand	Sand								None	PM13/PM0
Sample Colour	Medium Brown	Medium Brown	Dark Brown	Medium Grey								None	PM13/PM0
Other Items	stones	none	stones	stones								None	PM13/PM0

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NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance.
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
++	Result outside calibration range, results should be considered as indicative only and are not accredited.
*	Analysis subcontracted to a Jones Environmental approved laboratory.
CO	Suspected carry over
OC	Outside Calibration Range
NFD	No Fibres Detected

JE Job No 13/4142

Test Method No.	Description	Prep Method No. (if appropriate)	Description	UKAS	MCERTS (soils only)	Analysis done on As Received (AR) or Air Dried (AD)	Solid Results expressed on Dry/Wet basis
PM4	Moisture Content	PM0	No Preparation				
PM4	Moisture Content	PM0	No Preparation				WET
TM4	16 PAH by GC-MS, modified USEPA 8270	PM8	End Over End extraction			AR	DRY
TM4	16 PAH by GC-MS, modified USEPA 8270	PM8	End Over End extraction	Yes		AR	DRY
TM4	16 PAH by GC-MS, modified USEPA 8270	PM8	End Over End extraction			AR	
TM5	EPH by GC-FID, modified USEPA 8015	PM8	End Over End extraction	Yes		AR	DRY
PM13	Soil Typing for MCERTS	PM0	No Preparation			AR	
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS			AR	DRY
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS	Yes		AR	DRY
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS			AR	
TM21	TOC and TC by Combustion	PM24	Eltra preparation			AD	DRY
TM22	Loss on Ignition (LOI) - gravimetric	PM0	No Preparation	Yes		AD	DRY
TM26	Phenols by HPLC	PM21	Methanol : NaOH extraction			AR	DRY
TM26	Phenols by HPLC	PM21	Methanol : NaOH extraction	Yes		AR	DRY
TM30	Metals by ICP-OES	PM15	Aqua Regia extraction (Soils)	Yes		AD	DRY
TM38	SO4,Cl,NO3,NO2,F,PO4, Amm N2,ThioCN, Hex Cr by Aquakem	PM20	1:2 soil to water extraction	Yes		AD	DRY
TM38	SO4,Cl,NO3,NO2,F,PO4, Amm N2,ThioCN, Hex Cr by Aquakem	PM20	1:2 soil to water extraction			AR	DRY
TM50	Total Sulphate by ICP-OES	PM15	Aqua Regia extraction (Soils)	Yes		AD	DRY
TM73	pH in by Metrohm	PM11	1:2.5 soil/water extraction	Yes		AR	WET
TM74	Water Soluble Boron by ICP-OES	PM32	Preparation of soils for WSB	Yes		AD	DRY
TM89	Cyanide by FIA	PM45	Cyanide & Thiocyanate prep for soils			AR	DRY
TM89	Cyanide by FIA	PM45	Cyanide & Thiocyanate prep for soils	Yes		AR	DRY
TM107	Thiocyanate by CFA	PM45	Cyanide & Thiocyanate prep for soils			AR	DRY
TM108	Elemental Sulphur by HPLC	PM8	End Over End extraction			AR	DRY

Jones Environmental Laboratory

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Worley Parsons
27 Great West Rd
Brentford
TW8 9BW

No.4225

Attention :	Philip Harrison
Date :	17th May, 2013
Your reference :	305008-00018 51603-00
Our reference :	Test Report 13/4280 Batch 1
Location :	TOTTENHAM MARSH
Date samples received :	4th May, 2013
Status :	Final report
Issue :	1

Ten samples were received for analysis on 4th May, 2013. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Paul Lee-Boden B.Sc
Project Manager

Bob Millward B.Sc
Principal Chemist

Jones Environmental Laboratory

Client Name: Worley Parsons

Reference: 305008-00018 51603-00

Location: TOTTENHAM MARSH

Contact: Philip Harrison

JE Job No.: 13/4280

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

J E Sample No.	1-6	7-9	10-12	13-15	16-18	25-27	28-30	31-33			LOD	Units	Method No.
Sample ID	01BH6/2.0010513SO1.9-2.0	02BH6/1010513SO3.8-4.0	03BH6/3010513SO7.4-7.8	04DUPLICATE01051 3SO3.8-4.0	05BH1/3300413SO4.2-4.3	06BH3A/2.0010513SO1.9-2.0	09BH3A/3010513SO3.8-3.9	10BH3A/4020513SO6.4-6.5					
Depth	1.9-2.0	3.8-4.0	7.4-7.8	3.8-4.0	4.2-4.3	1.9-2.0	3.8-3.9	6.4-6.5					
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T					
Sample Date	01/05/2013	01/05/2013	01/05/2013	01/05/2013	30/04/2013	01/05/2013	01/05/2013	02/05/2013					
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil					
Batch Number	1	1	1	1	1	1	1	1					
Date of Receipt	04/05/2013	04/05/2013	04/05/2013	04/05/2013	04/05/2013	04/05/2013	04/05/2013	04/05/2013					
Arsenic #	21.9	7.5	14.3	9.6	16.7	-	16.3	10.0			<0.5	mg/kg	TM30/PM15
Cadmium #	0.3	0.2	0.2	0.2	0.4	-	1.5	0.5			<0.1	mg/kg	TM30/PM15
Chromium #	6.2	43.6	22.0	17.4	38.6	-	57.9	41.5			<0.5	mg/kg	TM30/PM15
Copper #	36	32	<1	50	15	-	45	16			<1	mg/kg	TM30/PM15
Lead #	22	20	15	50	124	-	6	11			<5	mg/kg	TM30/PM15
Mercury #	<0.1	<0.1	<0.1	<0.1	0.4	-	0.1	<0.1			<0.1	mg/kg	TM30/PM15
Nickel #	13.7	21.3	34.7	23.4	33.5	-	41.9	37.2			<0.7	mg/kg	TM30/PM15
Selenium #	1	<1	<1	<1	<1	-	16	2			<1	mg/kg	TM30/PM15
Total Sulphate #	4579	-	-	-	-	1592	-	-			<50	mg/kg	TM50/PM15
Water Soluble Boron #	3.8	3.3	0.6	3.8	4.7	-	91.7	8.5			<0.1	mg/kg	TM74/PM32
Zinc #	107	79	36	144	124	-	169	95			<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene #	2.15	<0.04	<0.04	<0.04	2.00	-	<0.04	0.15			<0.04	mg/kg	TM4/PM8
Acenaphthylene	6.11	0.05	<0.03	<0.03	0.24	-	<0.03	<0.03			<0.03	mg/kg	TM4/PM8
Acenaphthene #	1.87	<0.05	<0.05	<0.05	0.16	-	<0.05	<0.05			<0.05	mg/kg	TM4/PM8
Fluorene #	3.11	0.06	<0.04	<0.04	0.29	-	<0.04	<0.04			<0.04	mg/kg	TM4/PM8
Phenanthrene #	16.50	0.53	<0.03	0.20	0.88	-	<0.03	<0.03			<0.03	mg/kg	TM4/PM8
Anthracene #	7.84	0.20	<0.04	0.05	0.32	-	<0.04	<0.04			<0.04	mg/kg	TM4/PM8
Fluoranthene #	15.00	0.94	0.05	0.39	0.84	-	<0.03	<0.03			<0.03	mg/kg	TM4/PM8
Pyrene #	27.38	0.77	0.03	0.30	0.94	-	<0.03	<0.03			<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	9.33	0.41	<0.06	0.24	0.51	-	<0.06	<0.06			<0.06	mg/kg	TM4/PM8
Chrysene #	9.80	0.43	<0.02	0.19	0.73	-	<0.02	<0.02			<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	6.78	0.56	<0.07	0.26	0.87	-	<0.07	<0.07			<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	5.61	0.33	<0.04	0.15	0.57	-	<0.04	<0.04			<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #	1.42	0.21	<0.04	0.10	0.37	-	<0.04	<0.04			<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	0.46	<0.04	<0.04	<0.04	0.08	-	<0.04	<0.04			<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	1.65	0.20	<0.04	0.10	0.35	-	<0.04	<0.04			<0.04	mg/kg	TM4/PM8
PAH 16 Total	115.0	4.7	<0.6	2.0	9.2	-	<0.6	<0.6			<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	4.88	0.40	<0.05	0.19	0.63	-	<0.05	<0.05			<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	1.90	0.16	<0.02	0.07	0.24	-	<0.02	<0.02			<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	125	111	118	107	106	-	104	107			<0	%	TM4/PM8
Methyl Tertiary Butyl Ether #	<0.002	<0.002	<0.002	<0.002	<0.002	-	<0.002	<0.002			<0.002	mg/kg	TM15/PM10
Benzene #	<0.003	<0.003	<0.003	<0.003	0.013	-	<0.003	<0.003			<0.003	mg/kg	TM15/PM10
Toluene #	<0.003	<0.003	<0.003	<0.003	0.005	-	<0.003	<0.003			<0.003	mg/kg	TM15/PM10
Ethylbenzene #	<0.003	<0.003	<0.003	<0.003	0.028	-	<0.003	0.241			<0.003	mg/kg	TM15/PM10
p/m-Xylene #	<0.006	<0.006	<0.006	<0.006	0.035	-	<0.006	0.038			<0.006	mg/kg	TM15/PM10
o-Xylene #	<0.003	<0.003	<0.003	<0.003	0.011	-	<0.003	0.050			<0.003	mg/kg	TM15/PM10
Surrogate Recovery Toluene D8	77	114	112	113	127	-	84	114			<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	79	100	107	110	114	-	77	107			<0	%	TM15/PM10
EPH (C8-C40) #	833	50	62	53	126	-	<30	<30			<30	mg/kg	TM5/PM8

Please see attached notes for all abbreviations and acronyms

Jones Environmental Laboratory

Client Name:	Worley Parsons
Reference:	305008-00018 51603-00
Location:	TOTTENHAM MARSH
Contact:	Philip Harrison
JE Job No.:	13/4280

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

J E Sample No.	1-6	7-9	10-12	13-15	16-18	25-27	28-30	31-33			LOD	Units	Method No.
Sample ID	01BH6/2.001051 3SO1.9-2.0	02BH6/1010513SO3.8-4.0	03BH6/3010513SO7.4-7.8	04DUPLICATE801051 3SO3.8-4.0	05BH1/3300413SO4.2-4.3	06BH3A/2.0010513SO1.9-2.0	09BH3A/3010513SO3.8-3.9	10BH3A/4020513SO6.4-6.5					
Depth	1.9-2.0	3.8-4.0	7.4-7.8	3.8-4.0	4.2-4.3	1.9-2.0	3.8-3.9	6.4-6.5					
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T					
Sample Date	01/05/2013	01/05/2013	01/05/2013	01/05/2013	30/04/2013	01/05/2013	01/05/2013	02/05/2013					
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil					
Batch Number	1	1	1	1	1	1	1	1					
Date of Receipt	04/05/2013	04/05/2013	04/05/2013	04/05/2013	04/05/2013	04/05/2013	04/05/2013	04/05/2013					
Resorcinol	<0.01	<0.10	<0.01	<0.01	<0.01	-	<0.10	<0.01			<0.01	mg/kg	TM26/PM21
Catechol	<0.01	<0.10	<0.01	<0.01	<0.01	-	<0.10	<0.01			<0.01	mg/kg	TM26/PM21
Phenol #	<0.01	<0.10	<0.01	<0.01	<0.01	-	<0.10	<0.01			<0.01	mg/kg	TM26/PM21
m/p-cresol #	<0.02	<0.20	<0.02	<0.02	<0.02	-	<0.20	<0.02			<0.02	mg/kg	TM26/PM21
o-cresol #	<0.01	<0.10	<0.01	<0.01	<0.01	-	<0.10	<0.01			<0.01	mg/kg	TM26/PM21
Total cresols #	<0.03	<0.30	<0.03	<0.03	<0.03	-	<0.30	<0.03			<0.03	mg/kg	TM26/PM21
Xylenols #	<0.06	<0.60	<0.06	<0.06	<0.06	-	<0.60	<0.06			<0.06	mg/kg	TM26/PM21
1-naphthol	<0.01	<0.10	<0.01	<0.01	<0.01	-	<0.10	<0.01			<0.01	mg/kg	TM26/PM21
2,3,5-trimethyl phenol #	<0.01	<0.10	<0.01	<0.01	<0.01	-	<0.10	<0.01			<0.01	mg/kg	TM26/PM21
2-isopropylphenol #	<0.01	<0.10	<0.01	<0.01	<0.01	-	<0.10	<0.01			<0.01	mg/kg	TM26/PM21
Total Speciated Phenols HPLC	<0.15	<1.50	<0.15	<0.15	<0.15	-	<1.50	<0.15			<0.15	mg/kg	TM26/PM21
Natural Moisture Content	24.4	23.9	13.6	25.7	33.6	-	167.3	28.0			<0.1	%	PM4/PM0
Stone Content >= 10mm	<0.1	<0.1	58.5	<0.1	<0.1	-	<0.1	<0.1			<0.1	%	PM4/PM0
Ammoniacal Nitrogen as NH4	<0.6	30.6++	13.5	33.8++	17.9	-	216.0++	56.2++			<0.6	mg/kg	TM38/PM20
Chloride #	15	24	22	26	37	20	47	37			<2	mg/kg	TM38/PM20
Sulphate as SO4 (2:1 Ext) #	1.3930	0.4292	0.0858	0.4349	0.1809	-	1.3747	0.1055			<0.0015	g/l	TM38/PM20
Free Cyanide	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5			<0.5	mg/kg	TM89/PM45
Total Cyanide #	<0.5	<0.5	<0.5	<0.5	0.9	-	<0.5	<0.5			<0.5	mg/kg	TM89/PM45
Complex Cyanide	<0.5	<0.5	<0.5	<0.5	0.9	-	<0.5	<0.5			<0.5	mg/kg	TM89/PM45
Fraction Organic Carbon	0.760	0.004	<0.001	0.008	-	-	0.147	0.005			<0.001	None	TM21/PM24
Thiocyanate	1.0	2.0	2.0	2.0	2.0	-	5.1	1.3			<0.6	mg/kg	TM107/PM45
Elemental Sulphur	19	10	2	9	8	-	35	<1			<1	mg/kg	TM108/PM8
Loss on Ignition #	47.6	1.8	1.1	2.9	7.5	-	37.7	5.3			<1.0	%	TM22/PM0
pH #	6.83	7.70	8.10	7.77	7.60	8.04	6.99	8.21			<0.01	pH units	TM73/PM11
Sample Type	Sand	Clayey Sand	Clay	Clay	Clay	-	Clay	Clay				None	PM13/PM0
Sample Colour	Dark Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	-	Dark Brown	Medium Brown				None	PM13/PM0
Other Items	none	none	stones and sand	sand	none	-	none	none				None	PM13/PM0

Please see attached notes for all abbreviations and acronyms

Client Name: Worley Parsons

Reference: 305008-00018 51603-00

Location: TOTTENHAM MARSH

Contact: Philip Harrison

JE Job No.: 13/4280

Report : NRA Leachate

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

Please see attached notes for all abbreviations and acronyms

J E Sample No.	1-6	25-27									LOD	Units	Method No.
Sample ID	018H6/2.0010513SO1.9-2.0	088H3A/2.0010513SO1.9-2.0											
Depth	1.9-2.0	1.9-2.0											
COC No / misc													
Containers	V J T	V J T											
Sample Date	01/05/2013	01/05/2013											
Sample Type	Soil	Soil											
Batch Number	1	1											
Date of Receipt	04/05/2013	04/05/2013											
Dissolved Arsenic	<0.0009	-									<0.0009	mg/l	TM30/PM14
Dissolved Cadmium	<0.00003	-									<0.00003	mg/l	TM30/PM14
Dissolved Chromium	0.0010	-									<0.0002	mg/l	TM30/PM14
Dissolved Copper	<0.003	-									<0.003	mg/l	TM30/PM14
Dissolved Iron	0.0055	-									<0.0047	mg/l	TM30/PM14
Dissolved Lead	0.0008	-									<0.0004	mg/l	TM30/PM14
Dissolved Nickel	0.0263	-									<0.0002	mg/l	TM30/PM14
Dissolved Selenium	<0.0012	-									<0.0012	mg/l	TM30/PM14
Dissolved Zinc	0.1848	-									<0.0015	mg/l	TM30/PM14
Mercury Dissolved by CVAF	0.00012	-									<0.00001	mg/l	TM61/PM38
Total Dissolved Sulphur	125.00	-									<0.01	mg/l	TM30/PM14
PAH MS													
Naphthalene	<0.000014	-									<0.000014	mg/l	TM4/PM30
Acenaphthylene	0.000130	-									<0.000013	mg/l	TM4/PM30
Acenaphthene	<0.000013	-									<0.000013	mg/l	TM4/PM30
Fluorene	0.000030	-									<0.000014	mg/l	TM4/PM30
Phenanthrene	0.000090	-									<0.000011	mg/l	TM4/PM30
Anthracene	0.000040	-									<0.000013	mg/l	TM4/PM30
Fluoranthene	0.000110	-									<0.000012	mg/l	TM4/PM30
Pyrene	0.000250	-									<0.000013	mg/l	TM4/PM30
Benzo(a)anthracene	0.000180	-									<0.000015	mg/l	TM4/PM30
Chrysene	0.000220	-									<0.000011	mg/l	TM4/PM30
Benzo(bk)fluoranthene	0.000200	-									<0.000018	mg/l	TM4/PM30
Benzo(a)pyrene	0.000170	-									<0.000016	mg/l	TM4/PM30
Indeno(123cd)pyrene	0.000080	-									<0.000011	mg/l	TM4/PM30
Dibenzo(ah)anthracene	0.00002	-									<0.00001	mg/l	TM4/PM30
Benzo(ghi)perylene	0.000080	-									<0.000011	mg/l	TM4/PM30
PAH 16 Total	0.001600	-									<0.000195	mg/l	TM4/PM30
Benzo(b)fluoranthene	0.00014	-									<0.00001	mg/l	TM4/PM30
Benzo(k)fluoranthene	0.00006	-									<0.00001	mg/l	TM4/PM30
PAH Surrogate % Recovery	89	-									<0	%	TM4/PM30
Methyl Tertiary Butyl Ether	<0.001	-									<0.001	mg/l	TM15/PM10
Benzene	<0.001	-									<0.001	mg/l	TM15/PM10
Toluene	<0.002	-									<0.002	mg/l	TM15/PM10
Ethylbenzene	<0.002	-									<0.002	mg/l	TM15/PM10
p/m-Xylene	<0.003	-									<0.003	mg/l	TM15/PM10
o-Xylene	<0.002	-									<0.002	mg/l	TM15/PM10
Surrogate Recovery Toluene D8	104	-									<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	108	-									<0	%	TM15/PM10
EPH (C8-C40)	<0.01	-									<0.01	mg/l	TM5/PM30

Client Name: Worley Parsons

Reference: 305008-00018 51603-00

Location: TOTTENHAM MARSH

Contact: Philip Harrison

JE Job No.: 13/4280

Report : NRA Leachate

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

Please see attached notes for all abbreviations and acronyms

J E Sample No.	1-6	25-27									LOD	Units	Method No.
Sample ID	01BH6/2.0010513SO1.9-2.0	08BH3A/2.0010513SO1.9-2.0											
Depth	1.9-2.0	1.9-2.0											
COC No / misc													
Containers	V J T	V J T											
Sample Date	01/05/2013	01/05/2013											
Sample Type	Soil	Soil											
Batch Number	1	1											
Date of Receipt	04/05/2013	04/05/2013											
Resorcinol	<0.0005	-									<0.0005	mg/l	TM26/PM0
Catechol	<0.0005	-									<0.0005	mg/l	TM26/PM0
Phenol	<0.0005	-									<0.0005	mg/l	TM26/PM0
m/p-cresol	<0.0005	-									<0.0005	mg/l	TM26/PM0
o-cresol	<0.0005	-									<0.0005	mg/l	TM26/PM0
Total cresols	<0.0005	-									<0.0005	mg/l	TM26/PM0
Xylenols	<0.0005	-									<0.0005	mg/l	TM26/PM0
1-naphthol	<0.0005	-									<0.0005	mg/l	TM26/PM0
2,3,5-trimethyl phenol	<0.0005	-									<0.0005	mg/l	TM26/PM0
2-isopropylphenol	<0.0005	-									<0.0005	mg/l	TM26/PM0
Total Speciated Phenols HPLC	<0.005	-									<0.005	mg/l	TM26/PM0
Chloride	<0.3	-									<0.3	mg/l	TM27/PM0
Sulphate	312.05	-									<0.05	mg/l	TM27/PM0
Sulphate	293.68	119.36									<0.05	mg/l	TM38/PM0
Free Cyanide	<0.005	-									<0.005	mg/l	TM89/PM0
Total Cyanide	<0.005	-									<0.005	mg/l	TM89/PM0
Complex Cyanide	<0.01	-									<0.01	mg/l	TM89/PM0
Ammoniacal Nitrogen as NH4	0.08	-									<0.03	mg/l	TM38/PM0
Sulphide	<0.3	-									<0.3	mg/l	TM106/PM0
Thiocyanate	<0.02	-									<0.02	mg/l	TM107/PM0
Dissolved Organic Carbon	4	-									<2	mg/l	TM60/PM0
Electrical Conductivity @25C	200	-									<2	uS/cm	TM76/PM0
pH	7.59	-									<0.01	pH units	TM73/PM0

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 13/4280

SOILS

Please note we are only MCERTS accredited for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary. If we are instructed to keep samples, a storage charge of £1 (1.5 Euros) per sample per month will be applied until we are asked to dispose of them.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

WATERS

Please note we are not a Drinking Water Inspectorate (DWI) Approved Laboratory . It is important that detection limits are carefully considered when requesting water analysis.

UKAS accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

NOTE

Data is only accredited when all the requirements of our Quality System have been met. In certain circumstances where the requirements have not been met, the laboratory may issue the data in an interim report but will remove the accreditation, in this instance results should be considered indicative only. Where possible samples will be re-extracted and a final report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

ABBREVIATIONS and ACRONYMS USED

#	UKAS accredited.
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance.
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
++	Result outside calibration range, results should be considered as indicative only and are not accredited.
*	Analysis subcontracted to a Jones Environmental approved laboratory.
CO	Suspected carry over
OC	Outside Calibration Range
NFD	No Fibres Detected

JE Job No 13/4280

Test Method No.	Description	Prep Method No. (if appropriate)	Description	UKAS	MCERTS (soils only)	Analysis done on As Received (AR) or Air Dried (AD)	Solid Results expressed on Dry/Wet basis
PM4	Moisture Content	PM0	No Preparation				
PM4	Moisture Content	PM0	No Preparation				WET
TM4	16 PAH by GC-MS, modified USEPA 8270	PM30	Magnetic stirrer extraction			AR	
TM4	16 PAH by GC-MS, modified USEPA 8270	PM30	Magnetic stirrer extraction			AR	WET
TM4	16 PAH by GC-MS, modified USEPA 8270	PM8	End Over End extraction			AR	DRY
TM4	16 PAH by GC-MS, modified USEPA 8270	PM8	End Over End extraction	Yes		AR	DRY
TM4	16 PAH by GC-MS, modified USEPA 8270	PM8	End Over End extraction			AR	
TM5	EPH by GC-FID, modified USEPA 8015	PM30	Magnetic stirrer extraction			AR	WET
TM5	EPH by GC-FID, modified USEPA 8015	PM8	End Over End extraction	Yes		AR	DRY
PM13	Soil Typing for MCERTS	PM0	No Preparation			AR	
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS			AR	DRY
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS	Yes		AR	DRY
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS			AR	
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS			AR	WET
TM21	TOC and TC by Combustion	PM24	Eltra preparation			AD	DRY
TM22	Loss on Ignition (LOI) - gravimetric	PM0	No Preparation	Yes		AD	DRY
TM26	Phenols by HPLC	PM0	No Preparation			AR	WET
TM26	Phenols by HPLC	PM21	Methanol : NaOH extraction			AR	DRY
TM26	Phenols by HPLC	PM21	Methanol : NaOH extraction	Yes		AR	DRY
TM27	SO4,Cl,NO3,NO2,F,PO4 by Dionex	PM0	No Preparation			AR	WET
TM30	Metals by ICP-OES	PM14	Metals by ICP (Waters)			AR	WET
TM30	Metals by ICP-OES	PM15	Aqua Regia extraction (Soils)	Yes		AD	DRY
TM38	SO4,Cl,NO3,NO2,F,PO4, Amm N2,ThioCN, Hex Cr by Aquakem	PM0	No Preparation			AR	WET
TM38	SO4,Cl,NO3,NO2,F,PO4, Amm N2,ThioCN, Hex Cr by Aquakem	PM20	1:2 soil to water extraction	Yes		AD	DRY
TM38	SO4,Cl,NO3,NO2,F,PO4, Amm N2,ThioCN, Hex Cr by Aquakem	PM20	1:2 soil to water extraction			AR	DRY
TM50	Total Sulphate by ICP-OES	PM15	Aqua Regia extraction (Soils)	Yes		AD	DRY
TM60	TOC/DOC by NDIR	PM0	No Preparation			AR	WET
TM61	Mercury - low level CVAF	PM38	Mercury CVAF			AR	WET
TM73	pH in by Metrohm	PM0	No Preparation			AR	WET
TM73	pH in by Metrohm	PM11	1:2.5 soil/water extraction	Yes		AR	WET
TM74	Water Soluble Boron by ICP-OES	PM32	Preparation of soils for WSB	Yes		AD	DRY
TM76	Electrical Conductivity by Metrohm	PM0	No Preparation			AR	WET
TM89	Cyanide by FIA	PM0	No Preparation			AR	WET
TM89	Cyanide by FIA	PM45	Cyanide & Thiocyanate prep for soils			AR	DRY
TM89	Cyanide by FIA	PM45	Cyanide & Thiocyanate prep for soils	Yes		AR	DRY
TM106	Sulphide by CFA	PM0	No Preparation			AR	WET
TM107	Thiocyanate by CFA	PM0	No Preparation			AR	WET
TM107	Thiocyanate by CFA	PM45	Cyanide & Thiocyanate prep for soils			AR	DRY
TM108	Elemental Sulphur by HPLC	PM8	End Over End extraction			AR	DRY

Jones Environmental Laboratory

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Worley Parsons
3-8 Redcliffe Parade West
Bristol
BS1 6SP

No.4225

Attention :	Philip Harrison
Date :	21st May, 2013
Your reference :	305008-00018 51603-00
Our reference :	Test Report 13/4457 Batch 1
Location :	TOTTENHAM MARSH
Date samples received :	11th May, 2013
Status :	Final report
Issue :	1

Eight samples were received for analysis on 11th May, 2013. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Paul Lee-Boden B.Sc
Project Manager

Bob Millward B.Sc
Principal Chemist

Jones Environmental Laboratory

Client Name: Worley Parsons

Reference: 305008-00018 51603-00

Location: TOTTENHAM MARSH

Contact: Philip Harrison

JE Job No.: 13/4457

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

J E Sample No.	1-3	4-6	7-9	10-12	13-15	16-21	22-24	25-27			LOD	Units	Method No.
Sample ID	01BH2/1080513SO1.9-2.0	02BH2/2.0080513SO2.0 -2.1	03BH2/3080513SO6.4-6.5	04BH2/4090513SO19.4-19.5	05BH8/1090513SO2.5-2.7	06BH8/2.0090513SO1.9-2.0	07BH8/3090513SO3.5-3.7	08DUPLICATE090513SO3.5-3.7					
Depth	1.9-2.0	2.0-2.1	6.4-6.5	19.4-19.5	2.5-2.7	1.9-2.0	3.5-3.7	2.5-2.7					
COC No / misc							HIGH PID						
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T					
Sample Date	08/05/2013	08/05/2013	08/05/2013	09/05/2013	09/05/2013	09/05/2013	09/05/2013	09/05/2013					
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil					
Batch Number	1	1	1	1	1	1	1	1					
Date of Receipt	11/05/2013	11/05/2013	11/05/2013	11/05/2013	11/05/2013	11/05/2013	11/05/2013	11/05/2013					
Arsenic #	17.3	-	8.0	24.8	90.0	7.5	8.4	68.0			<0.5	mg/kg	TM30/PM15
Cadmium #	0.2	-	0.3	0.1	0.9	0.5	<0.1	0.7			<0.1	mg/kg	TM30/PM15
Chromium #	17.8	-	39.5	38.2	29.5	61.8	6.4	28.8			<0.5	mg/kg	TM30/PM15
Copper #	42	-	28	<1	8	17	4	10			<1	mg/kg	TM30/PM15
Lead #	466	-	16	8	8	17	<5	8			<5	mg/kg	TM30/PM15
Mercury #	0.6	-	<0.1	<0.1	<0.1	0.3	<0.1	<0.1			<0.1	mg/kg	TM30/PM15
Nickel #	21.2	-	38.1	17.3	46.7	50.7	9.2	38.8			<0.7	mg/kg	TM30/PM15
Selenium #	<1	-	<1	<1	10	2	<1	9			<1	mg/kg	TM30/PM15
Total Sulphate #	-	649	-	-	-	1130	-	-			<50	mg/kg	TM50/PM15
Water Soluble Boron #	2.0	-	5.5	1.3	15.3	4.1	0.2	13.5			<0.1	mg/kg	TM74/PM32
Zinc #	143	-	86	69	57	148	11	60			<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene #	0.32	-	2.25	<0.04	0.07	<0.04	0.14	<0.04			<0.04	mg/kg	TM4/PM8
Acenaphthylene	0.15	-	0.10	<0.03	0.44	0.04	2.15	1.49			<0.03	mg/kg	TM4/PM8
Acenaphthene #	<0.05	-	<0.05	<0.05	2.10	<0.05	10.91	4.44			<0.05	mg/kg	TM4/PM8
Fluorene #	0.09	-	0.05	<0.04	1.08	<0.04	7.42	2.43			<0.04	mg/kg	TM4/PM8
Phenanthrene #	0.67	-	0.12	<0.03	0.99	0.14	20.02	2.95			<0.03	mg/kg	TM4/PM8
Anthracene #	0.19	-	<0.04	<0.04	0.56	0.06	7.02	1.60			<0.04	mg/kg	TM4/PM8
Fluoranthene #	1.75	-	0.05	<0.03	1.15	0.10	9.78	3.45			<0.03	mg/kg	TM4/PM8
Pyrene #	1.41	-	0.05	<0.03	1.41	0.10	12.43	4.32			<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	0.89	-	0.07	<0.06	0.55	<0.06	3.93	1.53			<0.06	mg/kg	TM4/PM8
Chrysene #	0.93	-	0.04	<0.02	0.46	0.07	3.66	1.47			<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	1.41	-	<0.07	<0.07	0.46	<0.07	3.86	1.74			<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	0.85	-	<0.04	<0.04	0.39	<0.04	2.94	1.30			<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #	0.60	-	<0.04	<0.04	0.19	<0.04	1.44	0.69			<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	0.17	-	<0.04	<0.04	<0.04	<0.04	0.23	0.16			<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	0.50	-	<0.04	<0.04	0.18	<0.04	1.37	0.60			<0.04	mg/kg	TM4/PM8
PAH 16 Total	9.9	-	2.7	<0.6	10.0	<0.6	87.3	28.2			<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	1.02	-	<0.05	<0.05	0.33	<0.05	2.78	1.25			<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	0.39	-	<0.02	<0.02	0.13	<0.02	1.08	0.49			<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	98	-	96	102	97	93	99	112			<0	%	TM4/PM8
Methyl Tertiary Butyl Ether #	<0.002	-	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			<0.002	mg/kg	TM15/PM10
Benzene #	0.016	-	0.055	0.011	0.109	0.019	0.244	0.112			<0.003	mg/kg	TM15/PM10
Toluene #	0.008	-	0.020	0.009	0.007	0.009	0.014	0.014			<0.003	mg/kg	TM15/PM10
Ethylbenzene #	0.007	-	2.828	0.010	0.028	0.006	0.111	0.023			<0.003	mg/kg	TM15/PM10
p/m-Xylene #	0.011	-	1.463	0.015	0.069	0.013	7.257++	0.075			<0.006	mg/kg	TM15/PM10
o-Xylene #	0.005	-	0.840	0.006	0.028	0.006	0.131	0.025			<0.003	mg/kg	TM15/PM10
Surrogate Recovery Toluene D8	125	-	130	141	87	137	107	89			<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	119	-	124	123	70	124	102	72			<0	%	TM15/PM10
EPH (C8-C40) #	119	-	37	<30	2829	<30	7052	3634			<30	mg/kg	TM5/PM8

Please see attached notes for all abbreviations and acronyms

Jones Environmental Laboratory

Client Name: Worley Parsons

Reference: 305008-00018 51603-00

Location: TOTTENHAM MARSH

Contact: Philip Harrison

JE Job No.: 13/4457

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

J E Sample No.	1-3	4-6	7-9	10-12	13-15	16-21	22-24	25-27			LOD	Units	Method No.
Sample ID	01BH2/1080513SO1.9-2.0	02BH2/2.0080513SO2.0 -2.1	03BH2/3080513SO6.4-6.5	04BH2/4090513SO19.4-19.5	05BH8/1090513SO2.5-2.7	06BH8/2.0090513SO1.9-2.0	07BH8/3090513SO3.5-3.7	08DUPLICATE090513SO3.5-2.7					
Depth	1.9-2.0	2.0-2.1	6.4-6.5	19.4-19.5	2.5-2.7	1.9-2.0	3.5-3.7	2.5-2.7					
COC No / misc							HIGH PID						
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T					
Sample Date	08/05/2013	08/05/2013	08/05/2013	09/05/2013	09/05/2013	09/05/2013	09/05/2013	09/05/2013					
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil					
Batch Number	1	1	1	1	1	1	1	1					
Date of Receipt	11/05/2013	11/05/2013	11/05/2013	11/05/2013	11/05/2013	11/05/2013	11/05/2013	11/05/2013					
TPH CWG													
Aliphatics													
>C5-C6 #	-	-	-	-	-	-	NDP	-			<0.1	mg/kg	TM36/PM12
>C6-C8 #	-	-	-	-	-	-	NDP	-			<0.1	mg/kg	TM36/PM12
>C8-C10	-	-	-	-	-	-	NDP	-			<0.1	mg/kg	TM36/PM12
>C10-C12 #	-	-	-	-	-	-	116.1	-			<0.2	mg/kg	TM5/PM16
>C12-C16 #	-	-	-	-	-	-	1032	-			<4	mg/kg	TM5/PM16
>C16-C21 #	-	-	-	-	-	-	880	-			<7	mg/kg	TM5/PM16
>C21-C35 #	-	-	-	-	-	-	302	-			<7	mg/kg	TM5/PM16
Total aliphatics C5-35	-	-	-	-	-	-	NDP	-			<19	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics C5-C12	-	-	-	-	-	-	NDP	-			<0.5	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics >C12-C35 #	-	-	-	-	-	-	2214	-			<18	mg/kg	TM5/TM36/PM12/PM16
Aromatics													
>C5-EC7	-	-	-	-	-	-	NDP	-			<0.1	mg/kg	TM36/PM12
>EC7-EC8	-	-	-	-	-	-	NDP	-			<0.1	mg/kg	TM36/PM12
>EC8-EC10 #	-	-	-	-	-	-	NDP	-			<0.1	mg/kg	TM36/PM12
>EC10-EC12 #	-	-	-	-	-	-	30.7	-			<0.2	mg/kg	TM5/PM16
>EC12-EC16 #	-	-	-	-	-	-	320	-			<4	mg/kg	TM5/PM16
>EC16-EC21 #	-	-	-	-	-	-	458	-			<7	mg/kg	TM5/PM16
>EC21-EC35 #	-	-	-	-	-	-	820	-			<7	mg/kg	TM5/PM16
Total aromatics C5-35	-	-	-	-	-	-	NDP	-			<19	mg/kg	TM5/TM36/PM12/PM16
Total aromatics C5-C12	-	-	-	-	-	-	NDP	-			<0.5	mg/kg	TM5/TM36/PM12/PM16
Total aromatics >EC12-EC35 #	-	-	-	-	-	-	1598	-			<18	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics and aromatics(C5-35)	-	-	-	-	-	-	NDP	-			<38	mg/kg	TM5/TM36/PM12/PM16
Resorcinol	<0.01	-	<0.01	<0.01	<0.10	<0.01	<0.10	<0.20			<0.01	mg/kg	TM26/PM21
Catechol	<0.01	-	<0.01	<0.01	<0.10	<0.01	<0.10	<0.20			<0.01	mg/kg	TM26/PM21
Phenol #	<0.01	-	<0.01	<0.01	<0.10	<0.01	<0.10	<0.20			<0.01	mg/kg	TM26/PM21
m/p-cresol #	<0.02	-	<0.02	<0.02	<0.20	<0.02	<0.20	<0.40			<0.02	mg/kg	TM26/PM21
o-cresol #	<0.01	-	<0.01	<0.01	<0.10	<0.01	<0.10	<0.20			<0.01	mg/kg	TM26/PM21
Total cresols #	<0.03	-	<0.03	<0.03	<0.30	<0.03	<0.30	<0.60			<0.03	mg/kg	TM26/PM21
Xylenols #	<0.06	-	<0.06	<0.06	<0.60	<0.06	<0.60	<1.20			<0.06	mg/kg	TM26/PM21
1-naphthol	<0.01	-	<0.01	<0.01	<0.10	<0.01	<0.10	<0.20			<0.01	mg/kg	TM26/PM21
2,3,5-trimethyl phenol #	<0.01	-	<0.01	<0.01	<0.10	<0.01	<0.10	<0.20			<0.01	mg/kg	TM26/PM21
2-isopropylphenol #	<0.01	-	<0.01	<0.01	<0.10	<0.01	<0.10	<0.20			<0.01	mg/kg	TM26/PM21
Total Speciated Phenols HPLC	<0.15	-	<0.15	<0.15	<1.50	<0.15	<1.50	<3.00			<0.15	mg/kg	TM26/PM21
Natural Moisture Content	14.7	-	24.1	24.8	76.4	43.8	5.7	77.7			<0.1	%	PM4/PM0
Stone Content >= 10mm	28.6	-	<0.1	<0.1	0.1	<0.1	46.4	<0.1			<0.1	%	PM4/PM0
Ammoniacal Nitrogen as NH4	64.2 ++	-	4.7	1.0	7.4	<0.6	<0.6	8.0			<0.6	mg/kg	TM38/PM20
Chloride #	8	32	51	55	783	21	27	511			<2	mg/kg	TM38/PM20
Sulphate as SO4 (2:1 Ext) #	0.0670	-	0.1214	0.1292	1.3927	0.5256	0.0255	1.2056			<0.0015	g/l	TM38/PM20

Please see attached notes for all abbreviations and acronyms

Jones Environmental Laboratory

Client Name: Worley Parsons

Reference: 305008-00018 51603-00

Location: TOTTENHAM MARSH

Contact: Philip Harrison

JE Job No.: 13/4457

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

J E Sample No.	1-3	4-6	7-9	10-12	13-15	16-21	22-24	25-27			LOD	Units	Method No.
Sample ID	01BH2/1080513SO1.9-2.0	02BH2/2.0080513SO2.0 -2.1	03BH2/3080513SO6.4-6.5	04BH2/4090513SO19.4-19.5	05BH8/1090513SO2.5-2.7	06BH8/2.0090513SO1.9-2.0	07BH8/3090513SO3.5-3.7	08DUPLICATE090513SO3.5-2.7					
Depth	1.9-2.0	2.0-2.1	6.4-6.5	19.4-19.5	2.5-2.7	1.9-2.0	3.5-3.7	2.5-2.7					
COC No / misc							HIGH PID						
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T					
Sample Date	08/05/2013	08/05/2013	08/05/2013	09/05/2013	09/05/2013	09/05/2013	09/05/2013	09/05/2013					
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil					
Batch Number	1	1	1	1	1	1	1	1					
Date of Receipt	11/05/2013	11/05/2013	11/05/2013	11/05/2013	11/05/2013	11/05/2013	11/05/2013	11/05/2013					
Free Cyanide	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	mg/kg	TM89/PM45
Total Cyanide #	<0.5	-	<0.5	<0.5	2.3	2.3	7.4	2.5			<0.5	mg/kg	TM89/PM45
Complex Cyanide	<0.5	-	<0.5	<0.5	2.3	2.3	7.4	2.5			<0.5	mg/kg	TM89/PM45
Fraction Organic Carbon	-	0.010	-	<0.001	0.223	0.012	<0.001	0.177			<0.001	None	TM21/PM24
Thiocyanate	<0.6	-	1.6	1.1	3.4	<0.6	2.9	3.6			<0.6	mg/kg	TM107/PM45
Elemental Sulphur	7	-	2	<1	14	<1	26	34			<1	mg/kg	TM108/PM8
Loss on Ignition #	5.0	-	7.6	<1.0	24.9	12.1	1.1	46.5			<1.0	%	TM22/PM0
pH #	8.24	8.19	8.34	8.58	7.22	6.97	6.96	7.08			<0.01	pH units	TM73/PM11
Sample Type	Sandy Loam	-	Clay	Loamy Sand	Clayey Loam	Clay	Sand	Clayey Loam				None	PM13/PM0
Sample Colour	Medium Brown	-	Medium Grey	Medium Grey	Black	Medium Brown	Black	Dark Brown				None	PM13/PM0
Other Items	Stones, Roots	-	Stones	Stones	Stones	None	Stones, Strong petro-chemical smell	None				None	PM13/PM0

Please see attached notes for all abbreviations and acronyms

Client Name: Worley Parsons

Reference: 305008-00018 51603-00

Location: TOTTENHAM MARSH

Contact: Philip Harrison

JE Job No.: 13/4457

Report : NRA Leachate

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

J E Sample No.	4-6	16-21									LOD	Units	Method No.
Sample ID	028HP2.008051 3SO20..-2.1	06BHP2.009051 3SO1.9-2.0											
Depth	2.0-2.1	1.9-2.0											
COC No / misc													
Containers	V J T	V J T											
Sample Date	08/05/2013	09/05/2013											
Sample Type	Soil	Soil											
Batch Number	1	1											
Date of Receipt	11/05/2013	11/05/2013											
Dissolved Arsenic	-	<0.0009									<0.0009	mg/l	TM30/PM14
Dissolved Cadmium	-	<0.00003									<0.00003	mg/l	TM30/PM14
Dissolved Chromium	-	<0.0002									<0.0002	mg/l	TM30/PM14
Dissolved Copper	-	<0.003									<0.003	mg/l	TM30/PM14
Dissolved Iron	-	0.0397									<0.0047	mg/l	TM30/PM14
Dissolved Lead	-	<0.0004									<0.0004	mg/l	TM30/PM14
Dissolved Nickel	-	<0.0002									<0.0002	mg/l	TM30/PM14
Dissolved Selenium	-	<0.0012									<0.0012	mg/l	TM30/PM14
Dissolved Zinc	-	0.0020									<0.0015	mg/l	TM30/PM14
Mercury Dissolved by CVAF	-	<0.00001									<0.00001	mg/l	TM61/PM38
Total Dissolved Sulphur	-	29.95									<0.01	mg/l	TM30/PM14
PAH MS													
Naphthalene	-	<0.000014									<0.000014	mg/l	TM4/PM30
Acenaphthylene	-	<0.000013									<0.000013	mg/l	TM4/PM30
Acenaphthene	-	<0.000013									<0.000013	mg/l	TM4/PM30
Fluorene	-	<0.000014									<0.000014	mg/l	TM4/PM30
Phenanthrene	-	<0.000011									<0.000011	mg/l	TM4/PM30
Anthracene	-	<0.000013									<0.000013	mg/l	TM4/PM30
Fluoranthene	-	<0.000012									<0.000012	mg/l	TM4/PM30
Pyrene	-	<0.000013									<0.000013	mg/l	TM4/PM30
Benzo(a)anthracene	-	<0.000015									<0.000015	mg/l	TM4/PM30
Chrysene	-	<0.000011									<0.000011	mg/l	TM4/PM30
Benzo(bk)fluoranthene	-	<0.000018									<0.000018	mg/l	TM4/PM30
Benzo(a)pyrene	-	<0.000016									<0.000016	mg/l	TM4/PM30
Indeno(123cd)pyrene	-	<0.000011									<0.000011	mg/l	TM4/PM30
Dibenzo(ah)anthracene	-	<0.00001									<0.00001	mg/l	TM4/PM30
Benzo(ghi)perylene	-	<0.000011									<0.000011	mg/l	TM4/PM30
PAH 16 Total	-	<0.000195									<0.000195	mg/l	TM4/PM30
Benzo(b)fluoranthene	-	<0.00001									<0.00001	mg/l	TM4/PM30
Benzo(k)fluoranthene	-	<0.00001									<0.00001	mg/l	TM4/PM30
PAH Surrogate % Recovery	-	102									<0	%	TM4/PM30
Methyl Tertiary Butyl Ether	-	<0.001									<0.001	mg/l	TM15/PM10
Benzene	-	<0.001									<0.001	mg/l	TM15/PM10
Toluene	-	<0.002									<0.002	mg/l	TM15/PM10
Ethylbenzene	-	<0.002									<0.002	mg/l	TM15/PM10
p/m-Xylene	-	<0.003									<0.003	mg/l	TM15/PM10
o-Xylene	-	<0.002									<0.002	mg/l	TM15/PM10
Surrogate Recovery Toluene D8	-	78									<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	-	66									<0	%	TM15/PM10
EPH (C8-C40)	-	<0.01									<0.01	mg/l	TM5/PM30

Please see attached notes for all abbreviations and acronyms

Jones Environmental Laboratory

Client Name: Worley Parsons

Reference: 305008-00018 51603-00

Location: TOTTENHAM MARSH

Contact: Philip Harrison

JE Job No.: 13/4457

Report : NRA Leachate

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

Please see attached notes for all abbreviations and acronyms

J E Sample No.	4-6	16-21									LOD	Units	Method No.
Sample ID	028HP2.008051 3SO20..-2.1	06BHB2.00905 13SO1.9-2.0											
Depth	2.0-2.1	1.9-2.0											
COC No / misc													
Containers	V J T	V J T											
Sample Date	08/05/2013	09/05/2013											
Sample Type	Soil	Soil											
Batch Number	1	1											
Date of Receipt	11/05/2013	11/05/2013											
Resorcinol	-	<0.0005									<0.0005	mg/l	TM26/PM0
Catechol	-	<0.0005									<0.0005	mg/l	TM26/PM0
Phenol	-	<0.0005									<0.0005	mg/l	TM26/PM0
m/p-cresol	-	<0.0005									<0.0005	mg/l	TM26/PM0
o-cresol	-	<0.0005									<0.0005	mg/l	TM26/PM0
Total cresols	-	<0.0005									<0.0005	mg/l	TM26/PM0
Xylenols	-	<0.0005									<0.0005	mg/l	TM26/PM0
1-naphthol	-	<0.0005									<0.0005	mg/l	TM26/PM0
2,3,5-trimethyl phenol	-	<0.0005									<0.0005	mg/l	TM26/PM0
2-isopropylphenol	-	<0.0005									<0.0005	mg/l	TM26/PM0
Total Speciated Phenols HPLC	-	<0.005									<0.005	mg/l	TM26/PM0
Chloride	-	0.7									<0.3	mg/l	TM27/PM0
Sulphate	27.27	93.96									<0.05	mg/l	TM27/PM0
Free Cyanide	-	<0.005									<0.005	mg/l	TM89/PM0
Total Cyanide	-	0.093									<0.005	mg/l	TM89/PM0
Complex Cyanide	-	0.09									<0.01	mg/l	TM89/PM0
Ammoniacal Nitrogen as NH4	-	0.15									<0.03	mg/l	TM38/PM0
Sulphide	-	<0.3									<0.3	mg/l	TM106/PM0
Thiocyanate	-	<0.02									<0.02	mg/l	TM107/PM0
Dissolved Organic Carbon	-	3									<2	mg/l	TM60/PM0
Electrical Conductivity @25C	-	248									<2	uS/cm	TM76/PM0
pH	-	6.52									<0.01	pH units	TM73/PM0

Client Name: Worley Parsons
Reference: 305008-00018 51603-00
Location: TOTTENHAM MARSH
Contact: Philip Harrison

Report : **Solid**
Type: **AQC**

J E QC Job No.	05/75	05/75	05/75	05/75	05/75	05/75	05/75	05/75	
J E QC Sample No.	2	3	4	5	6	7	8	9	Method No.
QC Sample ID	QC 2	QC 3	QC 4	QC 5	QC 6	QC 7	QC 8	QC 9	
Arsenic	-	-	-	-	-	-	-	-	TM30/PM15
Barium	-	-	-	-	-	-	-	-	TM30/PM15
Cadmium	-	-	-	-	-	-	-	-	TM30/PM15
Chromium	-	-	-	-	-	-	-	-	TM30/PM15
Cobalt	-	-	-	-	-	-	-	-	TM30/PM15
Copper	-	-	-	-	-	-	-	-	TM30/PM15
Lead	-	-	-	-	-	-	-	-	TM30/PM15
Manganese	-	-	-	-	-	-	-	-	TM30/PM15
Mercury	-	-	-	-	-	-	-	-	TM30/PM15
Molybdenum	-	-	-	-	-	-	-	-	TM30/PM15
Nickel	-	-	-	-	-	-	-	-	TM30/PM15
Selenium	-	-	-	-	-	-	-	-	TM30/PM15
Total Sulphate	-	-	-	-	-	-	-	-	TM50/PM15
Water Soluble Boron	-	-	-	-	-	-	-	-	TM74/PM32
Zinc	-	-	-	-	-	-	-	-	TM30/PM15
PAH MS									
Naphthalene	-	-	-	-	-	-	-	-	TM4/PM8
Acenaphthylene	-	-	-	-	-	-	-	-	TM4/PM8
Acenaphthene	-	-	-	-	-	-	-	-	TM4/PM8
Fluorene	-	-	-	-	-	-	-	-	TM4/PM8
Phenanthrene	-	-	-	-	-	-	-	-	TM4/PM8
Anthracene	-	-	-	-	-	-	-	-	TM4/PM8
Fluoranthene	-	-	-	-	-	-	-	-	TM4/PM8
Pyrene	-	-	-	-	-	-	-	-	TM4/PM8
Benzo(a)anthracene	-	-	-	-	-	-	-	-	TM4/PM8
Chrysene	-	-	-	-	-	-	-	-	TM4/PM8
Benzo(bk)fluoranthene	-	-	-	-	-	-	-	-	TM4/PM8
Benzo(a)pyrene	-	-	-	-	-	-	-	-	TM4/PM8
Indeno(123cd)pyrene	-	-	-	-	-	-	-	-	TM4/PM8
Dibenzo(ah)anthracene	-	-	-	-	-	-	-	-	TM4/PM8
Benzo(ghi)perylene	-	-	-	-	-	-	-	-	TM4/PM8

The figure in bold is the percentage recovery result for the AQC associated with the samples. The subscript numbers are the lower and upper control limits expressed as a percentage. The percentage recovery result for the AQC should be between these limits to be statistically in control.

Jones Environmental Laboratory

Client Name:	Worley Parsons	**Report :**	**Solid**
Reference:	305008-00018 51603-00	**Type:**	**AQC**
Location:	TOTTENHAM MARSH		
Contact:	Philip Harrison		

J E QC Job No.	05/75	05/75	05/75	05/75	05/75	05/75	05/75	05/75	
J E QC Sample No.	2	3	4	5	6	7	8	9	**Method No.**
QC Sample ID	QC 2	QC 3	QC 4	QC 5	QC 6	QC 7	QC 8	QC 9	
VOC MS									
Methyl Tertiary Butyl Ether	-	**93.51** 67.20 : 127.38	-	-	-	-	-	-	TM15/PM10
Chloromethane	-	**76.86** 55.35 : 149.79	-	-	-	-	-	-	TM15/PM10
Chloroethane	-	**85.92** 68.33 : 129.58	-	-	-	-	-	-	TM15/PM10
Trichlorofluoromethane	-	**105.22** 70.90 : 130.87	-	-	-	-	-	-	TM15/PM10
1,1-Dichloroethene (1,1 DCE)	-	**96.21** 71.27 : 127.12	-	-	-	-	-	-	TM15/PM10
Dichloromethane (DCM)	-	**105.20** 69.02 : 134.42	-	-	-	-	-	-	TM15/PM10
trans-1-2-Dichloroethene	-	**96.45** 73.71 : 123.12	-	-	-	-	-	-	TM15/PM10
1,1-Dichloroethane	-	**103.42** 74.45 : 123.41	-	-	-	-	-	-	TM15/PM10
cis-1-2-Dichloroethene	-	**101.20** 70.38 : 128.61	-	-	-	-	-	-	TM15/PM10
2,2-Dichloropropane	-	**75.07** 74.77 : 123.21	-	-	-	-	-	-	TM15/PM10
Bromochloromethane	-	**115.84** 68.96 : 136.21	-	-	-	-	-	-	TM15/PM10
Chloroform	-	**117.92** 74.99 : 128.23	-	-	-	-	-	-	TM15/PM10
1,1,1-Trichloroethane	-	**104.36** 74.22 : 125.57	-	-	-	-	-	-	TM15/PM10
1,1-Dichloropropene	-	**102.86** 74.54 : 123.07	-	-	-	-	-	-	TM15/PM10
Carbon tetrachloride	-	**104.49** 71.51 : 130.30	-	-	-	-	-	-	TM15/PM10
1,2-Dichloroethane	-	**121.14** 69.73 : 139.62	-	-	-	-	-	-	TM15/PM10
Benzene	-	**104.26** 75.56 : 125.89	-	-	-	-	-	-	TM15/PM10
Trichloroethene (TCE)	-	**107.59** 72.32 : 123.87	-	-	-	-	-	-	TM15/PM10
1,2-Dichloropropane	-	**107.36** 74.83 : 125.63	-	-	-	-	-	-	TM15/PM10
Dibromomethane	-	**124.05** 71.85 : 134.63	-	-	-	-	-	-	TM15/PM10
Bromodichloromethane	-	**103.25** 72.50 : 130.62	-	-	-	-	-	-	TM15/PM10
Toluene	-	**107.65** 75.41 : 123.26	-	-	-	-	-	-	TM15/PM10
1,1,2-Trichloroethane	-	**126.64** 70.81 : 135.35	-	-	-	-	-	-	TM15/PM10
Tetrachloroethene (PCE)	-	**110.32** 69.58 : 129.59	-	-	-	-	-	-	TM15/PM10
1,3-Dichloropropane	-	**119.47** 72.72 : 132.84	-	-	-	-	-	-	TM15/PM10
Dibromochloromethane	-	**100.34** 68.58 : 137.32	-	-	-	-	-	-	TM15/PM10
1,2-Dibromoethane	-	**114.39** 69.38 : 133.93	-	-	-	-	-	-	TM15/PM10
Chlorobenzene	-	**109.21** 77.21 : 121.35	-	-	-	-	-	-	TM15/PM10
1,1,1,2-Tetrachloroethane	-	**113.80** 74.33 : 125.85	-	-	-	-	-	-	TM15/PM10
Ethylbenzene	-	**104.15** 74.10 : 120.27	-	-	-	-	-	-	TM15/PM10
p/m-Xylene	-	**106.11** 75.02 : 121.79	-	-	-	-	-	-	TM15/PM10

The figure in bold is the percentage recovery result for the AQC associated with the samples. The subscript numbers are the lower and upper control limits expressed as a percentage. The percentage recovery result for the AQC should be between these limits to be statistically in control.

Client Name: Worley Parsons
Reference: 305008-00018 51603-00
Location: TOTTENHAM MARSH
Contact: Philip Harrison

Report : **Solid**
Type: **AQC**

J E QC Job No.	05/75	05/75	05/75	05/75	05/75	05/75	05/75	05/75	
J E QC Sample No.	2	3	4	5	6	7	8	9	Method No.
QC Sample ID	QC 2	QC 3	QC 4	QC 5	QC 6	QC 7	QC 8	QC 9	
o-Xylene	-	**107.35** 74.80 : 123.77	-	-	-	-	-	-	TM15/PM10
Styrene	-	**101.72** 52.31 : 148.94	-	-	-	-	-	-	TM15/PM10
Bromoform	-	**95.99** 67.28 : 138.07	-	-	-	-	-	-	TM15/PM10
Isopropylbenzene	-	**103.31** 69.57 : 128.86	-	-	-	-	-	-	TM15/PM10
1,1,2,2-Tetrachloroethane	-	**131.06** 67.67 : 137.42	-	-	-	-	-	-	TM15/PM10
1,2,3-Trichloropropane	-	**129.10** 75.81 : 135.28	-	-	-	-	-	-	TM15/PM10
Propylbenzene	-	**105.64** 66.14 : 132.45	-	-	-	-	-	-	TM15/PM10
1,3,5-Trimethylbenzene	-	**106.63** 64.30 : 137.84	-	-	-	-	-	-	TM15/PM10
4-Chlorotoluene	-	**113.68** 68.65 : 129.76	-	-	-	-	-	-	TM15/PM10
tert-Butylbenzene	-	**105.02** 64.22 : 141.33	-	-	-	-	-	-	TM15/PM10
1,2,4-Trimethylbenzene	-	**108.60** 67.38 : 135.89	-	-	-	-	-	-	TM15/PM10
sec-Butylbenzene	-	**101.12** 54.74 : 152.45	-	-	-	-	-	-	TM15/PM10
4-Isopropyltoluene	-	**103.28** 52.28 : 157.63	-	-	-	-	-	-	TM15/PM10
1,3-Dichlorobenzene	-	**106.83** 76.16 : 126.56	-	-	-	-	-	-	TM15/PM10
1,4-Dichlorobenzene	-	**118.60** 68.37 : 134.87	-	-	-	-	-	-	TM15/PM10
n-Butylbenzene	-	**89.14** 50.83 : 156.25	-	-	-	-	-	-	TM15/PM10
1,2-Dichlorobenzene	-	**112.29** 77.22 : 130.65	-	-	-	-	-	-	TM15/PM10
1,2-Dibromo-3-chloropropane	-	**129.73** 55.02 : 152.85	-	-	-	-	-	-	TM15/PM10
1,2,4-Trichlorobenzene	-	**110.54** 38.67 : 151.03	-	-	-	-	-	-	TM15/PM10
1,2,3-Trichlorobenzene	-	**108.51** 40.03 : 149.03	-	-	-	-	-	-	TM15/PM10
EPH (C8-C40)	-	-	-	-	-	-	-	-	TM5/PM8
TPH CWG									
Aliphatics									
EPH (C8-C40)	-	-	-	-	-	-	-	-	TM5/PM8

The figure in bold is the percentage recovery result for the AQC associated with the samples. The subscript numbers are the lower and upper control limits expressed as a percentage. The percentage recovery result for the AQC should be between these limits to be statistically in control.

Client Name: Worley Parsons
Reference: 305008-00018 51603-00
Location: TOTTENHAM MARSH
Contact: Philip Harrison

Report : **Solid**
Type: **AQC**

J E QC Job No.	05/75	05/75	05/75	05/75	05/75	05/75	05/75	05/75	
J E QC Sample No.	2	3	4	5	6	7	8	9	**Method No.**
QC Sample ID	QC 2	QC 3	QC 4	QC 5	QC 6	QC 7	QC 8	QC 9	
GRO (>C4-C12)	-	-	-	-	-	-	-	-	TM36/PM12
MTBE	-	-	-	-	-	-	-	-	TM36/PM12
Benzene	-	-	-	-	-	-	-	-	TM36/PM12
Toluene	-	-	-	-	-	-	-	-	TM36/PM12
Ethylbenzene	-	-	-	-	-	-	-	-	TM36/PM12
m/p-Xylene	-	-	-	-	-	-	-	-	TM36/PM12
o-Xylene	-	-	-	-	-	-	-	-	TM36/PM12
>C5-C10	-	-	-	-	-	-	-	-	TM36/PM12
Phenol	-	-	-	**64.96** 48 : 114	-	**94.28** 48 : 114	-	-	TM26/PM21
m/p-cresol	-	-	-	**65.02** 52 : 113	-	**100.13** 52 : 113	-	-	TM26/PM21
o-cresol	-	-	-	**60.95** 33 : 131	-	**93.07** 33 : 131	-	-	TM26/PM21
Total Cresols	-	-	-	**63.66** 48 : 116	-	**97.78** 48 : 116	-	-	TM26/PM21
Xylenols	-	-	-	**74.97** 47 : 119	-	**99.05** 47 : 119	-	-	TM26/PM21
2,3,5-trimethyl phenol	-	-	-	**66.01** 41 : 128	-	**107.38** 41 : 128	-	-	TM26/PM21
2-isopropylphenol	-	-	-	**60.18** 32 : 128	-	**102.38** 32 : 128	-	-	TM26/PM21
Total, Free & Complex Cyanide	-	-	-	-	-	-	-	-	TM89/PM45
Total Organic Carbon	-	-	-	-	**82.6** 75 : 94	-	**87.0** 75 : 94	**87.0** 75 : 94	TM21/PM24
Loss on Ignition	**102.6** 77 : 115	**94.2** 77 : 115	-	-	-	-	-	-	TM22/PM0
pH (% recovery)	-	-	**100.55** 86 : 111	-	-	-	-	-	TM73/PM11

The figure in bold is the percentage recovery result for the AQC associated with the samples. The subscript numbers are the lower and upper control limits expressed as a percentage. The percentage recovery result for the AQC should be between these limits to be statistically in control.

Client Name: Worley Parsons
Reference: 305008-00018 51603-00
Location: TOTTENHAM MARSH
Contact: Philip Harrison

Report : **Solid**
Type: **AQC**

J E QC Job No.	05/75	05/75	05/75	05/75	05/75	05/75	05/75	05/75	
J E QC Sample No.	11	13	14	15	16	18	20	32	Method No.
QC Sample ID	QC 11	QC 13	QC 14	QC 15	QC 16	QC 18	QC 20	QC 32	
Arsenic	-	-	-	-	-	-	-	**113.75** 102.50 : 122.34	TM30/PM15
Barium	-	-	-	-	-	-	-	**94.41** 81.16 : 108.39	TM30/PM15
Cadmium	-	-	-	-	-	-	-	**104.35** 93.79 : 114.29	TM30/PM15
Chromium	-	-	-	-	-	-	-	**89.51** 79.03 : 103.82	TM30/PM15
Cobalt	-	-	-	-	-	-	-	**93.26** 85.19 : 108.96	TM30/PM15
Copper	-	-	-	-	-	-	-	**99.75** 89.43 : 110.92	TM30/PM15
Lead	-	-	-	-	-	-	-	**99.42** 81.59 : 110.09	TM30/PM15
Manganese	-	-	-	-	-	-	-	**106.85** 89.45 : 118.85	TM30/PM15
Mercury	-	-	-	-	-	-	-	**101.509** 74.09 : 114.34	TM30/PM15
Molybdenum	-	-	-	-	-	-	-	-	TM30/PM15
Nickel	-	-	-	-	-	-	-	**93.07** 84.70 : 107.31	TM30/PM15
Selenium	-	-	-	-	-	-	-	-	TM30/PM15
Total Sulphate	-	-	-	-	-	**94.09** 76 : 124	**120.80** 76 : 124	-	TM50/PM15
Water Soluble Boron	-	-	-	-	**106.32** 81.58 : 118.42	-	**95.79** 81.58 : 118.42	-	TM74/PM32
Zinc	-	-	-	-	-	-	-	**100.30** 85.78 : 121.17	TM30/PM15
PAH MS									
Naphthalene	-	-	-	-	-	**105.88** 85.13 : 125.25	**102.63** 85.13 : 125.25	-	TM4/PM8
Acenaphthylene	-	-	-	-	-	**103.00** 82.00 : 126.50	**101.63** 82.00 : 126.50	-	TM4/PM8
Acenaphthene	-	-	-	-	-	**101.63** 81.88 : 125.75	**101.38** 81.88 : 125.75	-	TM4/PM8
Fluorene	-	-	-	-	-	**104.25** 81.13 : 126.63	**105.88** 81.13 : 126.63	-	TM4/PM8
Phenanthrene	-	-	-	-	-	**106.25** 82.00 : 126.13	**99.88** 82.00 : 126.13	-	TM4/PM8
Anthracene	-	-	-	-	-	**105.63** 80.88 : 121.63	**100.88** 80.88 : 121.63	-	TM4/PM8
Fluoranthene	-	-	-	-	-	**106.00** 83.13 : 126.88	**100.50** 83.13 : 126.88	-	TM4/PM8
Pyrene	-	-	-	-	-	**105.00** 81.13 : 127.00	**99.50** 81.13 : 127.00	-	TM4/PM8
Benzo(a)anthracene	-	-	-	-	-	**110.75** 72.50 : 135.38	**102.63** 72.50 : 135.38	-	TM4/PM8
Chrysene	-	-	-	-	-	**101.25** 76.88 : 126.50	**110.25** 76.88 : 126.50	-	TM4/PM8
Benzo(bk)fluoranthene	-	-	-	-	-	**107.50** 79.63 : 130.13	**98.88** 79.63 : 130.13	-	TM4/PM8
Benzo(a)pyrene	-	-	-	-	-	**107.75** 81.75 : 125.50	**99.38** 81.75 : 125.50	-	TM4/PM8
Indeno(123cd)pyrene	-	-	-	-	-	**103.50** 79.25 : 125.75	**92.63** 79.25 : 125.75	-	TM4/PM8
Dibenzo(ah)anthracene	-	-	-	-	-	**106.38** 78.38 : 129.75	**92.63** 78.38 : 129.75	-	TM4/PM8
Benzo(ghi)perylene	-	-	-	-	-	**102.63** 83.00 : 125.00	**97.75** 83.00 : 125.00	-	TM4/PM8

The figure in bold is the percentage recovery result for the AQC associated with the samples. The subscript numbers are the lower and upper control limits expressed as a percentage. The percentage recovery result for the AQC should be between these limits to be statistically in control.

Client Name:	Worley Parsons	**Report :**	**Solid**
Reference:	305008-00018 51603-00	**Type:**	**AQC**
Location:	TOTTENHAM MARSH		
Contact:	Philip Harrison		

J E QC Job No.	05/75	05/75	05/75	05/75	05/75	05/75	05/75	05/75	
J E QC Sample No.	11	13	14	15	16	18	20	32	**Method No.**
QC Sample ID	QC 11	QC 13	QC 14	QC 15	QC 16	QC 18	QC 20	QC 32	
VOC MS									
Methyl Tertiary Butyl Ether	-	-	-	-	-	-	-	-	TM15/PM10
Chloromethane	-	-	-	-	-	-	-	-	TM15/PM10
Chloroethane	-	-	-	-	-	-	-	-	TM15/PM10
Trichlorofluoromethane	-	-	-	-	-	-	-	-	TM15/PM10
1,1-Dichloroethene (1,1 DCE)	-	-	-	-	-	-	-	-	TM15/PM10
Dichloromethane (DCM)	-	-	-	-	-	-	-	-	TM15/PM10
trans-1-2-Dichloroethene	-	-	-	-	-	-	-	-	TM15/PM10
1,1-Dichloroethane	-	-	-	-	-	-	-	-	TM15/PM10
cis-1-2-Dichloroethene	-	-	-	-	-	-	-	-	TM15/PM10
2,2-Dichloropropane	-	-	-	-	-	-	-	-	TM15/PM10
Bromochloromethane	-	-	-	-	-	-	-	-	TM15/PM10
Chloroform	-	-	-	-	-	-	-	-	TM15/PM10
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	TM15/PM10
1,1-Dichloropropene	-	-	-	-	-	-	-	-	TM15/PM10
Carbon tetrachloride	-	-	-	-	-	-	-	-	TM15/PM10
1,2-Dichloroethane	-	-	-	-	-	-	-	-	TM15/PM10
Benzene	-	-	-	-	-	-	-	-	TM15/PM10
Trichloroethene (TCE)	-	-	-	-	-	-	-	-	TM15/PM10
1,2-Dichloropropane	-	-	-	-	-	-	-	-	TM15/PM10
Dibromomethane	-	-	-	-	-	-	-	-	TM15/PM10
Bromodichloromethane	-	-	-	-	-	-	-	-	TM15/PM10
Toluene	-	-	-	-	-	-	-	-	TM15/PM10
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	TM15/PM10
Tetrachloroethene (PCE)	-	-	-	-	-	-	-	-	TM15/PM10
1,3-Dichloropropane	-	-	-	-	-	-	-	-	TM15/PM10
Dibromochloromethane	-	-	-	-	-	-	-	-	TM15/PM10
1,2-Dibromoethane	-	-	-	-	-	-	-	-	TM15/PM10
Chlorobenzene	-	-	-	-	-	-	-	-	TM15/PM10
1,1,1,2-Tetrachloroethane	-	-	-	-	-	-	-	-	TM15/PM10
Ethylbenzene	-	-	-	-	-	-	-	-	TM15/PM10
p/m-Xylene	-	-	-	-	-	-	-	-	TM15/PM10

The figure in bold is the percentage recovery result for the AQC associated with the samples. The subscript numbers are the lower and upper control limits expressed as a percentage. The percentage recovery result for the AQC should be between these limits to be statistically in control.

Client Name: Worley Parsons
Reference: 305008-00018 51603-00
Location: TOTTENHAM MARSH
Contact: Philip Harrison

Report : **Solid**
Type: **AQC**

J E QC Job No.	05/75	05/75	05/75	05/75	05/75	05/75	05/75	05/75	
J E QC Sample No.	11	13	14	15	16	18	20	32	**Method No.**
QC Sample ID	QC 11	QC 13	QC 14	QC 15	QC 16	QC 18	QC 20	QC 32	
o-Xylene	-	-	-	-	-	-	-	-	TM15/PM10
Styrene	-	-	-	-	-	-	-	-	TM15/PM10
Bromoform	-	-	-	-	-	-	-	-	TM15/PM10
Isopropylbenzene	-	-	-	-	-	-	-	-	TM15/PM10
1,1,2,2-Tetrachloroethane	-	-	-	-	-	-	-	-	TM15/PM10
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	TM15/PM10
Propylbenzene	-	-	-	-	-	-	-	-	TM15/PM10
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	TM15/PM10
4-Chlorotoluene	-	-	-	-	-	-	-	-	TM15/PM10
tert-Butylbenzene	-	-	-	-	-	-	-	-	TM15/PM10
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	TM15/PM10
sec-Butylbenzene	-	-	-	-	-	-	-	-	TM15/PM10
4-Isopropyltoluene	-	-	-	-	-	-	-	-	TM15/PM10
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	TM15/PM10
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	TM15/PM10
n-Butylbenzene	-	-	-	-	-	-	-	-	TM15/PM10
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	TM15/PM10
1,2-Dibromo-3-chloropropane	-	-	-	-	-	-	-	-	TM15/PM10
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	TM15/PM10
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	TM15/PM10
EPH (C8-C40)	**92** 70 : 116	-	-	-	-	-	-	-	TM5/PM8
TPH CWG									
Aliphatics									
EPH (C8-C40)	-	-	-	**84.36** :	-	-	-	-	TM5/PM8

The figure in bold is the percentage recovery result for the AQC associated with the samples. The subscript numbers are the lower and upper control limits expressed as a percentage. The percentage recovery result for the AQC should be between these limits to be statistically in control.

Client Name: Worley Parsons
Reference: 305008-00018 51603-00
Location: TOTTENHAM MARSH
Contact: Philip Harrison

Report : **Solid**
Type: **AQC**

J E QC Job No.	05/75	05/75	05/75	05/75	05/75	05/75	05/75	05/75	
J E QC Sample No.	11	13	14	15	16	18	20	32	**Method No.**
QC Sample ID	QC 11	QC 13	QC 14	QC 15	QC 16	QC 18	QC 20	QC 32	
GRO (>C4-C12)	-	-	**83** 53 : 132	-	-	-	-	-	TM36/PM12
MTBE	-	**95** 65 : 132	-	-	-	-	-	-	TM36/PM12
Benzene	-	**88** 63 : 129	-	-	-	-	-	-	TM36/PM12
Toluene	-	**85** 60 : 131	-	-	-	-	-	-	TM36/PM12
Ethylbenzene	-	**78** 52 : 138	-	-	-	-	-	-	TM36/PM12
m/p-Xylene	-	**83** 50 : 140	-	-	-	-	-	-	TM36/PM12
o-Xylene	-	**80** 52 : 143	-	-	-	-	-	-	TM36/PM12
>C5-C10	-	-	**73** 56 : 133	-	-	-	-	-	TM36/PM12
Phenol	-	-	-	-	-	-	-	-	TM26/PM21
m/p-cresol	-	-	-	-	-	-	-	-	TM26/PM21
o-cresol	-	-	-	-	-	-	-	-	TM26/PM21
Total Cresols	-	-	-	-	-	-	-	-	TM26/PM21
Xylenols	-	-	-	-	-	-	-	-	TM26/PM21
2,3,5-trimethyl phenol	-	-	-	-	-	-	-	-	TM26/PM21
2-isopropylphenol	-	-	-	-	-	-	-	-	TM26/PM21
Total, Free & Complex Cyanide	-	-	-	-	**109.70** 68 : 127	-	-	-	TM89/PM45
Total Organic Carbon	-	-	-	-	-	-	-	-	TM21/PM24
Loss on Ignition	-	-	-	-	-	-	-	-	TM22/PM0
pH (% recovery)	-	-	-	-	-	-	-	-	TM73/PM11

The figure in bold is the percentage recovery result for the AQC associated with the samples. The subscript numbers are the lower and upper control limits expressed as a percentage. The percentage recovery result for the AQC should be between these limits to be statistically in control.

Client Name: Worley Parsons
Reference: 305008-00018 51603-00
Location: TOTTENHAM MARSH
Contact: Philip Harrison

Report : **Solid**
Type: **AQC**

J E QC Job No.	05/75	05/75	05/75	05/76	05/76				
J E QC Sample No.	33	38	39	1	3				**Method No.**
QC Sample ID	QC 33	QC 38	QC 39	QC 1	QC 3				
Arsenic	-	**112.28** 102.50 : 122.34	-	-	-				TM30/PM15
Barium	-	**87.10** 81.16 : 108.39	-	-	-				TM30/PM15
Cadmium	-	**104.35** 93.79 : 114.29	-	-	-				TM30/PM15
Chromium	-	**86.45** 79.03 : 103.82	-	-	-				TM30/PM15
Cobalt	-	**93.48** 85.19 : 108.96	-	-	-				TM30/PM15
Copper	-	**94.67** 89.43 : 110.92	-	-	-				TM30/PM15
Lead	-	**98.04** 81.59 : 110.09	-	-	-				TM30/PM15
Manganese	-	**100.89** 89.45 : 118.85	-	-	-				TM30/PM15
Mercury	-	**106.164** 74.09 : 114.34	-	-	-				TM30/PM15
Molybdenum	**113.97** 106.56 : 132.57	-	**113.53** 106.56 : 132.57	-	-				TM30/PM15
Nickel	-	**92.31** 84.70 : 107.31	-	-	-				TM30/PM15
Selenium	**100.87** 90.63 : 132.45	-	**100.00** 90.63 : 132.45	-	-				TM30/PM15
Total Sulphate	-	-	-	-	-				TM50/PM15
Water Soluble Boron	-	-	-	-	-				TM74/PM32
Zinc	-	**100.18** 85.78 : 121.17	-	-	-				TM30/PM15
PAH MS									
Naphthalene	-	-	-	-	-				TM4/PM8
Acenaphthylene	-	-	-	-	-				TM4/PM8
Acenaphthene	-	-	-	-	-				TM4/PM8
Fluorene	-	-	-	-	-				TM4/PM8
Phenanthrene	-	-	-	-	-				TM4/PM8
Anthracene	-	-	-	-	-				TM4/PM8
Fluoranthene	-	-	-	-	-				TM4/PM8
Pyrene	-	-	-	-	-				TM4/PM8
Benzo(a)anthracene	-	-	-	-	-				TM4/PM8
Chrysene	-	-	-	-	-				TM4/PM8
Benzo(bk)fluoranthene	-	-	-	-	-				TM4/PM8
Benzo(a)pyrene	-	-	-	-	-				TM4/PM8
Indeno(123cd)pyrene	-	-	-	-	-				TM4/PM8
Dibenzo(ah)anthracene	-	-	-	-	-				TM4/PM8
Benzo(ghi)perylene	-	-	-	-	-				TM4/PM8

The figure in bold is the percentage recovery result for the AQC associated with the samples. The subscript numbers are the lower and upper control limits expressed as a percentage. The percentage recovery result for the AQC should be between these limits to be statistically in control.

Client Name: Worley Parsons
Reference: 305008-00018 51603-00
Location: TOTTENHAM MARSH
Contact: Philip Harrison

Report : **Solid**
Type: **AQC**

J E QC Job No.	05/75	05/75	05/75	05/76	05/76				
J E QC Sample No.	33	38	39	1	3				Method No.
QC Sample ID	QC 33	QC 38	QC 39	QC 1	QC 3				
VOC MS									
Methyl Tertiary Butyl Ether	-	-	-	-	-				TM15/PM10
Chloromethane	-	-	-	-	-				TM15/PM10
Chloroethane	-	-	-	-	-				TM15/PM10
Trichlorofluoromethane	-	-	-	-	-				TM15/PM10
1,1-Dichloroethene (1,1 DCE)	-	-	-	-	-				TM15/PM10
Dichloromethane (DCM)	-	-	-	-	-				TM15/PM10
trans-1-2-Dichloroethene	-	-	-	-	-				TM15/PM10
1,1-Dichloroethane	-	-	-	-	-				TM15/PM10
cis-1-2-Dichloroethene	-	-	-	-	-				TM15/PM10
2,2-Dichloropropane	-	-	-	-	-				TM15/PM10
Bromochloromethane	-	-	-	-	-				TM15/PM10
Chloroform	-	-	-	-	-				TM15/PM10
1,1,1-Trichloroethane	-	-	-	-	-				TM15/PM10
1,1-Dichloropropene	-	-	-	-	-				TM15/PM10
Carbon tetrachloride	-	-	-	-	-				TM15/PM10
1,2-Dichloroethane	-	-	-	-	-				TM15/PM10
Benzene	-	-	-	-	-				TM15/PM10
Trichloroethene (TCE)	-	-	-	-	-				TM15/PM10
1,2-Dichloropropane	-	-	-	-	-				TM15/PM10
Dibromomethane	-	-	-	-	-				TM15/PM10
Bromodichloromethane	-	-	-	-	-				TM15/PM10
Toluene	-	-	-	-	-				TM15/PM10
1,1,2-Trichloroethane	-	-	-	-	-				TM15/PM10
Tetrachloroethene (PCE)	-	-	-	-	-				TM15/PM10
1,3-Dichloropropane	-	-	-	-	-				TM15/PM10
Dibromochloromethane	-	-	-	-	-				TM15/PM10
1,2-Dibromoethane	-	-	-	-	-				TM15/PM10
Chlorobenzene	-	-	-	-	-				TM15/PM10
1,1,1,2-Tetrachloroethane	-	-	-	-	-				TM15/PM10
Ethylbenzene	-	-	-	-	-				TM15/PM10
p/m-Xylene	-	-	-	-	-				TM15/PM10

The figure in bold is the percentage recovery result for the AQC associated with the samples. The subscript numbers are the lower and upper control limits expressed as a percentage. The percentage recovery result for the AQC should be between these limits to be statistically in control.

Client Name: Worley Parsons
Reference: 305008-00018 51603-00
Location: TOTTENHAM MARSH
Contact: Philip Harrison

Report : **Solid**
Type: **AQC**

J E QC Job No.	05/75	05/75	05/75	05/76	05/76				
J E QC Sample No.	33	38	39	1	3				**Method No.**
QC Sample ID	QC 33	QC 38	QC 39	QC 1	QC 3				
o-Xylene	-	-	-	-	-				TM15/PM10
Styrene	-	-	-	-	-				TM15/PM10
Bromoform	-	-	-	-	-				TM15/PM10
Isopropylbenzene	-	-	-	-	-				TM15/PM10
1,1,2,2-Tetrachloroethane	-	-	-	-	-				TM15/PM10
1,2,3-Trichloropropane	-	-	-	-	-				TM15/PM10
Propylbenzene	-	-	-	-	-				TM15/PM10
1,3,5-Trimethylbenzene	-	-	-	-	-				TM15/PM10
4-Chlorotoluene	-	-	-	-	-				TM15/PM10
tert-Butylbenzene	-	-	-	-	-				TM15/PM10
1,2,4-Trimethylbenzene	-	-	-	-	-				TM15/PM10
sec-Butylbenzene	-	-	-	-	-				TM15/PM10
4-Isopropyltoluene	-	-	-	-	-				TM15/PM10
1,3-Dichlorobenzene	-	-	-	-	-				TM15/PM10
1,4-Dichlorobenzene	-	-	-	-	-				TM15/PM10
n-Butylbenzene	-	-	-	-	-				TM15/PM10
1,2-Dichlorobenzene	-	-	-	-	-				TM15/PM10
1,2-Dibromo-3-chloropropane	-	-	-	-	-				TM15/PM10
1,2,4-Trichlorobenzene	-	-	-	-	-				TM15/PM10
1,2,3-Trichlorobenzene	-	-	-	-	-				TM15/PM10
EPH (C8-C40)	-	-	-	-	-				TM5/PM8
TPH CWG									
Aliphatics									
EPH (C8-C40)	-	-	-	-	-				TM5/PM8

The figure in bold is the percentage recovery result for the AQC associated with the samples. The subscript numbers are the lower and upper control limits expressed as a percentage. The percentage recovery result for the AQC should be between these limits to be statistically in control.

Client Name: Worley Parsons
Reference: 305008-00018 51603-00
Location: TOTTENHAM MARSH
Contact: Philip Harrison

Report : **Solid**
Type: **AQC**

J E QC Job No.	05/75	05/75	05/75	05/76	05/76				
J E QC Sample No.	33	38	39	1	3				**Method No.**
QC Sample ID	QC 33	QC 38	QC 39	QC 1	QC 3				
GRO (>C4-C12)	-	-	-	-	-				TM36/PM12
MTBE	-	-	-	-	-				TM36/PM12
Benzene	-	-	-	-	-				TM36/PM12
Toluene	-	-	-	-	-				TM36/PM12
Ethylbenzene	-	-	-	-	-				TM36/PM12
m/p-Xylene	-	-	-	-	-				TM36/PM12
o-Xylene	-	-	-	-	-				TM36/PM12
>C5-C10	-	-	-	-	-				TM36/PM12
Phenol	-	-	-	-	-				TM26/PM21
m/p-cresol	-	-	-	-	-				TM26/PM21
o-cresol	-	-	-	-	-				TM26/PM21
Total Cresols	-	-	-	-	-				TM26/PM21
Xylenols	-	-	-	-	-				TM26/PM21
2,3,5-trimethyl phenol	-	-	-	-	-				TM26/PM21
2-isopropylphenol	-	-	-	-	-				TM26/PM21
Total, Free & Complex Cyanide	-	-	-	-	-				TM89/PM45
Total Organic Carbon	-	-	-	**91.3** 75 : 94	-				TM21/PM24
Loss on Ignition	-	-	-	-	**74.6** 77 : 115				TM22/PM0
pH (% recovery)	-	-	-	-	-				TM73/PM11

The figure in bold is the percentage recovery result for the AQC associated with the samples. The subscript numbers are the lower and upper control limits expressed as a percentage. The percentage recovery result for the AQC should be between these limits to be statistically in control.

Client Name: Worley Parsons
Reference: 305008-00018 51603-00
Location: TOTTENHAM MARSH
Contact: Philip Harrison

Report : **Liquid**
Type: **AQC**

J E QC Job No.	06/75	06/75	06/75	06/75	06/75	06/75	06/75	06/75	
J E QC Sample No.	16	20	21	23	25	35	37	38	Method No.
QC Sample ID	QC 16	QC 20	QC 21	QC 23	QC 25	QC 35	QC 37	QC 38	
PAH MS									
Naphthalene	-	-	-	-	**94.57** 44.62 : 117.72	-	-	-	TM4/PM30
Acenaphthylene	-	-	-	-	**82.04** 42.66 : 120.50	-	-	-	TM4/PM30
Acenaphthene	-	-	-	-	**86.56** 44.52 : 117.81	-	-	-	TM4/PM30
Fluorene	-	-	-	-	**82.98** 42.81 : 117.49	-	-	-	TM4/PM30
Phenanthrene	-	-	-	-	**84.05** 46.13 : 118.70	-	-	-	TM4/PM30
Anthracene	-	-	-	-	**84.38** 46.61 : 115.64	-	-	-	TM4/PM30
Fluoranthene	-	-	-	-	**79.15** 42.64 : 115.97	-	-	-	TM4/PM30
Pyrene	-	-	-	-	**77.07** 41.94 : 112.90	-	-	-	TM4/PM30
Benzo(a)anthracene	-	-	-	-	**91.88** 44.56 : 123.39	-	-	-	TM4/PM30
Chrysene	-	-	-	-	**91.22** 44.52 : 117.61	-	-	-	TM4/PM30
Benzo(bk)fluoranthene	-	-	-	-	**89.93** 36.44 : 125.67	-	-	-	TM4/PM30
Benzo(a)pyrene	-	-	-	-	**90.47** 37.09 : 126.04	-	-	-	TM4/PM30
Indeno(123cd)pyrene	-	-	-	-	**94.40** 39.01 : 123.20	-	-	-	TM4/PM30
Dibenzo(ah)anthracene	-	-	-	-	**87.07** 21.13 : 95.42	-	-	-	TM4/PM30
Benzo(ghi)perylene	-	-	-	-	**74.01** 34.05 : 112.95	-	-	-	TM4/PM30

The figure in bold is the percentage recovery result for the AQC associated with the samples. The subscript numbers are the lower and upper control limits expressed as a percentage. The percentage recovery result for the AQC should be between these limits to be statistically in control.

Client Name: Worley Parsons
Reference: 305008-00018 51603-00
Location: TOTTENHAM MARSH
Contact: Philip Harrison

Report : **Liquid**
Type: **AQC**

J E QC Job No.	06/75	06/75	06/75	06/75	06/75	06/75	06/75	06/75	
J E QC Sample No.	16	20	21	23	25	35	37	38	Method No.
QC Sample ID	QC 16	QC 20	QC 21	QC 23	QC 25	QC 35	QC 37	QC 38	
VOC MS									
Methyl Tertiary Butyl Ether	-	-	-	-	-	**92.98** 57.73 : 140.00	-	-	TM15/PM10
Chloromethane	-	-	-	-	-	**87.50** 54.23 : 144.84	-	-	TM15/PM10
Chloroethane	-	-	-	-	-	**95.96** 67.36 : 124.26	-	-	TM15/PM10
Trichlorofluoromethane	-	-	-	-	-	**89.80** 74.07 : 123.40	-	-	TM15/PM10
1,1-Dichloroethene (1,1 DCE)	-	-	-	-	-	**89.06** 68.69 : 120.31	-	-	TM15/PM10
Dichloromethane (DCM)	-	-	-	-	-	**93.82** 70.62 : 123.55	-	-	TM15/PM10
trans-1-2-Dichloroethene	-	-	-	-	-	**90.48** 71.16 : 118.34	-	-	TM15/PM10
1,1-Dichloroethane	-	-	-	-	-	**90.12** 71.44 : 119.49	-	-	TM15/PM10
cis-1-2-Dichloroethene	-	-	-	-	-	**90.63** 72.56 : 116.04	-	-	TM15/PM10
Bromochloromethane	-	-	-	-	-	**91.18** 75.34 : 121.37	-	-	TM15/PM10
Chloroform	-	-	-	-	-	**91.09** 76.39 : 118.08	-	-	TM15/PM10
1,1,1-Trichloroethane	-	-	-	-	-	**84.11** 75.95 : 115.86	-	-	TM15/PM10
1,1-Dichloropropene	-	-	-	-	-	**90.14** 71.30 : 116.65	-	-	TM15/PM10
Carbon tetrachloride	-	-	-	-	-	**86.66** 70.98 : 126.82	-	-	TM15/PM10
1,2-Dichloroethane	-	-	-	-	-	**94.95** 76.77 : 121.51	-	-	TM15/PM10
Benzene	-	-	-	-	-	**99.21** 75.91 : 116.02	-	-	TM15/PM10
Trichloroethene (TCE)	-	-	-	-	-	**92.33** 76.71 : 122.61	-	-	TM15/PM10
1,2-Dichloropropane	-	-	-	-	-	**92.51** 71.76 : 117.59	-	-	TM15/PM10
Dibromomethane	-	-	-	-	-	**94.46** 75.19 : 128.88	-	-	TM15/PM10
Bromodichloromethane	-	-	-	-	-	**90.59** 76.25 : 118.04	-	-	TM15/PM10
Toluene	-	-	-	-	-	**99.88** 75.39 : 115.14	-	-	TM15/PM10
1,1,2-Trichloroethane	-	-	-	-	-	**98.38** 75.70 : 122.00	-	-	TM15/PM10
Tetrachloroethene (PCE)	-	-	-	-	-	**91.75** 75.03 : 122.30	-	-	TM15/PM10
1,3-Dichloropropane	-	-	-	-	-	**97.32** 72.82 : 123.58	-	-	TM15/PM10
Dibromochloromethane	-	-	-	-	-	**92.08** 72.49 : 131.11	-	-	TM15/PM10
1,2-Dibromoethane	-	-	-	-	-	**95.87** 74.54 : 123.25	-	-	TM15/PM10
Chlorobenzene	-	-	-	-	-	**99.73** 79.23 : 115.18	-	-	TM15/PM10
1,1,1,2-Tetrachloroethane	-	-	-	-	-	**95.20** 80.58 : 124.35	-	-	TM15/PM10
Ethylbenzene	-	-	-	-	-	**112.63** 75.46 : 116.33	-	-	TM15/PM10
p/m-Xylene	-	-	-	-	-	**108.40** 76.09 : 117.11	-	-	TM15/PM10
o-Xylene	-	-	-	-	-	**109.47** 78.91 : 118.20	-	-	TM15/PM10

The figure in bold is the percentage recovery result for the AQC associated with the samples. The subscript numbers are the lower and upper control limits expressed as a percentage. The percentage recovery result for the AQC should be between these limits to be statistically in control.

Client Name: Worley Parsons
Reference: 305008-00018 51603-00
Location: TOTTENHAM MARSH
Contact: Philip Harrison

Report : **Liquid**
Type: **AQC**

J E QC Job No.	06/75	06/75	06/75	06/75	06/75	06/75	06/75	06/75	
J E QC Sample No.	16	20	21	23	25	35	37	38	Method No.
QC Sample ID	QC 16	QC 20	QC 21	QC 23	QC 25	QC 35	QC 37	QC 38	
Styrene	-	-	-	-	-	**102.95** 61.59 : 150.44	-	-	TM15/PM10
Bromoform	-	-	-	-	-	**101.63** 72.99 : 135.07	-	-	TM15/PM10
Isopropylbenzene	-	-	-	-	-	**101.98** 77.50 : 120.59	-	-	TM15/PM10
Bromobenzene	-	-	-	-	-	**112.40** 75.14 : 126.30	-	-	TM15/PM10
1,2,3-Trichloropropane	-	-	-	-	-	**112.10** 81.43 : 131.79	-	-	TM15/PM10
Propylbenzene	-	-	-	-	-	**101.03** 75.22 : 121.68	-	-	TM15/PM10
2-Chlorotoluene	-	-	-	-	-	**102.54** 78.98 : 120.71	-	-	TM15/PM10
1,3,5-Trimethylbenzene	-	-	-	-	-	**101.34** 82.24 : 125.72	-	-	TM15/PM10
4-Chlorotoluene	-	-	-	-	-	**117.12** 76.18 : 124.56	-	-	TM15/PM10
tert-Butylbenzene	-	-	-	-	-	**118.53** 74.06 : 135.20	-	-	TM15/PM10
1,2,4-Trimethylbenzene	-	-	-	-	-	**122.86** 82.68 : 126.68	-	-	TM15/PM10
sec-Butylbenzene	-	-	-	-	-	**113.30** 81.02 : 128.81	-	-	TM15/PM10
4-Isopropyltoluene	-	-	-	-	-	**121.13** 80.46 : 133.00	-	-	TM15/PM10
1,3-Dichlorobenzene	-	-	-	-	-	**111.71** 85.94 : 126.45	-	-	TM15/PM10
1,4-Dichlorobenzene	-	-	-	-	-	**117.91** 87.88 : 129.22	-	-	TM15/PM10
n-Butylbenzene	-	-	-	-	-	**116.96** 75.29 : 137.17	-	-	TM15/PM10
1,2-Dichlorobenzene	-	-	-	-	-	**129.29** 91.99 : 133.66	-	-	TM15/PM10
EPH (C8-C40)	-	-	-	**89.69** 71 : 129	-	-	-	-	TM5/PM30
Total, Free & Complex Cyanide	**107.3000** 77.15 : 137.35	-	-	-	-	-	-	-	TM89/PM0
Ammoniacal Nitrogen as NH4 (High)	-	-	-	-	-	-	-	**101.07** 86 : 114	TM38/PM0
Ammoniacal Nitrogen as NH4 (Low)	-	-	-	-	-	-	**98.00** 84 : 134	-	TM38/PM0
Inorganic Carbon (50 mg/l)	-	**104** 93 : 114	-	-	-	-	-	-	TM60/PM0
Organic Carbon (50 mg/l)	-	**102** 90 : 109	-	-	-	-	-	-	TM60/PM0
Inorganic Carbon (150 mg/l)	-	-	**103** 90 : 110	-	-	-	-	-	TM60/PM0
Organic Carbon (150 mg/l)	-	-	**99** 88 : 105	-	-	-	-	-	TM60/PM0

The figure in bold is the percentage recovery result for the AQC associated with the samples. The subscript numbers are the lower and upper control limits expressed as a percentage. The percentage recovery result for the AQC should be between these limits to be statistically in control.

Client Name: Worley Parsons
Reference: 305008-00018 51603-00
Location: TOTTENHAM MARSH
Contact: Philip Harrison

Report Type: **Solid** **BLANK**

J E QC Job No.	05/75	05/75	05/75	05/75	05/75	05/75	05/75				LOD	Units	Method No.
J E QC Sample No.	12	14	15	17	19	31	37						
QC Sample ID	QC 12	QC 14	QC 15	QC 17	QC 19	QC 31	QC 37						
Arsenic	-	-	-	-	-	<0.5	<0.5				<0.5	mg/kg	TM30/PM15
Barium	-	-	-	-	-	<1	<1				<1	mg/kg	TM30/PM15
Cadmium	-	-	-	-	-	<0.1	<0.1				<0.1	mg/kg	TM30/PM15
Chromium	-	-	-	-	-	<0.5	<0.5				<0.5	mg/kg	TM30/PM15
Cobalt	-	-	-	-	-	<0.5	<0.5				<0.5	mg/kg	TM30/PM15
Copper	-	-	-	-	-	<1	<1				<1	mg/kg	TM30/PM15
Lead	-	-	-	-	-	<5	<5				<5	mg/kg	TM30/PM15
Manganese	-	-	-	-	-	<1	<1				<1	mg/kg	TM30/PM15
Mercury	-	-	-	-	-	<0.1	<0.1				<0.1	mg/kg	TM30/PM15
Molybdenum	-	-	-	-	-	<0.1	<0.1				<0.1	mg/kg	TM30/PM15
Nickel	-	-	-	-	-	<0.7	<0.7				<0.7	mg/kg	TM30/PM15
Selenium	-	-	-	-	-	<1	<1				<1	mg/kg	TM30/PM15
Total Sulphate	-	-	-	<50	<50	-	-				<50	mg/kg	TM50/PM15
Water Soluble Boron	-	-	<0.1	-	<0.1	-	-				<0.1	mg/kg	TM74/PM32
Zinc	-	-	-	-	-	<5	<5				<5	mg/kg	TM30/PM15
EPH (C8-C40)	<30	-	-	-	-	-	-				<30	mg/kg	TM5/PM8
TPH CWG													
Aliphatics													
EPH (C8-C40)	-	<30	-	-	-	-	-				<30	mg/kg	TM5/PM8

Where analysis is blank corrected, blank data, although available, is not routinely supplied.

Jones Environmental Laboratory

Client Name: Worley Parsons
Reference: 305008-00018 51603-00
Location: TOTTENHAM MARSH
Contact: Philip Harrison

Report Type: **Liquid BLANK**

J E QC Job No.	06/75	06/75	06/75								LOD	Units	Method No.
J E QC Sample No.	19	24	39										
QC Sample ID	QC 19	QC 24	QC 39										
EPH (C8-C40)	-	<0.01	-								<0.01	mg/l	TM5/PM30
Ammoniacal Nitrogen as NH4	-	-	<0.03								<0.03	mg/l	TM38/PM0
Inorganic Carbon	<2	-	-								<2	mg/l	TM60/PM0
Organic Carbon	<2	-	-								<2	mg/l	TM60/PM0

Where analysis is blank corrected, blank data, although available, is not routinely supplied.

Client Name: Worley Parsons

Reference: 305008-00018 51603-00

Location: TOTTENHAM MARSH

Contact: Philip Harrison

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	NDP Reason
13/4457	1	07BH8/3090513SO3.5-3.7	3.5-3.7	22-24	Oily sample unsuitable for this test

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 13/4457

SOILS

Please note we are only MCERTS accredited for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary. If we are instructed to keep samples, a storage charge of £1 (1.5 Euros) per sample per month will be applied until we are asked to dispose of them.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

WATERS

Please note we are not a Drinking Water Inspectorate (DWI) Approved Laboratory . It is important that detection limits are carefully considered when requesting water analysis.

UKAS accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

NOTE

Data is only accredited when all the requirements of our Quality System have been met. In certain circumstances where the requirements have not been met, the laboratory may issue the data in an interim report but will remove the accreditation, in this instance results should be considered indicative only. Where possible samples will be re-extracted and a final report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

ABBREVIATIONS and ACRONYMS USED

#	UKAS accredited.
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance.
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
++	Result outside calibration range, results should be considered as indicative only and are not accredited.
*	Analysis subcontracted to a Jones Environmental approved laboratory.
CO	Suspected carry over
OC	Outside Calibration Range
NFD	No Fibres Detected

JE Job No 13/4457

Test Method No.	Description	Prep Method No. (if appropriate)	Description	UKAS	MCERTS (soils only)	Analysis done on As Received (AR) or Air Dried (AD)	Solid Results expressed on Dry/Wet basis
PM4	Moisture Content	PM0	No Preparation				
PM4	Moisture Content	PM0	No Preparation				WET
TM4	16 PAH by GC-MS, modified USEPA 8270	PM30	Magnetic stirrer extraction			AR	
TM4	16 PAH by GC-MS, modified USEPA 8270	PM30	Magnetic stirrer extraction			AR	WET
TM4	16 PAH by GC-MS, modified USEPA 8270	PM8	End Over End extraction			AR	DRY
TM4	16 PAH by GC-MS, modified USEPA 8270	PM8	End Over End extraction	Yes		AR	DRY
TM4	16 PAH by GC-MS, modified USEPA 8270	PM8	End Over End extraction			AR	
TM5	EPH by GC-FID, modified USEPA 8015	PM16	Aliphatic/Aromatic fractionation	Yes		AR	DRY
TM5	EPH by GC-FID, modified USEPA 8015	PM30	Magnetic stirrer extraction			AR	WET
TM5	EPH by GC-FID, modified USEPA 8015	PM8	End Over End extraction	Yes		AR	DRY
TM5/TM36	TPH CWG by GC-FID	PM12/PM16	CWG GC-FID			AR	DRY
TM5/TM36	TPH CWG by GC-FID	PM12/PM16	CWG GC-FID	Yes		AR	DRY
PM13	Soil Typing for MCERTS	PM0	No Preparation			AR	
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS			AR	DRY
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS	Yes		AR	DRY
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS			AR	
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS			AR	WET
TM21	TOC and TC by Combustion	PM24	Eltra preparation			AD	DRY
TM22	Loss on Ignition (LOI) - gravimetric	PM0	No Preparation	Yes		AD	DRY
TM26	Phenols by HPLC	PM0	No Preparation			AR	WET
TM26	Phenols by HPLC	PM21	Methanol : NaOH extraction			AR	DRY
TM26	Phenols by HPLC	PM21	Methanol : NaOH extraction	Yes		AR	DRY
TM27	SO4,Cl,NO3,NO2,F,PO4 by Dionex	PM0	No Preparation			AR	WET
TM30	Metals by ICP-OES	PM14	Metals by ICP (Waters)			AR	WET
TM30	Metals by ICP-OES	PM15	Aqua Regia extraction (Soils)	Yes		AD	DRY
TM36	GRO by Headspace GC-FID	PM12	GRO GC-FID			AR	DRY
TM36	GRO by Headspace GC-FID	PM12	GRO GC-FID	Yes		AR	DRY
TM38	SO4,Cl,NO3,NO2,F,PO4, Amm N2,ThioCN, Hex Cr by Aquakem	PM0	No Preparation			AR	WET
TM38	SO4,Cl,NO3,NO2,F,PO4, Amm N2,ThioCN, Hex Cr by Aquakem	PM20	1:2 soil to water extraction	Yes		AD	DRY
TM38	SO4,Cl,NO3,NO2,F,PO4, Amm N2,ThioCN, Hex Cr by Aquakem	PM20	1:2 soil to water extraction			AR	DRY
TM50	Total Sulphate by ICP-OES	PM15	Aqua Regia extraction (Soils)	Yes		AD	DRY
TM60	TOC/DOC by NDIR	PM0	No Preparation			AR	WET
TM61	Mercury - low level CVAF	PM38	Mercury CVAF			AR	WET
TM73	pH in by Metrohm	PM0	No Preparation			AR	WET
TM73	pH in by Metrohm	PM11	1:2.5 soil/water extraction	Yes		AR	WET
TM74	Water Soluble Boron by ICP-OES	PM32	Preparation of soils for WSB	Yes		AD	DRY
TM76	Electrical Conductivity by Metrohm	PM0	No Preparation			AR	WET
TM89	Cyanide by FIA	PM0	No Preparation			AR	WET
TM89	Cyanide by FIA	PM45	Cyanide & Thiocyanate prep for soils			AR	DRY
TM89	Cyanide by FIA	PM45	Cyanide & Thiocyanate prep for soils	Yes		AR	DRY
TM106	Sulphide by CFA	PM0	No Preparation			AR	WET
TM107	Thiocyanate by CFA	PM0	No Preparation			AR	WET
TM107	Thiocyanate by CFA	PM45	Cyanide & Thiocyanate prep for soils			AR	DRY

JE Job No 13/4457

Test Method No.	Description	Prep Method No. (if appropriate)	Description	UKAS	MCERTS (soils only)	Analysis done on As Received (AR) or Air Dried (AD)	Solid Results expressed on Dry/Wet basis
TM108	Elemental Sulphur by HPLC	PM8	End Over End extraction			AR	DRY

Jones Environmental Laboratory

Unit 3 Deeside Point
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Worley Parsons
27 Great West Rd
Brentford
TW8 9BW

No.4225

Attention :	Philip Harrison
Date :	29th May, 2013
Your reference :	305008-00018-51603-00
Our reference :	Test Report 13/4622 Batch 1
Location :	TOTTENHAM MARSH
Date samples received :	17th May, 2013
Status :	Final report
Issue :	1

Three samples were received for analysis on 17th May, 2013. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Paul Lee-Boden B.Sc
Project Manager

Bob Millward B.Sc
Principal Chemist

Jones Environmental Laboratory

Client Name: Worley Parsons

Reference: 305008-00018-51603-00

Location: TOTTENHAM MARSH

Contact: Philip Harrison

JE Job No.: 13/4622

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

Please see attached notes for all abbreviations and acronyms

J E Sample No.	1-3	4-9	10-15								LOD	Units	Method No.
Sample ID	01BH9/1100513SO2.5-2.7	02BH9/2.0100513SO1.9-2.0	03BH9/3100513SO3.2-3.4										
Depth	2.5-2.7	1.9-2.0	3.2-3.4										
COC No / misc													
Containers	V J T	V J T	V J T										
Sample Date	10/05/2013	10/05/2013	10/05/2013										
Sample Type	Soil	Soil	Soil										
Batch Number	1	1	1										
Date of Receipt	17/05/2013	17/05/2013	17/05/2013										
Arsenic #	67.7	-	7.9								<0.5	mg/kg	TM30/PM15
Cadmium #	0.9	-	0.1								<0.1	mg/kg	TM30/PM15
Chromium #	33.0	-	9.2								<0.5	mg/kg	TM30/PM15
Copper #	25	-	8								<1	mg/kg	TM30/PM15
Lead #	11	-	11								<5	mg/kg	TM30/PM15
Mercury #	<0.1	-	<0.1								<0.1	mg/kg	TM30/PM15
Nickel #	64.2	-	12.4								<0.7	mg/kg	TM30/PM15
Selenium #	8	-	<1								<1	mg/kg	TM30/PM15
Total Sulphate #	-	956	-								<50	mg/kg	TM50/PM15
Water Soluble Boron #	12.8	-	0.7								<0.1	mg/kg	TM74/PM32
Zinc #	57	-	14								<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene #	<0.04	-	<0.04								<0.04	mg/kg	TM4/PM8
Acenaphthylene	0.64	-	4.05								<0.03	mg/kg	TM4/PM8
Acenaphthene #	3.93	-	15.07								<0.05	mg/kg	TM4/PM8
Fluorene #	0.16	-	2.34								<0.04	mg/kg	TM4/PM8
Phenanthrene #	0.45	-	2.39								<0.03	mg/kg	TM4/PM8
Anthracene #	0.64	-	6.67								<0.04	mg/kg	TM4/PM8
Fluoranthene #	2.31	-	14.73								<0.03	mg/kg	TM4/PM8
Pyrene #	3.27	-	20.64								<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	1.17	-	7.35								<0.06	mg/kg	TM4/PM8
Chrysene #	0.90	-	6.18								<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	0.93	-	6.14								<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	0.64	-	5.48								<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #	0.35	-	2.37								<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	<0.04	-	0.49								<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	0.35	-	2.33								<0.04	mg/kg	TM4/PM8
PAH 16 Total	15.7	-	96.2								<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	0.67	-	4.42								<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	0.26	-	1.72								<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	111	-	101								<0	%	TM4/PM8
Methyl Tertiary Butyl Ether #	<0.002	-	<0.002								<0.002	mg/kg	TM15/PM10
Benzene #	<0.003	-	<0.003								<0.003	mg/kg	TM15/PM10
Toluene #	<0.003	-	<0.003								<0.003	mg/kg	TM15/PM10
Ethylbenzene #	<0.003	-	<0.003								<0.003	mg/kg	TM15/PM10
p/m-Xylene #	<0.006	-	<0.006								<0.006	mg/kg	TM15/PM10
o-Xylene #	<0.003	-	<0.003								<0.003	mg/kg	TM15/PM10
Surrogate Recovery Toluene D8	101	-	74								<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	82	-	54								<0	%	TM15/PM10
EPH (C8-C40) #	4819	-	25365++								<30	mg/kg	TM5/PM8

Client Name: Worley Parsons

Reference: 305008-00018-51603-00

Location: TOTTENHAM MARSH

Contact: Philip Harrison

JE Job No.: 13/4622

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

Please see attached notes for all abbreviations and acronyms

J E Sample No.	1-3	4-9	10-15								LOD	Units	Method No.
Sample ID	01BH9/1100513SO2.5-2.7	02BH9/2.0100513SO1.9-2.0	03BH9/3100513SO3.2-3.4										
Depth	2.5-2.7	1.9-2.0	3.2-3.4										
COC No / misc													
Containers	V J T	V J T	V J T										
Sample Date	10/05/2013	10/05/2013	10/05/2013										
Sample Type	Soil	Soil	Soil										
Batch Number	1	1	1										
Date of Receipt	17/05/2013	17/05/2013	17/05/2013										
TPH CWG													
Aliphatics													
>C5-C6 #	-	-	<0.1								<0.1	mg/kg	TM36/PM12
>C6-C8 #	-	-	0.2								<0.1	mg/kg	TM36/PM12
>C8-C10	-	-	4.5								<0.1	mg/kg	TM36/PM12
>C10-C12 #	-	-	178.5								<0.2	mg/kg	TM5/PM16
>C12-C16 #	-	-	2323								<4	mg/kg	TM5/PM16
>C16-C21 #	-	-	2402								<7	mg/kg	TM5/PM16
>C21-C35 #	-	-	785								<7	mg/kg	TM5/PM16
Total aliphatics C5-35	-	-	5693								<19	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics C5-C12	-	-	183.2								<0.5	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics >C12-C35 #	-	-	5510+								<18	mg/kg	TM5/TM36/PM12/PM16
Aromatics													
>C5-EC7	-	-	<0.1								<0.1	mg/kg	TM36/PM12
>EC7-EC8	-	-	<0.1								<0.1	mg/kg	TM36/PM12
>EC8-EC10 #	-	-	0.2								<0.1	mg/kg	TM36/PM12
>EC10-EC12 #	-	-	30.1								<0.2	mg/kg	TM5/PM16
>EC12-EC16 #	-	-	951								<4	mg/kg	TM5/PM16
>EC16-EC21 #	-	-	1788								<7	mg/kg	TM5/PM16
>EC21-EC35 #	-	-	830								<7	mg/kg	TM5/PM16
Total aromatics C5-35	-	-	3599								<19	mg/kg	TM5/TM36/PM12/PM16
Total aromatics C5-C12	-	-	30.3								<0.5	mg/kg	TM5/TM36/PM12/PM16
Total aromatics >EC12-EC35 #	-	-	3569								<18	mg/kg	TM5/TM36/PM12/PM16
Total aliphatics and aromatics(C5-35)	-	-	9292								<38	mg/kg	TM5/TM36/PM12/PM16
Resorcinol	<0.50	-	<0.10								<0.01	mg/kg	TM26/PM21
Catechol	<0.50	-	<0.10								<0.01	mg/kg	TM26/PM21
Phenol #	<0.50	-	<0.10								<0.01	mg/kg	TM26/PM21
m/p-cresol #	<1.00	-	<0.20								<0.02	mg/kg	TM26/PM21
o-cresol #	<0.50	-	<0.10								<0.01	mg/kg	TM26/PM21
Total cresols #	<1.50	-	<0.30								<0.03	mg/kg	TM26/PM21
Xylenols #	<3.00	-	<0.60								<0.06	mg/kg	TM26/PM21
1-naphthol	<0.50	-	<0.10								<0.01	mg/kg	TM26/PM21
2,3,5-trimethyl phenol #	<0.50	-	<0.10								<0.01	mg/kg	TM26/PM21
2-isopropylphenol #	<0.50	-	<0.10								<0.01	mg/kg	TM26/PM21
Total Speciated Phenols HPLC	<7.50	-	<1.50								<0.15	mg/kg	TM26/PM21
Natural Moisture Content	165.8	-	18.4								<0.1	%	PM4/PM0
Stone Content >= 10mm	<0.1	-	63.0								<0.1	%	PM4/PM0
Ammoniacal Nitrogen as NH4	2.4	-	<0.6								<0.6	mg/kg	TM38/PM20
Chloride #	840	27	55								<2	mg/kg	TM38/PM20
Sulphate as SO4 (2:1 Ext) #	1.5660	-	0.0992								<0.0015	g/l	TM38/PM20

Jones Environmental Laboratory

Client Name:	Worley Parsons
Reference:	305008-00018-51603-00
Location:	TOTTENHAM MARSH
Contact:	Philip Harrison
JE Job No.:	13/4622

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

J E Sample No.	1-3	4-9	10-15									
Sample ID	01BH9/1100513SO2.5-2.7	02BH9/2.0100513SO1.9-2.0	03BH9/3100513SO3.2-3.4									
Depth	2.5-2.7	1.9-2.0	3.2-3.4									
COC No / misc												
Containers	V J T	V J T	V J T									
Sample Date	10/05/2013	10/05/2013	10/05/2013									
Sample Type	Soil	Soil	Soil									
Batch Number	1	1	1									
Date of Receipt	17/05/2013	17/05/2013	17/05/2013									

Please see attached notes for all abbreviations and acronyms

											LOD	Units	Method No.
Free Cyanide	<0.5	-	<0.5								<0.5	mg/kg	TM89/PM45
Total Cyanide #	<0.5	-	<0.5								<0.5	mg/kg	TM89/PM45
Complex Cyanide	<0.5	-	<0.5								<0.5	mg/kg	TM89/PM45
Fraction Organic Carbon	0.154	-	0.007								<0.001	None	TM21/PM24
Thiocyanate	7.2	-	1.9								<0.6	mg/kg	TM107/PM45
Elemental Sulphur	1010	-	49								<1	mg/kg	TM108/PM8
Loss on Ignition #	31.5	-	2.7								<1.0	%	TM22/PM0
pH #	7.53	7.61	7.78								<0.01	pH units	TM73/PM11
Sample Type	Clay	-	Sand									None	PM13/PM0
Sample Colour	Dark Brown	-	Dark Brown									None	PM13/PM0
Other Items	loam and sand	-	stones and oily									None	PM13/PM0

Client Name: Worley Parsons

Reference: 305008-00018-51603-00

Location: TOTTENHAM MARSH

Contact: Philip Harrison

JE Job No.: 13/4622

Report : NRA Leachate

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

J E Sample No.	4-9	10-15									LOD	Units	Method No.
Sample ID	02BH9/2.0100513SO1.9-2.0	03BH9/3100513SO3.2-3.4											
Depth	1.9-2.0	3.2-3.4											
COC No / misc													
Containers	V J T	V J T											
Sample Date	10/05/2013	10/05/2013											
Sample Type	Soil	Soil											
Batch Number	1	1											
Date of Receipt	17/05/2013	17/05/2013											
Dissolved Arsenic	-	0.0046									<0.0009	mg/l	TM30/PM14
Dissolved Cadmium	-	<0.00003									<0.00003	mg/l	TM30/PM14
Dissolved Chromium	-	0.0025									<0.0002	mg/l	TM30/PM14
Dissolved Copper	-	<0.003									<0.003	mg/l	TM30/PM14
Dissolved Iron	-	0.1478									<0.0047	mg/l	TM30/PM14
Dissolved Lead	-	0.0009									<0.0004	mg/l	TM30/PM14
Dissolved Nickel	-	<0.0002									<0.0002	mg/l	TM30/PM14
Dissolved Selenium	-	<0.0012									<0.0012	mg/l	TM30/PM14
Dissolved Zinc	-	0.0047									<0.0015	mg/l	TM30/PM14
Mercury Dissolved by CVAF	-	0.00031									<0.00001	mg/l	TM61/PM38
Total Dissolved Sulphur	-	9.28									<0.01	mg/l	TM30/PM14
PAH MS													
Naphthalene	-	0.007160									<0.000014	mg/l	TM4/PM30
Acenaphthylene	-	0.023800									<0.000013	mg/l	TM4/PM30
Acenaphthene	-	0.136810									<0.000013	mg/l	TM4/PM30
Fluorene	-	0.021080									<0.000014	mg/l	TM4/PM30
Phenanthrene	-	0.023980									<0.000011	mg/l	TM4/PM30
Anthracene	-	0.055070									<0.000013	mg/l	TM4/PM30
Fluoranthene	-	0.132460									<0.000012	mg/l	TM4/PM30
Pyrene	-	0.169110									<0.000013	mg/l	TM4/PM30
Benzo(a)anthracene	-	0.067050									<0.000015	mg/l	TM4/PM30
Chrysene	-	0.059510									<0.000011	mg/l	TM4/PM30
Benzo(bk)fluoranthene	-	0.046100									<0.000018	mg/l	TM4/PM30
Benzo(a)pyrene	-	0.039480									<0.000016	mg/l	TM4/PM30
Indeno(123cd)pyrene	-	0.022240									<0.000011	mg/l	TM4/PM30
Dibenzo(ah)anthracene	-	0.00302									<0.00001	mg/l	TM4/PM30
Benzo(ghi)perylene	-	0.015740									<0.000011	mg/l	TM4/PM30
PAH 16 Total	-	0.822610									<0.000195	mg/l	TM4/PM30
Benzo(b)fluoranthene	-	0.03319									<0.00001	mg/l	TM4/PM30
Benzo(k)fluoranthene	-	0.01291									<0.00001	mg/l	TM4/PM30
PAH Surrogate % Recovery	-	104									<0	%	TM4/PM30
Methyl Tertiary Butyl Ether	-	<0.001									<0.001	mg/l	TM15/PM10
Benzene	-	<0.001									<0.001	mg/l	TM15/PM10
Toluene	-	<0.002									<0.002	mg/l	TM15/PM10
Ethylbenzene	-	<0.002									<0.002	mg/l	TM15/PM10
p/m-Xylene	-	<0.003									<0.003	mg/l	TM15/PM10
o-Xylene	-	<0.002									<0.002	mg/l	TM15/PM10
Surrogate Recovery Toluene D8	-	100									<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	-	109									<0	%	TM15/PM10
EPH (C8-C40)	-	135.32^{++}									<0.01	mg/l	TM5/PM30

Please see attached notes for all abbreviations and acronyms

Jones Environmental Laboratory

Client Name:	Worley Parsons
Reference:	305008-00018-51603-00
Location:	TOTTENHAM MARSH
Contact:	Philip Harrison
JE Job No.:	13/4622

Report : NRA Leachate

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

J E Sample No.	4-9	10-15											
Sample ID	02BH9/2.0100513SO1.9-2.0	03BH9/3100513SO3.2-3.4											
Depth	1.9-2.0	3.2-3.4									Please see attached notes for all abbreviations and acronyms		
COC No / misc													
Containers	V J T	V J T											
Sample Date	10/05/2013	10/05/2013											
Sample Type	Soil	Soil											
Batch Number	1	1									**LOD**	**Units**	**Method No.**
Date of Receipt	17/05/2013	17/05/2013											
Resorcinol	-	<0.0005									<0.0005	mg/l	TM26/PM0
Catechol	-	<0.0005									<0.0005	mg/l	TM26/PM0
Phenol	-	<0.0005									<0.0005	mg/l	TM26/PM0
m/p-cresol	-	<0.0005									<0.0005	mg/l	TM26/PM0
o-cresol	-	<0.0005									<0.0005	mg/l	TM26/PM0
Total cresols	-	<0.0005									<0.0005	mg/l	TM26/PM0
Xylenols	-	<0.0005									<0.0005	mg/l	TM26/PM0
1-naphthol	-	<0.0005									<0.0005	mg/l	TM26/PM0
2,3,5-trimethyl phenol	-	<0.0005									<0.0005	mg/l	TM26/PM0
2-isopropylphenol	-	<0.0005									<0.0005	mg/l	TM26/PM0
Total Speciated Phenols HPLC	-	<0.005									<0.005	mg/l	TM26/PM0
Chloride	-	0.3									<0.3	mg/l	TM27/PM0
Sulphate	44.09	25.68									<0.05	mg/l	TM27/PM0
Free Cyanide	-	<0.005									<0.005	mg/l	TM89/PM0
Total Cyanide	-	0.006									<0.005	mg/l	TM89/PM0
Complex Cyanide	-	<0.01									<0.01	mg/l	TM89/PM0
Ammoniacal Nitrogen as NH4	-	0.27									<0.03	mg/l	TM38/PM0
Sulphide	-	<0.3									<0.3	mg/l	TM106/PM0
Thiocyanate	-	<0.02									<0.02	mg/l	TM107/PM0
Dissolved Organic Carbon	-	9									<2	mg/l	TM60/PM0
Electrical Conductivity @25C	-	102									<2	uS/cm	TM76/PM0
pH	-	8.03									<0.01	pH units	TM73/PM0

Client Name: Worley Parsons
Reference: 305008-00018-51603-00
Location: TOTTENHAM MARSH
Contact: Philip Harrison

Report : **Solid**
Type: **AQC**

J E QC Job No.	05/75	05/75	05/75	05/75	05/75	05/76	05/76	05/76	
J E QC Sample No.	15	17	35	40	74	2	3	5	Method No.
QC Sample ID	QC 15	QC 17	QC 35	QC 40	QC 74	QC 2	QC 3	QC 5	
Arsenic	-	-	-	-	-	-	-	-	TM30/PM15
Barium	-	-	-	-	-	-	-	-	TM30/PM15
Cadmium	-	-	-	-	-	-	-	-	TM30/PM15
Chromium	-	-	-	-	-	-	-	-	TM30/PM15
Cobalt	-	-	-	-	-	-	-	-	TM30/PM15
Copper	-	-	-	-	-	-	-	-	TM30/PM15
Lead	-	-	-	-	-	-	-	-	TM30/PM15
Manganese	-	-	-	-	-	-	-	-	TM30/PM15
Mercury	-	-	-	-	-	-	-	-	TM30/PM15
Molybdenum	-	-	-	-	-	-	-	-	TM30/PM15
Nickel	-	-	-	-	-	-	-	-	TM30/PM15
Selenium	-	-	-	-	-	-	-	-	TM30/PM15
Total Sulphate	-	-	-	-	-	**93.52** 76 : 124	-	-	TM50/PM15
Water Soluble Boron	-	-	-	-	-	-	-	-	TM74/PM32
Zinc	-	-	-	-	-	-	-	-	TM30/PM15
PAH MS									
Naphthalene	-	-	-	-	**97.63** 85.13 : 125.25	-	-	-	TM4/PM8
Acenaphthylene	-	-	-	-	**96.88** 82.00 : 126.50	-	-	-	TM4/PM8
Acenaphthene	-	-	-	-	**94.75** 81.88 : 125.75	-	-	-	TM4/PM8
Fluorene	-	-	-	-	**96.75** 81.13 : 126.63	-	-	-	TM4/PM8
Phenanthrene	-	-	-	-	**95.38** 82.00 : 126.13	-	-	-	TM4/PM8
Anthracene	-	-	-	-	**94.25** 80.88 : 121.63	-	-	-	TM4/PM8
Fluoranthene	-	-	-	-	**97.13** 83.13 : 126.88	-	-	-	TM4/PM8
Pyrene	-	-	-	-	**97.75** 81.13 : 127.00	-	-	-	TM4/PM8
Benzo(a)anthracene	-	-	-	-	**102.00** 72.50 : 135.38	-	-	-	TM4/PM8
Chrysene	-	-	-	-	**98.13** 76.88 : 126.50	-	-	-	TM4/PM8
Benzo(bk)fluoranthene	-	-	-	-	**100.94** 79.63 : 130.13	-	-	-	TM4/PM8
Benzo(a)pyrene	-	-	-	-	**100.13** 81.75 : 125.50	-	-	-	TM4/PM8
Indeno(123cd)pyrene	-	-	-	-	**88.00** 79.25 : 125.75	-	-	-	TM4/PM8
Dibenzo(ah)anthracene	-	-	-	-	**90.63** 78.38 : 129.75	-	-	-	TM4/PM8
Benzo(ghi)perylene	-	-	-	-	**90.00** 83.00 : 125.00	-	-	-	TM4/PM8

The figure in bold is the percentage recovery result for the AQC associated with the samples. The subscript numbers are the lower and upper control limits expressed as a percentage. The percentage recovery result for the AQC should be between these limits to be statistically in control.

Client Name: Worley Parsons
Reference: 305008-00018-51603-00
Location: TOTTENHAM MARSH
Contact: Philip Harrison

Report : **Solid**
Type: **AQC**

J E QC Job No.	05/75	05/75	05/75	05/75	05/75	05/76	05/76	05/76	
J E QC Sample No.	15	17	35	40	74	2	3	5	Method No.
QC Sample ID	QC 15	QC 17	QC 35	QC 40	QC 74	QC 2	QC 3	QC 5	
VOC MS									
Methyl Tertiary Butyl Ether	-	-	-	-	-	-	-	-	TM15/PM10
Chloromethane	-	-	-	-	-	-	-	-	TM15/PM10
Chloroethane	-	-	-	-	-	-	-	-	TM15/PM10
Trichlorofluoromethane	-	-	-	-	-	-	-	-	TM15/PM10
1,1-Dichloroethene (1,1 DCE)	-	-	-	-	-	-	-	-	TM15/PM10
Dichloromethane (DCM)	-	-	-	-	-	-	-	-	TM15/PM10
trans-1-2-Dichloroethene	-	-	-	-	-	-	-	-	TM15/PM10
1,1-Dichloroethane	-	-	-	-	-	-	-	-	TM15/PM10
cis-1-2-Dichloroethene	-	-	-	-	-	-	-	-	TM15/PM10
2,2-Dichloropropane	-	-	-	-	-	-	-	-	TM15/PM10
Bromochloromethane	-	-	-	-	-	-	-	-	TM15/PM10
Chloroform	-	-	-	-	-	-	-	-	TM15/PM10
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	TM15/PM10
1,1-Dichloropropene	-	-	-	-	-	-	-	-	TM15/PM10
Carbon tetrachloride	-	-	-	-	-	-	-	-	TM15/PM10
1,2-Dichloroethane	-	-	-	-	-	-	-	-	TM15/PM10
Benzene	-	-	-	-	-	-	-	-	TM15/PM10
Trichloroethene (TCE)	-	-	-	-	-	-	-	-	TM15/PM10
1,2-Dichloropropane	-	-	-	-	-	-	-	-	TM15/PM10
Dibromomethane	-	-	-	-	-	-	-	-	TM15/PM10
Bromodichloromethane	-	-	-	-	-	-	-	-	TM15/PM10
Toluene	-	-	-	-	-	-	-	-	TM15/PM10
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	TM15/PM10
Tetrachloroethene (PCE)	-	-	-	-	-	-	-	-	TM15/PM10
1,3-Dichloropropane	-	-	-	-	-	-	-	-	TM15/PM10
Dibromochloromethane	-	-	-	-	-	-	-	-	TM15/PM10
1,2-Dibromoethane	-	-	-	-	-	-	-	-	TM15/PM10
Chlorobenzene	-	-	-	-	-	-	-	-	TM15/PM10
1,1,1,2-Tetrachloroethane	-	-	-	-	-	-	-	-	TM15/PM10
Ethylbenzene	-	-	-	-	-	-	-	-	TM15/PM10
p/m-Xylene	-	-	-	-	-	-	-	-	TM15/PM10

The figure in bold is the percentage recovery result for the AQC associated with the samples. The subscript numbers are the lower and upper control limits expressed as a percentage. The percentage recovery result for the AQC should be between these limits to be statistically in control.

Client Name: Worley Parsons
Reference: 305008-00018-51603-00
Location: TOTTENHAM MARSH
Contact: Philip Harrison

Report : **Solid**
Type: **AQC**

J E QC Job No.	05/75	05/75	05/75	05/75	05/75	05/76	05/76	05/76	
J E QC Sample No.	15	17	35	40	74	2	3	5	Method No.
QC Sample ID	QC 15	QC 17	QC 35	QC 40	QC 74	QC 2	QC 3	QC 5	
o-Xylene	-	-	-	-	-	-	-	-	TM15/PM10
Styrene	-	-	-	-	-	-	-	-	TM15/PM10
Bromoform	-	-	-	-	-	-	-	-	TM15/PM10
Isopropylbenzene	-	-	-	-	-	-	-	-	TM15/PM10
1,1,2,2-Tetrachloroethane	-	-	-	-	-	-	-	-	TM15/PM10
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	TM15/PM10
Propylbenzene	-	-	-	-	-	-	-	-	TM15/PM10
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	TM15/PM10
4-Chlorotoluene	-	-	-	-	-	-	-	-	TM15/PM10
tert-Butylbenzene	-	-	-	-	-	-	-	-	TM15/PM10
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	TM15/PM10
sec-Butylbenzene	-	-	-	-	-	-	-	-	TM15/PM10
4-Isopropyltoluene	-	-	-	-	-	-	-	-	TM15/PM10
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	TM15/PM10
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	TM15/PM10
n-Butylbenzene	-	-	-	-	-	-	-	-	TM15/PM10
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	TM15/PM10
1,2-Dibromo-3-chloropropane	-	-	-	-	-	-	-	-	TM15/PM10
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	TM15/PM10
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	TM15/PM10
EPH (C8-C40)	-	-	**93** 70 : 116	-	-	-	-	-	TM5/PM8
GRO (>C4-C12)	-	-	-	-	-	-	-	-	TM36/PM12
MTBE	-	-	-	-	-	-	-	-	TM36/PM12
Benzene	-	-	-	-	-	-	-	-	TM36/PM12
Toluene	-	-	-	-	-	-	-	-	TM36/PM12
Ethylbenzene	-	-	-	-	-	-	-	-	TM36/PM12
m/p-Xylene	-	-	-	-	-	-	-	-	TM36/PM12
o-Xylene	-	-	-	-	-	-	-	-	TM36/PM12
>C5-C10	-	-	-	-	-	-	-	-	TM36/PM12

The figure in bold is the percentage recovery result for the AQC associated with the samples. The subscript numbers are the lower and upper control limits expressed as a percentage. The percentage recovery result for the AQC should be between these limits to be statistically in control.

Client Name: Worley Parsons
Reference: 305008-00018-51603-00
Location: TOTTENHAM MARSH
Contact: Philip Harrison

Report : **Solid**
Type: **AQC**

J E QC Job No.	05/75	05/75	05/75	05/75	05/75	05/76	05/76	05/76	
J E QC Sample No.	15	17	35	40	74	2	3	5	**Method No.**
QC Sample ID	QC 15	QC 17	QC 35	QC 40	QC 74	QC 2	QC 3	QC 5	
Phenol	**96.65** 48 : 114	-	-	-	-	-	-	-	TM26/PM21
m/p-cresol	**86.21** 52 : 113	-	-	-	-	-	-	-	TM26/PM21
o-cresol	**76.28** 33 : 131	-	-	-	-	-	-	-	TM26/PM21
Total Cresols	**82.90** 48 : 116	-	-	-	-	-	-	-	TM26/PM21
Xylenols	**87.23** 47 : 119	-	-	-	-	-	-	-	TM26/PM21
2,3,5-trimethyl phenol	**91.65** 41 : 128	-	-	-	-	-	-	-	TM26/PM21
2-isopropylphenol	**80.18** 32 : 128	-	-	-	-	-	-	-	TM26/PM21
Total, Free & Complex Cyanide	-	-	-	**112.83** 68 : 127	-	-	-	-	TM89/PM45
Total Organic Carbon	-	-	-	-	-	-	-	**73.9** 75 : 94	TM21/PM24
Loss on Ignition	-	-	-	-	-	-	**74.6** 77 : 115	-	TM22/PM0
pH (% recovery)	-	**100.44** 86 : 111	-	-	-	-	-	-	TM73/PM11

The figure in bold is the percentage recovery result for the AQC associated with the samples. The subscript numbers are the lower and upper control limits expressed as a percentage. The percentage recovery result for the AQC should be between these limits to be statistically in control.

Client Name: Worley Parsons
Reference: 305008-00018-51603-00
Location: TOTTENHAM MARSH
Contact: Philip Harrison

Report : **Solid**
Type: **AQC**

J E QC Job No.	05/76	05/76	05/76	05/76	05/76				
J E QC Sample No.	6	7	8	11	12				**Method No.**
QC Sample ID	QC 6	QC 7	QC 8	QC 11	QC 12				
Arsenic	-	-	-	**108.26** 102.50 : 122.34	-				TM30/PM15
Barium	-	-	-	**96.74** 81.16 : 108.39	-				TM30/PM15
Cadmium	-	-	-	**106.21** 93.79 : 114.29	-				TM30/PM15
Chromium	-	-	-	**90.97** 79.03 : 103.82	-				TM30/PM15
Cobalt	-	-	-	**95.19** 85.19 : 108.96	-				TM30/PM15
Copper	-	-	-	**103.11** 89.43 : 110.92	-				TM30/PM15
Lead	-	-	-	**100.16** 81.59 : 110.09	-				TM30/PM15
Manganese	-	-	-	**106.37** 89.45 : 118.85	-				TM30/PM15
Mercury	-	-	-	**86.667** 74.09 : 114.34	-				TM30/PM15
Molybdenum	-	-	-	-	**118.95** 106.56 : 132.57				TM30/PM15
Nickel	-	-	-	**92.81** 84.70 : 107.31	-				TM30/PM15
Selenium	-	-	-	-	**102.49** 90.63 : 132.45				TM30/PM15
Total Sulphate	-	-	-	-	-				TM50/PM15
Water Soluble Boron	**105.79** 81.58 : 118.42	-	-	-	-				TM74/PM32
Zinc	-	-	-	**105.55** 85.78 : 121.17	-				TM30/PM15
PAH MS									
Naphthalene	-	-	-	-	-				TM4/PM8
Acenaphthylene	-	-	-	-	-				TM4/PM8
Acenaphthene	-	-	-	-	-				TM4/PM8
Fluorene	-	-	-	-	-				TM4/PM8
Phenanthrene	-	-	-	-	-				TM4/PM8
Anthracene	-	-	-	-	-				TM4/PM8
Fluoranthene	-	-	-	-	-				TM4/PM8
Pyrene	-	-	-	-	-				TM4/PM8
Benzo(a)anthracene	-	-	-	-	-				TM4/PM8
Chrysene	-	-	-	-	-				TM4/PM8
Benzo(bk)fluoranthene	-	-	-	-	-				TM4/PM8
Benzo(a)pyrene	-	-	-	-	-				TM4/PM8
Indeno(123cd)pyrene	-	-	-	-	-				TM4/PM8
Dibenzo(ah)anthracene	-	-	-	-	-				TM4/PM8
Benzo(ghi)perylene	-	-	-	-	-				TM4/PM8

The figure in bold is the percentage recovery result for the AQC associated with the samples. The subscript numbers are the lower and upper control limits expressed as a percentage. The percentage recovery result for the AQC should be between these limits to be statistically in control.

Client Name:	Worley Parsons	**Report :**	**Solid**
Reference:	305008-00018-51603-00	**Type:**	**AQC**
Location:	TOTTENHAM MARSH		
Contact:	Philip Harrison		

J E QC Job No.	05/76	05/76	05/76	05/76	05/76				
J E QC Sample No.	6	7	8	11	12				**Method No.**
QC Sample ID	QC 6	QC 7	QC 8	QC 11	QC 12				
VOC MS									
Methyl Tertiary Butyl Ether	-	**111.86** 52.47 : 145.30	-	-	-				TM15/PM10
Chloromethane	-	**94.29** 69.84 : 146.01	-	-	-				TM15/PM10
Chloroethane	-	**109.05** 61.09 : 146.87	-	-	-				TM15/PM10
Trichlorofluoromethane	-	**105.69** 75.30 : 136.30	-	-	-				TM15/PM10
1,1-Dichloroethene (1,1 DCE)	-	**102.82** 62.26 : 133.58	-	-	-				TM15/PM10
Dichloromethane (DCM)	-	**114.37** 71.91 : 138.51	-	-	-				TM15/PM10
trans-1-2-Dichloroethene	-	**111.23** 73.24 : 130.26	-	-	-				TM15/PM10
1,1-Dichloroethane	-	**111.07** 74.00 : 132.71	-	-	-				TM15/PM10
cis-1-2-Dichloroethene	-	**111.97** 73.33 : 132.66	-	-	-				TM15/PM10
2,2-Dichloropropane	-	**108.18** 75.67 : 128.17	-	-	-				TM15/PM10
Bromochloromethane	-	**104.33** 75.73 : 137.19	-	-	-				TM15/PM10
Chloroform	-	**116.76** 78.80 : 130.89	-	-	-				TM15/PM10
1,1,1-Trichloroethane	-	**98.24** 77.52 : 127.95	-	-	-				TM15/PM10
1,1-Dichloropropene	-	**91.17** 76.80 : 126.00	-	-	-				TM15/PM10
Carbon tetrachloride	-	**97.00** 77.22 : 130.31	-	-	-				TM15/PM10
1,2-Dichloroethane	-	**114.54** 71.53 : 144.75	-	-	-				TM15/PM10
Benzene	-	**111.21** 75.26 : 129.89	-	-	-				TM15/PM10
Trichloroethene (TCE)	-	**99.27** 77.23 : 124.09	-	-	-				TM15/PM10
1,2-Dichloropropane	-	**116.13** 78.17 : 127.97	-	-	-				TM15/PM10
Dibromomethane	-	**113.99** 75.73 : 139.57	-	-	-				TM15/PM10
Bromodichloromethane	-	**106.68** 80.36 : 130.36	-	-	-				TM15/PM10
Toluene	-	**107.22** 77.74 : 127.40	-	-	-				TM15/PM10
1,1,2-Trichloroethane	-	**109.46** 76.54 : 137.55	-	-	-				TM15/PM10
Tetrachloroethene (PCE)	-	**102.27** 69.23 : 131.86	-	-	-				TM15/PM10
1,3-Dichloropropane	-	**116.00** 76.37 : 135.81	-	-	-				TM15/PM10
Dibromochloromethane	-	**115.70** 73.28 : 138.46	-	-	-				TM15/PM10
1,2-Dibromoethane	-	**109.89** 72.92 : 136.95	-	-	-				TM15/PM10
Chlorobenzene	-	**106.35** 81.87 : 119.43	-	-	-				TM15/PM10
1,1,1,2-Tetrachloroethane	-	**105.39** 77.95 : 125.42	-	-	-				TM15/PM10
Ethylbenzene	-	**95.04** 76.89 : 118.47	-	-	-				TM15/PM10
p/m-Xylene	-	**97.65** 75.98 : 120.11	-	-	-				TM15/PM10

The figure in bold is the percentage recovery result for the AQC associated with the samples. The subscript numbers are the lower and upper control limits expressed as a percentage. The percentage recovery result for the AQC should be between these limits to be statistically in control.

Client Name: Worley Parsons
Reference: 305008-00018-51603-00
Location: TOTTENHAM MARSH
Contact: Philip Harrison

Report : **Solid**
Type: **AQC**

J E QC Job No.	05/76	05/76	05/76	05/76	05/76				
J E QC Sample No.	6	7	8	11	12				**Method No.**
QC Sample ID	QC 6	QC 7	QC 8	QC 11	QC 12				
o-Xylene	-	**92.33** 76.16 : 119.42	-	-	-				TM15/PM10
Styrene	-	**93.15** 44.42 : 163.48	-	-	-				TM15/PM10
Bromoform	-	**110.28** 74.37 : 137.11	-	-	-				TM15/PM10
Isopropylbenzene	-	**89.97** 67.35 : 122.62	-	-	-				TM15/PM10
1,1,2,2-Tetrachloroethane	-	**110.65** 74.39 : 135.11	-	-	-				TM15/PM10
1,2,3-Trichloropropane	-	**116.41** 70.82 : 142.24	-	-	-				TM15/PM10
Propylbenzene	-	**91.43** 64.89 : 122.55	-	-	-				TM15/PM10
1,3,5-Trimethylbenzene	-	**95.70** 60.88 : 126.52	-	-	-				TM15/PM10
4-Chlorotoluene	-	**96.37** 66.38 : 129.21	-	-	-				TM15/PM10
tert-Butylbenzene	-	**97.65** 58.42 : 126.92	-	-	-				TM15/PM10
1,2,4-Trimethylbenzene	-	**93.49** 64.76 : 126.28	-	-	-				TM15/PM10
sec-Butylbenzene	-	**101.82** 52.11 : 129.76	-	-	-				TM15/PM10
4-Isopropyltoluene	-	**102.64** 50.32 : 130.66	-	-	-				TM15/PM10
1,3-Dichlorobenzene	-	**109.15** 79.29 : 125.05	-	-	-				TM15/PM10
1,4-Dichlorobenzene	-	**102.25** 72.48 : 126.70	-	-	-				TM15/PM10
n-Butylbenzene	-	**107.13** 48.23 : 135.49	-	-	-				TM15/PM10
1,2-Dichlorobenzene	-	**114.94** 80.12 : 128.90	-	-	-				TM15/PM10
1,2-Dibromo-3-chloropropane	-	**116.80** 59.44 : 155.31	-	-	-				TM15/PM10
1,2,4-Trichlorobenzene	-	**108.07** 41.24 : 154.60	-	-	-				TM15/PM10
1,2,3-Trichlorobenzene	-	**108.50** 46.59 : 155.35	-	-	-				TM15/PM10
EPH (C8-C40)	-	-	-	-	-				TM5/PM8
GRO (>C4-C12)	-	-	**93** 58 : 143	-	-				TM36/PM12
MTBE	-	**134** 60 : 134	-	-	-				TM36/PM12
Benzene	-	**113** 61 : 134	-	-	-				TM36/PM12
Toluene	-	**104** 59 : 134	-	-	-				TM36/PM12
Ethylbenzene	-	**91** 58 : 138	-	-	-				TM36/PM12
m/p-Xylene	-	**88** 55 : 140	-	-	-				TM36/PM12
o-Xylene	-	**89** 57 : 140	-	-	-				TM36/PM12
>C5-C10	-	-	**97** 51 : 141	-	-				TM36/PM12

The figure in bold is the percentage recovery result for the AQC associated with the samples. The subscript numbers are the lower and upper control limits expressed as a percentage. The percentage recovery result for the AQC should be between these limits to be statistically in control.

Client Name: Worley Parsons
Reference: 305008-00018-51603-00
Location: TOTTENHAM MARSH
Contact: Philip Harrison

Report : **Solid**
Type: **AQC**

J E QC Job No.	05/76	05/76	05/76	05/76	05/76				
J E QC Sample No.	6	7	8	11	12				**Method No.**
QC Sample ID	QC 6	QC 7	QC 8	QC 11	QC 12				
Phenol	-	-	-	-	-				TM26/PM21
m/p-cresol	-	-	-	-	-				TM26/PM21
o-cresol	-	-	-	-	-				TM26/PM21
Total Cresols	-	-	-	-	-				TM26/PM21
Xylenols	-	-	-	-	-				TM26/PM21
2,3,5-trimethyl phenol	-	-	-	-	-				TM26/PM21
2-isopropylphenol	-	-	-	-	-				TM26/PM21
Total, Free & Complex Cyanide	-	-	-	-	-				TM89/PM45
Total Organic Carbon	-	-	-	-	-				TM21/PM24
Loss on Ignition	-	-	-	-	-				TM22/PM0
pH (% recovery)	-	-	-	-	-				TM73/PM11

The figure in bold is the percentage recovery result for the AQC associated with the samples. The subscript numbers are the lower and upper control limits expressed as a percentage. The percentage recovery result for the AQC should be between these limits to be statistically in control.

Client Name: Worley Parsons
Reference: 305008-00018-51603-00
Location: TOTTENHAM MARSH
Contact: Philip Harrison

Report : **Liquid**
Type: **AQC**

J E QC Job No.	06/76	06/76	06/76	06/76	06/76	06/76	06/76		
J E QC Sample No.	3	4	11	12	16	17	47		Method No.
QC Sample ID	QC 3	QC 4	QC 11	QC 12	QC 16	QC 17	QC 47		
PAH MS									
Naphthalene	-	-	**93.70** 44.62 : 117.72	-	-	-	-		TM4/PM30
Acenaphthylene	-	-	**86.45** 42.66 : 120.50	-	-	-	-		TM4/PM30
Acenaphthene	-	-	**89.73** 44.52 : 117.81	-	-	-	-		TM4/PM30
Fluorene	-	-	**88.40** 42.81 : 117.49	-	-	-	-		TM4/PM30
Phenanthrene	-	-	**88.79** 46.13 : 118.70	-	-	-	-		TM4/PM30
Anthracene	-	-	**87.44** 46.61 : 115.64	-	-	-	-		TM4/PM30
Fluoranthene	-	-	**83.77** 42.64 : 115.97	-	-	-	-		TM4/PM30
Pyrene	-	-	**82.66** 41.94 : 112.90	-	-	-	-		TM4/PM30
Benzo(a)anthracene	-	-	**98.56** 44.56 : 123.39	-	-	-	-		TM4/PM30
Chrysene	-	-	**85.67** 44.52 : 117.61	-	-	-	-		TM4/PM30
Benzo(bk)fluoranthene	-	-	**86.80** 36.44 : 125.67	-	-	-	-		TM4/PM30
Benzo(a)pyrene	-	-	**82.20** 37.09 : 126.04	-	-	-	-		TM4/PM30
Indeno(123cd)pyrene	-	-	**87.73** 39.01 : 123.20	-	-	-	-		TM4/PM30
Dibenzo(ah)anthracene	-	-	**63.26** 21.13 : 95.42	-	-	-	-		TM4/PM30
Benzo(ghi)perylene	-	-	**63.42** 34.05 : 112.95	-	-	-	-		TM4/PM30

The figure in bold is the percentage recovery result for the AQC associated with the samples. The subscript numbers are the lower and upper control limits expressed as a percentage. The percentage recovery result for the AQC should be between these limits to be statistically in control.

Client Name: Worley Parsons
Reference: 305008-00018-51603-00
Location: TOTTENHAM MARSH
Contact: Philip Harrison

Report : **Liquid**
Type: **AQC**

J E QC Job No.	06/76	06/76	06/76	06/76	06/76	06/76	06/76		
J E QC Sample No.	3	4	11	12	16	17	47		Method No.
QC Sample ID	QC 3	QC 4	QC 11	QC 12	QC 16	QC 17	QC 47		
VOC MS									
Methyl Tertiary Butyl Ether	-	-	-	-	-	-	**71.33** 47.87 : 118.88		TM15/PM10
Chloromethane	-	-	-	-	-	-	**94.69** 53.81 : 144.59		TM15/PM10
Chloroethane	-	-	-	-	-	-	**88.96** 63.80 : 125.50		TM15/PM10
Trichlorofluoromethane	-	-	-	-	-	-	**85.39** 68.67 : 129.10		TM15/PM10
1,1-Dichloroethene (1,1 DCE)	-	-	-	-	-	-	**81.81** 65.12 : 125.77		TM15/PM10
Dichloromethane (DCM)	-	-	-	-	-	-	**102.57** 68.28 : 126.50		TM15/PM10
trans-1-2-Dichloroethene	-	-	-	-	-	-	**85.15** 68.86 : 121.48		TM15/PM10
1,1-Dichloroethane	-	-	-	-	-	-	**88.04** 68.99 : 121.84		TM15/PM10
cis-1-2-Dichloroethene	-	-	-	-	-	-	**90.49** 68.37 : 122.43		TM15/PM10
Bromochloromethane	-	-	-	-	-	-	**105.88** 70.74 : 125.84		TM15/PM10
Chloroform	-	-	-	-	-	-	**94.66** 73.90 : 123.15		TM15/PM10
1,1,1-Trichloroethane	-	-	-	-	-	-	**76.81** 68.67 : 123.18		TM15/PM10
1,1-Dichloropropene	-	-	-	-	-	-	**78.86** 70.88 : 120.02		TM15/PM10
Carbon tetrachloride	-	-	-	-	-	-	**91.65** 70.13 : 128.23		TM15/PM10
1,2-Dichloroethane	-	-	-	-	-	-	**99.14** 75.15 : 126.76		TM15/PM10
Benzene	-	-	-	-	-	-	**86.70** 72.87 : 120.94		TM15/PM10
Trichloroethene (TCE)	-	-	-	-	-	-	**84.82** 73.76 : 128.00		TM15/PM10
1,2-Dichloropropane	-	-	-	-	-	-	**84.25** 71.80 : 122.29		TM15/PM10
Dibromomethane	-	-	-	-	-	-	**108.40** 73.83 : 130.19		TM15/PM10
Bromodichloromethane	-	-	-	-	-	-	**93.88** 74.51 : 125.02		TM15/PM10
Toluene	-	-	-	-	-	-	**83.02** 75.47 : 120.91		TM15/PM10
1,1,2-Trichloroethane	-	-	-	-	-	-	**105.02** 74.10 : 128.57		TM15/PM10
Tetrachloroethene (PCE)	-	-	-	-	-	-	**78.96** 74.41 : 122.72		TM15/PM10
1,3-Dichloropropane	-	-	-	-	-	-	**103.46** 74.31 : 126.10		TM15/PM10
Dibromochloromethane	-	-	-	-	-	-	**103.54** 71.65 : 130.69		TM15/PM10
1,2-Dibromoethane	-	-	-	-	-	-	**102.19** 69.70 : 131.74		TM15/PM10
Chlorobenzene	-	-	-	-	-	-	**91.44** 79.81 : 121.59		TM15/PM10
1,1,1,2-Tetrachloroethane	-	-	-	-	-	-	**94.68** 76.92 : 125.53		TM15/PM10
Ethylbenzene	-	-	-	-	-	-	**80.72** 77.36 : 119.74		TM15/PM10
p/m-Xylene	-	-	-	-	-	-	**83.95** 72.47 : 127.97		TM15/PM10
o-Xylene	-	-	-	-	-	-	**86.12** 77.48 : 121.90		TM15/PM10

The figure in bold is the percentage recovery result for the AQC associated with the samples. The subscript numbers are the lower and upper control limits expressed as a percentage. The percentage recovery result for the AQC should be between these limits to be statistically in control.

Client Name: Worley Parsons
Reference: 305008-00018-51603-00
Location: TOTTENHAM MARSH
Contact: Philip Harrison

Report : **Liquid**
Type: **AQC**

J E QC Job No.	06/76	06/76	06/76	06/76	06/76	06/76	06/76		
J E QC Sample No.	3	4	11	12	16	17	47		**Method No.**
QC Sample ID	QC 3	QC 4	QC 11	QC 12	QC 16	QC 17	QC 47		
Styrene	-	-	-	-	-	-	**91.02** 61.71 : 149.24		TM15/PM10
Bromoform	-	-	-	-	-	-	**110.22** 73.08 : 137.15		TM15/PM10
Isopropylbenzene	-	-	-	-	-	-	**81.26** 79.03 : 122.86		TM15/PM10
Bromobenzene	-	-	-	-	-	-	**98.63** 77.03 : 124.37		TM15/PM10
1,2,3-Trichloropropane	-	-	-	-	-	-	**113.27** 78.43 : 133.90		TM15/PM10
Propylbenzene	-	-	-	-	-	-	**82.37** 78.51 : 123.36		TM15/PM10
2-Chlorotoluene	-	-	-	-	-	-	**90.00** 79.51 : 121.23		TM15/PM10
1,3,5-Trimethylbenzene	-	-	-	-	-	-	**86.01** 81.61 : 123.61		TM15/PM10
4-Chlorotoluene	-	-	-	-	-	-	**93.37** 77.98 : 125.72		TM15/PM10
tert-Butylbenzene	-	-	-	-	-	-	**86.17** 69.67 : 131.49		TM15/PM10
1,2,4-Trimethylbenzene	-	-	-	-	-	-	**97.70** 83.44 : 123.36		TM15/PM10
sec-Butylbenzene	-	-	-	-	-	-	**82.20** 80.66 : 127.20		TM15/PM10
4-Isopropyltoluene	-	-	-	-	-	-	**86.51** 80.37 : 128.81		TM15/PM10
1,3-Dichlorobenzene	-	-	-	-	-	-	**101.05** 84.09 : 127.57		TM15/PM10
1,4-Dichlorobenzene	-	-	-	-	-	-	**103.96** 84.93 : 127.04		TM15/PM10
n-Butylbenzene	-	-	-	-	-	-	**80.30** 66.20 : 138.56		TM15/PM10
1,2-Dichlorobenzene	-	-	-	-	-	-	**112.65** 83.10 : 131.82		TM15/PM10
EPH (C8-C40)	**110.14** 71 : 129	-	-	-	-	-	-		TM5/PM30
Total, Free & Complex Cyanide	-	**94.7500** 77.15 : 137.35	-	-	-	-	-		TM89/PM0
Ammoniacal Nitrogen as NH4 (High)	-	-	-	-	-	**92.37** 86 : 114	-		TM38/PM0
Ammoniacal Nitrogen as NH4 (Low)	-	-	-	-	**102.00** 84 : 134	-	-		TM38/PM0
Inorganic Carbon (50 mg/l)	-	-	**102** 93 : 114	-	-	-	-		TM60/PM0
Organic Carbon (50 mg/l)	-	-	**104** 90 : 109	-	-	-	-		TM60/PM0
Inorganic Carbon (150 mg/l)	-	-	-	**103** 90 : 110	-	-	-		TM60/PM0
Organic Carbon (150 mg/l)	-	-	-	**102** 88 : 105	-	-	-		TM60/PM0

The figure in bold is the percentage recovery result for the AQC associated with the samples. The subscript numbers are the lower and upper control limits expressed as a percentage. The percentage recovery result for the AQC should be between these limits to be statistically in control.

Jones Environmental Laboratory

Client Name: Worley Parsons

Reference: 305008-00018-51603-00

Location: TOTTENHAM MARSH

Contact: Philip Harrison

Report Type: **Solid** **BLANK**

J E QC Job No.	05/75	05/76	05/76	05/76	05/76						LOD	Units	Method No.
J E QC Sample No.	36	1	4	5	10								
QC Sample ID	QC 36	QC 1	QC 4	QC 5	QC 10								
Arsenic	-	-	-	-	<0.5						<0.5	mg/kg	TM30/PM15
Barium	-	-	-	-	<1						<1	mg/kg	TM30/PM15
Cadmium	-	-	-	-	<0.1						<0.1	mg/kg	TM30/PM15
Chromium	-	-	-	-	<0.5						<0.5	mg/kg	TM30/PM15
Cobalt	-	-	-	-	<0.5						<0.5	mg/kg	TM30/PM15
Copper	-	-	-	-	<1						<1	mg/kg	TM30/PM15
Lead	-	-	-	-	<5						<5	mg/kg	TM30/PM15
Manganese	-	-	-	-	<1						<1	mg/kg	TM30/PM15
Mercury	-	-	-	-	<0.1						<0.1	mg/kg	TM30/PM15
Molybdenum	-	-	-	-	<0.1						<0.1	mg/kg	TM30/PM15
Nickel	-	-	-	-	<0.7						<0.7	mg/kg	TM30/PM15
Selenium	-	-	-	-	<1						<1	mg/kg	TM30/PM15
Total Sulphate	-	<50	-	-	-						<50	mg/kg	TM50/PM15
Water Soluble Boron	-	-	-	<0.1	-						<0.1	mg/kg	TM74/PM32
Zinc	-	-	-	-	<5						<5	mg/kg	TM30/PM15
EPH (C8-C40)	<30	-	-	-	-						<30	mg/kg	TM5/PM8
TPH CWG													
Aliphatics													
EPH (C8-C40)	-	-	<30	-	-						<30	mg/kg	TM5/PM8

Where analysis is blank corrected, blank data, although available, is not routinely supplied.

Jones Environmental Laboratory

Client Name: Worley Parsons

Reference: 305008-00018-51603-00

Location: TOTTENHAM MARSH

Contact: Philip Harrison

Report Type: **Liquid BLANK**

J E QC Job No.	06/76	06/76	06/76								**LOD**	**Units**	**Method No.**
J E QC Sample No.	4	10	18										
QC Sample ID	QC 4	QC 10	QC 18										
EPH (C8-C40)	<0.01	-	-								<0.01	mg/l	TM5/PM30
Ammoniacal Nitrogen as NH4	-	-	<0.03								<0.03	mg/l	TM38/PM0
Inorganic Carbon	-	<2	-								<2	mg/l	TM60/PM0
Organic Carbon	-	<2	-								<2	mg/l	TM60/PM0

Where analysis is blank corrected, blank data, although available, is not routinely supplied.

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 13/4622

SOILS

Please note we are only MCERTS accredited for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary. If we are instructed to keep samples, a storage charge of £1 (1.5 Euros) per sample per month will be applied until we are asked to dispose of them.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

WATERS

Please note we are not a Drinking Water Inspectorate (DWI) Approved Laboratory . It is important that detection limits are carefully considered when requesting water analysis.

UKAS accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

NOTE

Data is only accredited when all the requirements of our Quality System have been met. In certain circumstances where the requirements have not been met, the laboratory may issue the data in an interim report but will remove the accreditation, in this instance results should be considered indicative only. Where possible samples will be re-extracted and a final report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

ABBREVIATIONS and ACRONYMS USED

#	UKAS accredited.
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance.
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
++	Result outside calibration range, results should be considered as indicative only and are not accredited.
*	Analysis subcontracted to a Jones Environmental approved laboratory.
CO	Suspected carry over
OC	Outside Calibration Range
NFD	No Fibres Detected

JE Job No 13/4622

Test Method No.	Description	Prep Method No. (if appropriate)	Description	UKAS	MCERTS (soils only)	Analysis done on As Received (AR) or Air Dried (AD)	Solid Results expressed on Dry/Wet basis
PM4	Moisture Content	PM0	No Preparation				
PM4	Moisture Content	PM0	No Preparation				WET
TM4	16 PAH by GC-MS, modified USEPA 8270	PM30	Magnetic stirrer extraction			AR	
TM4	16 PAH by GC-MS, modified USEPA 8270	PM30	Magnetic stirrer extraction			AR	WET
TM4	16 PAH by GC-MS, modified USEPA 8270	PM8	End Over End extraction			AR	DRY
TM4	16 PAH by GC-MS, modified USEPA 8270	PM8	End Over End extraction	Yes		AR	DRY
TM4	16 PAH by GC-MS, modified USEPA 8270	PM8	End Over End extraction			AR	
TM5	EPH by GC-FID, modified USEPA 8015	PM16	Aliphatic/Aromatic fractionation	Yes		AR	DRY
TM5	EPH by GC-FID, modified USEPA 8015	PM30	Magnetic stirrer extraction			AR	WET
TM5	EPH by GC-FID, modified USEPA 8015	PM8	End Over End extraction	Yes		AR	DRY
TM5/TM36	TPH CWG by GC-FID	PM12/PM16	CWG GC-FID			AR	DRY
TM5/TM36	TPH CWG by GC-FID	PM12/PM16	CWG GC-FID	Yes		AR	DRY
PM13	Soil Typing for MCERTS	PM0	No Preparation			AR	
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS			AR	DRY
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS	Yes		AR	DRY
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS			AR	
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS			AR	WET
TM21	TOC and TC by Combustion	PM24	Eltra preparation			AD	DRY
TM22	Loss on Ignition (LOI) - gravimetric	PM0	No Preparation	Yes		AD	DRY
TM26	Phenols by HPLC	PM0	No Preparation			AR	WET
TM26	Phenols by HPLC	PM21	Methanol : NaOH extraction			AR	DRY
TM26	Phenols by HPLC	PM21	Methanol : NaOH extraction	Yes		AR	DRY
TM27	SO4,Cl,NO3,NO2,F,PO4 by Dionex	PM0	No Preparation			AR	WET
TM30	Metals by ICP-OES	PM14	Metals by ICP (Waters)			AR	WET
TM30	Metals by ICP-OES	PM15	Aqua Regia extraction (Soils)	Yes		AD	DRY
TM36	GRO by Headspace GC-FID	PM12	GRO GC-FID			AR	DRY
TM36	GRO by Headspace GC-FID	PM12	GRO GC-FID	Yes		AR	DRY
TM38	SO4,Cl,NO3,NO2,F,PO4, Amm N2,ThioCN, Hex Cr by Aquakem	PM0	No Preparation			AR	WET
TM38	SO4,Cl,NO3,NO2,F,PO4, Amm N2,ThioCN, Hex Cr by Aquakem	PM20	1:2 soil to water extraction	Yes		AD	DRY
TM38	SO4,Cl,NO3,NO2,F,PO4, Amm N2,ThioCN, Hex Cr by Aquakem	PM20	1:2 soil to water extraction			AR	DRY
TM50	Total Sulphate by ICP-OES	PM15	Aqua Regia extraction (Soils)	Yes		AD	DRY
TM60	TOC/DOC by NDIR	PM0	No Preparation			AR	WET
TM61	Mercury - low level CVAF	PM38	Mercury CVAF			AR	WET
TM73	pH in by Metrohm	PM0	No Preparation			AR	WET
TM73	pH in by Metrohm	PM11	1:2.5 soil/water extraction	Yes		AR	WET
TM74	Water Soluble Boron by ICP-OES	PM32	Preparation of soils for WSB	Yes		AD	DRY
TM76	Electrical Conductivity by Metrohm	PM0	No Preparation			AR	WET
TM89	Cyanide by FIA	PM0	No Preparation			AR	WET
TM89	Cyanide by FIA	PM45	Cyanide & Thiocyanate prep for soils			AR	DRY
TM89	Cyanide by FIA	PM45	Cyanide & Thiocyanate prep for soils	Yes		AR	DRY
TM106	Sulphide by CFA	PM0	No Preparation			AR	WET
TM107	Thiocyanate by CFA	PM0	No Preparation			AR	WET
TM107	Thiocyanate by CFA	PM45	Cyanide & Thiocyanate prep for soils			AR	DRY

JE Job No 13/4622

Test Method No.	Description	Prep Method No. (if appropriate)	Description	UKAS	MCERTS (soils only)	Analysis done on As Received (AR) or Air Dried (AD)	Solid Results expressed on Dry/Wet basis
TM108	Elemental Sulphur by HPLC	PM8	End Over End extraction			AR	DRY

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Amended Report

Report No.:	23-13522-3		
Initial Date of Issue:	12-May-2023	**Date of Re-Issue:**	14-Jul-2023
Re-Issue Details:	This report has been revised and directly supersedes 23-13522-2 in its entirety		
Client	Atkins Ltd		
Client Address:	The Hub 500 Park Avenue Bristol BS32 4RZ		
Contact(s):	Dan Peters Zita Czinke		
Project	NGET Tottenham		
Quotation No.:	Q22-29452	**Date Received:**	25-Apr-2023
Order No.:	5221420/CHE	**Date Instructed:**	25-Apr-2023
No. of Samples:	8		
Turnaround (Wkdays):	7	**Results Due:**	04-May-2023
Date Approved:	12-May-2023		

Approved By:



Details: Stuart Henderson, Technical Manager

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Amended Report

Report No.:	23-14477-2		
Initial Date of Issue:	11-May-2023	**Date of Re-Issue:**	14-Jul-2023
Re-Issue Details:	This report has been revised and directly supersedes 23-14477-1 in its entirety		
Client	Atkins Ltd		
Client Address:	The Hub 500 Park Avenue Bristol BS32 4RZ		
Contact(s):	Dan Peters Zita Czinke		
Project	NGET Tottenham		
Quotation No.:	Q22-29452	**Date Received:**	02-May-2023
Order No.:	5221420/CHE	**Date Instructed:**	02-May-2023
No. of Samples:	6		
Turnaround (Wkdays):	14	**Results Due:**	22-May-2023
Date Approved:	16-May-2023		
Approved By:			
Details:	Stuart Henderson, Technical Manager		

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Final Report

Report No.:	23-14486-1
Initial Date of Issue:	15-May-2023
Re-Issue Details:	
Client	Atkins Ltd
Client Address:	The Hub 500 Park Avenue Bristol BS32 4RZ
Contact(s):	Dan Peters Zita Czinke
Project	NGET TOTTENHAM

Quotation No.:	Q22-29452	**Date Received:**	02-May-2023
Order No.:	5221420/CHE	**Date Instructed:**	02-May-2023
No. of Samples:	4		
Turnaround (Wkdays):	7	**Results Due:**	11-May-2023
Date Approved:	15-May-2023		

Approved By:



Details: Stuart Henderson, Technical Manager

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Final Report

Report No.:	23-14488-1
Initial Date of Issue:	11-May-2023
Re-Issue Details:	
Client	Atkins Ltd
Client Address:	The Hub 500 Park Avenue Bristol BS32 4RZ
Contact(s):	Dan Peters Zita Czinke
Project	NGET TOTTENHAM

Quotation No.:	Q22-29452	**Date Received:**	02-May-2023
Order No.:	5221420/CHE	**Date Instructed:**	02-May-2023
No. of Samples:	1		
Turnaround (Wkdays):	7	**Results Due:**	11-May-2023
Date Approved:	11-May-2023		

Approved By:



Details: Stuart Henderson, Technical Manager

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Final Report

Report No.:	23-14524-1
Initial Date of Issue:	23-May-2023
Re-Issue Details:	
Client	Atkins Ltd
Client Address:	The Hub 500 Park Avenue Bristol BS32 4RZ
Contact(s):	Zita Czinke Dan Peters
Project	NGET Tottenham

Quotation No.:	Q22-29452	**Date Received:**	02-May-2023
Order No.:	5221420/CHE	**Date Instructed:**	02-May-2023
No. of Samples:	4		
Turnaround (Wkdays):	7	**Results Due:**	11-May-2023
Date Approved:	23-May-2023		

Approved By:



Details: Stuart Henderson, Technical Manager

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Final Report

Report No.:	23-14526-1
Initial Date of Issue:	21-May-2023
Re-Issue Details:	
Client	Atkins Ltd
Client Address:	The Hub 500 Park Avenue Bristol BS32 4RZ
Contact(s):	Dan Peters Zita Czinke
Project	NGET Tottenham

Quotation No.:		**Date Received:**	02-May-2023
Order No.:	5221420/CHE	**Date Instructed:**	11-May-2023
No. of Samples:	1		
Turnaround (Wkdays):	7	**Results Due:**	19-May-2023
Date Approved:	21-May-2023		

Approved By:



Details: Stuart Henderson, Technical Manager

Results - Leachate

Project: NGET Tottenham

Client: Atkins Ltd						**Chemtest Job No.:**	23-13522	23-14486	23-14486	23-14524	23-14524	23-14524
Quotation No.: Q22-29452						**Chemtest Sample ID.:**	1628822	1632590	1632591	1632840	1632842	1632843
Order No.: 5221420/CHE						Client Sample Ref.:	ES	ES	ES			
						Client Sample ID.:	1	2	2	2	1	1
						Sample Location:	BH23-02	BH23-01	BH23-02	BH23-04	BH23-05	BH23-03
						Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
						Top Depth (m):	0.6	2.5	1.8	1.70	1.20	0.30
						Bottom Depth (m):	0.7		1.9	1.70	1.20	0.30
						Date Sampled:	19-Apr-2023	21-Apr-2023	24-Apr-2023	25-Apr-2023	24-Apr-2023	24-Apr-2023
Determinand	**Accred.**	**SOP**	**Type**	**Units**	**LOD**							
pH	U	1010	10:1		N/A		7.6	8.8	8.9	8.3	8.7	8.5
Electrical Conductivity	U	1020	10:1	µS/cm	1.0		150	200	130	250	190	160
Chloride	U	1220	10:1	mg/l	1.0		7.4	< 1.0	< 1.0	2.8	20	< 1.0
Ammonium	U	1220	10:1	mg/l	0.050		0.11	0.056	0.053	2.4	1.4	< 0.050
Sulphur	N	1220	10:1	mg/l	1.0		7.7	10	4.0	38	8.7	16
Sulphate	U	1220	10:1	mg/l	1.0		23	30	12	110	26	49
Cyanide (Total)	U	1300	10:1	mg/l	0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Cyanide (Free)	U	1300	10:1	mg/l	0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Thiocyanate	U	1300	10:1	mg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cyanide (Complex)	U	1300	10:1	mg/l	0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Sulphide	U	1325	10:1	mg/l	0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Arsenic (Dissolved)	U	1455	10:1	µg/l	0.20		1.1	5.5	3.4	80	14	3.5
Cadmium (Dissolved)	U	1455	10:1	µg/l	0.11		< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Chromium (Dissolved)	U	1455	10:1	µg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Copper (Dissolved)	U	1455	10:1	µg/l	0.50		1.8	17	8.7	0.54	1.8	2.4
Mercury (Dissolved)	U	1455	10:1	µg/l	0.05		< 0.05	0.11	< 0.05	< 0.05	< 0.05	< 0.05
Nickel (Dissolved)	U	1455	10:1	µg/l	0.50		0.68	0.90	< 0.50	1.3	2.1	0.79
Lead (Dissolved)	U	1455	10:1	µg/l	0.50		< 0.50	6.2	2.7	0.58	4.2	0.81
Selenium (Dissolved)	U	1455	10:1	µg/l	0.50		0.64	1.1	0.50	0.65	7.6	0.58
Zinc (Dissolved)	U	1455	10:1	µg/l	2.5		4.2	46	22	22	15	20
Iron (Dissolved)	N	1455	10:1	µg/l	5.0		9.1	35	30	230	9800	15
Total Organic Carbon	U	1610	10:1	mg/l	2.0		3.0	2.2	2.4	20	27	3.3
Aliphatic TPH >C5-C6	N	1675	10:1	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C6-C8	N	1675	10:1	µg/l	0.10		< 0.10	< 0.10	< 0.10	140	< 0.10	< 0.10
Aliphatic TPH >C8-C10	N	1675	10:1	µg/l	0.10		< 0.10	< 0.10	< 0.10	1700	< 0.10	< 0.10
Aliphatic TPH >C10-C12	N	1675	10:1	µg/l	0.10		< 0.10	< 0.10	< 0.10	68	< 0.10	< 0.10
Aliphatic TPH >C12-C16	N	1675	10:1	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C16-C21	N	1675	10:1	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C21-C35	N	1675	10:1	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C35-C44	N	1675	10:1	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Aliphatic Hydrocarbons	N	1675	10:1	µg/l	5.0		< 5.0	< 5.0	< 5.0	1900	< 5.0	< 5.0
Aromatic TPH >C5-C7	N	1675	10:1	µg/l	0.10		< 0.10	< 0.10	< 0.10	130	< 0.10	< 0.10
Aromatic TPH >C7-C8	N	1675	10:1	µg/l	0.10		< 0.10	< 0.10	< 0.10	420	< 0.10	< 0.10
Aromatic TPH >C8-C10	N	1675	10:1	µg/l	0.10		< 0.10	< 0.10	< 0.10	4400	< 0.10	< 0.10
Aromatic TPH >C10-C12	N	1675	10:1	µg/l	0.10		< 0.10	< 0.10	< 0.10	550	< 0.10	< 0.10
Aromatic TPH >C12-C16	N	1675	10:1	µg/l	0.10		< 0.10	< 0.10	< 0.10	970	< 0.10	< 0.10
Aromatic TPH >C16-C21	N	1675	10:1	µg/l	0.10		< 0.10	< 0.10	< 0.10	130	< 0.10	< 0.10
Aromatic TPH >C21-C35	N	1675	10:1	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Aromatic Hydrocarbons	N	1675	10:1	µg/l	5.0		< 5.0	< 5.0	< 5.0	6600	< 5.0	< 5.0
Total Petroleum Hydrocarbons	N	1675	10:1	µg/l	10		< 10	< 10	< 10	8500	< 10	< 10

Results - Leachate

Project: NGET Tottenham

Client: Atkins Ltd				**Chemtest Job No.:**		23-13522	23-14486	23-14486	23-14524	23-14524	23-14524
Quotation No.: Q22-29452				**Chemtest Sample ID.:**		1628822	1632590	1632591	1632840	1632842	1632843
Order No.: 5221420/CHE				Client Sample Ref.:		ES	ES	ES			
				Client Sample ID.:		1	2	2	2	1	1
				Sample Location:		BH23-02	BH23-01	BH23-02	BH23-04	BH23-05	BH23-03
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		0.6	2.5	1.8	1.70	1.20	0.30
				Bottom Depth (m):		0.7		1.9	1.70	1.20	0.30
				Date Sampled:		19-Apr-2023	21-Apr-2023	24-Apr-2023	25-Apr-2023	24-Apr-2023	24-Apr-2023
Determinand	**Accred.**	**SOP**	**Type**	**Units**	**LOD**						
Naphthalene	U	1700	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	77	< 0.10
Acenaphthylene	U	1700	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	1700	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	1700	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	1700	10:1	µg/l	0.10	2.8	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	U	1700	10:1	µg/l	0.10	2.7	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	U	1700	10:1	µg/l	0.10	7.3	< 0.10	< 0.10	< 0.10	13	< 0.10
Pyrene	U	1700	10:1	µg/l	0.10	8.7	< 0.10	< 0.10	< 0.10	13	< 0.10
Benzo[a]anthracene	U	1700	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	N	1700	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	1700	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	1700	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	1700	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	1700	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	1700	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	1700	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	1700	10:1	µg/l	2.0	22	< 2.0	< 2.0	< 2.0	100	< 2.0
Benzene	U	1760	10:1	µg/l	1.0	< 1.0	< 1.0	< 1.0	1900	8.3	< 1.0
Toluene	U	1760	10:1	µg/l	1.0	< 1.0	< 1.0	< 1.0	190	2.0	< 1.0
Ethylbenzene	U	1760	10:1	µg/l	1.0	< 1.0	< 1.0	< 1.0	17	< 1.0	< 1.0
m & p-Xylene	U	1760	10:1	µg/l	1.0	< 1.0	< 1.0	< 1.0	72	< 1.0	< 1.0
o-Xylene	U	1760	10:1	µg/l	1.0	< 1.0	< 1.0	< 1.0	31	< 1.0	< 1.0
PCB 28	N	1815	10:1	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 52	N	1815	10:1	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 90+101	N	1815	10:1	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 118	N	1815	10:1	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 153	N	1815	10:1	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 138	N	1815	10:1	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 180	N	1815	10:1	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total PCBs (7 congeners)	N	1815	10:1	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Resorcinol	U	1920	10:1	mg/l	0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Phenol	U	1920	10:1	mg/l	0.0050	< 0.0050	< 0.0050	< 0.0050	0.13	0.064	< 0.0050
Cresols	U	1920	10:1	mg/l	0.0050	< 0.0050	< 0.0050	< 0.0050	0.35	0.021	< 0.0050
Xylenols	U	1920	10:1	mg/l	0.0050	< 0.0050	< 0.0050	< 0.0050	0.46	0.014	< 0.0050
1-Naphthol	N	1920	10:1	mg/l	0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Trimethylphenols	U	1920	10:1	mg/l	0.0050	< 0.0050	< 0.0050	< 0.0050	0.081	< 0.0050	< 0.0050
Total Phenols	U	1920	10:1	mg/l	0.030	< 0.030	< 0.030	< 0.030	1.0	0.099	< 0.030

Results - Soil

Project: NGET Tottenham

Client: Atkins Ltd					**Chemtest Job No.:**	23-13522	23-13522	23-13522	23-13522	23-13522	23-13522	23-13522	23-13522	23-14477	23-14477
Quotation No.: Q22-29452					**Chemtest Sample ID.:**	1628815	1628816	1628817	1628818	1628819	1628820	1628821	1628822	1632554	1632555
Order No.: 5221420/CHE					Client Sample Ref.:	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
					Client Sample ID.:	1	2		1				1	1	1
					Sample Location:	VP23-01	VP23-01	HP23-04	BH23-01	HP23-03	HP23-05	HP23-06	BH23-02	H23-08	H23-07
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):	0.3	0.9	0.1	0.4	0.2	0.2	0.1	0.6	0.1	0.2
					Bottom Depth (m):		1.0		0.5	0.2	0.2	0.1	0.7	0.2	0.2
					Date Sampled:	19-Apr-2023	19-Apr-2023	19-Apr-2023	19-Apr-2023	19-Apr-2023	19-Apr-2023	19-Apr-2023	19-Apr-2023	26-Apr-2023	26-Apr-2023
					Asbestos Lab:	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**Accred.**	**SOP**	**Units**	**LOD**											
ACM Type	U	2192		N/A		-	-	-	-	-	-	-	-	Fibres/Clumps	-
Asbestos Identification	U	2192		N/A		No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Crocidolite	No Asbestos Detected
Asbestos by Gravimetry	U	2192	%	0.001										0.011	
Total Asbestos	U	2192	%	0.001										0.011	
Moisture	N	2030	%	0.020		20	23	13	18	19	17	15	24	19	26
Soil Colour	N	2040		N/A		Brown	Brown	Brown	Brown	Brown	Beige	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A		Stones	Stones	Stones	Stones	Stones	45% Stones	Stones	Stones	30% Stones	Stones
Soil Texture	N	2040		N/A		Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand
pH	M	2010		4.0		8.3	7.8	7.8	7.7	7.6	6.8	7.7	8.6	8.4	8.3
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40		1.2	1.2	7.0	2.1	1.2	1.1	0.43	0.54	1.9	< 0.40
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010		0.020	0.094	0.071	0.53	0.15	0.15	< 0.010	0.010	< 0.010	< 0.010
Sulphur (Elemental)	M	2180	mg/kg	1.0		36	4.3	1.3	< 1.0	7.0	< 1.0	3.5	33	3.2	1.6
Chloride (Water Soluble)	M	2220	g/l	0.010		< 0.010	< 0.010	0.013	< 0.010	< 0.010	< 0.010	< 0.010	0.043	< 0.010	< 0.010
Cyanide (Complex)	M	2300	mg/kg	0.50		52	28	3.2	< 0.50	49	0.60	< 0.50	< 0.50	< 0.50	< 0.50
Cyanide (Free)	M	2300	mg/kg	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cyanide (Total)	M	2300	mg/kg	0.50		52	28	3.2	< 0.50	49	0.60	< 0.50	< 0.50	< 0.50	< 0.50
Thiocyanate	M	2300	mg/kg	5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ammonium (Extractable)	M	2425	mg/kg	0.50		5.5	6.6	22	2.3	5.7	2.3	4.4	3.8	4.8	8.4
Arsenic	M	2455	mg/kg	0.5		27	50	17	7.2	14	37	7.7	18	32	24
Barium	M	2455	mg/kg	0		430	1200	310	110	270	20	130	190	340	250
Beryllium	U	2455	mg/kg	0.5		1.9	4.2	1.3	0.6	1.0	1.0	1.0	1.2	2.0	1.9
Cadmium	M	2455	mg/kg	0.10		0.79	3.5	0.99	0.26	0.79	< 0.10	0.80	0.30	0.69	0.78
Chromium	M	2455	mg/kg	0.5		30	47	32	15	20	2.2	18	27	34	23
Copper	M	2455	mg/kg	0.50		380	760	180	25	330	19	53	130	11000	170
Mercury	M	2455	mg/kg	0.05		3.2	3.9	1.3	0.18	0.64	< 0.05	0.12	1.3	1.0	0.86
Nickel	M	2455	mg/kg	0.50		44	79	32	18	23	1.0	22	25	37	32
Lead	M	2455	mg/kg	0.50		1100	3400	600	97	380	8.5	100	460	620	410
Selenium	M	2455	mg/kg	0.25		1.4	2.3	1.1	1.0	1.1	0.28	1.8	0.78	1.4	1.0
Vanadium	U	2455	mg/kg	0.5		42	59	41	22	27	2.0	29	49	55	39
Zinc	M	2455	mg/kg	0.50		580	1400	440	120	320	19	430	220	450	370
Aliphatic VPH >C5-C6	U	2780	mg/kg	0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C7	U	2780	mg/kg	0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C7-C8	U	2780	mg/kg	0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C8-C10	U	2780	mg/kg	0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.14	< 0.05	< 0.05	< 0.05
Total Aliphatic VPH >C5-C10	U	2780	mg/kg	0.25		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Aliphatic EPH >C10-C12	M	2690	mg/kg	2.00		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2.5	2.4
Aliphatic EPH >C12-C16	M	2690	mg/kg	1.00		2.8	1.8	< 1.0	1.1	< 1.0	< 1.0	< 1.0	1.9	2.6	3.1
Aliphatic EPH >C16-C21	M	2690	mg/kg	2.00		4.4	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2.7	2.2	3.4

Results - Soil

Project: NGET Tottenham

Client: Atkins Ltd					**Chemtest Job No.:**	23-13522	23-13522	23-13522	23-13522	23-13522	23-13522	23-13522	23-13522	23-14477	23-14477
Quotation No.: Q22-29452					**Chemtest Sample ID.:**	1628815	1628816	1628817	1628818	1628819	1628820	1628821	1628822	1632554	1632555
Order No.: 5221420/CHE					Client Sample Ref.:	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
					Client Sample ID.:	1	2		1				1	1	1
					Sample Location:	VP23-01	VP23-01	HP23-04	BH23-01	HP23-03	HP23-05	HP23-06	BH23-02	H23-08	H23-07
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):	0.3	0.9	0.1	0.4	0.2	0.2	0.1	0.6	0.1	0.2
					Bottom Depth (m):		1.0		0.5	0.2	0.2	0.1	0.7	0.2	0.2
					Date Sampled:	19-Apr-2023	19-Apr-2023	19-Apr-2023	19-Apr-2023	19-Apr-2023	19-Apr-2023	19-Apr-2023	19-Apr-2023	26-Apr-2023	26-Apr-2023
					Asbestos Lab:	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**Accred.**	**SOP**	**Units**	**LOD**											
Aliphatic EPH >C21-C35	M	2690	mg/kg	3.00		11	4.1	3.5	< 3.0	< 3.0	< 3.0	< 3.0	4.9	6.1	13
Aliphatic EPH >C35-C40	N	2690	mg/kg	10.00		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Total Aliphatic EPH >C10-C35	M	2690	mg/kg	5.00		20	7.9	7.0	6.2	< 5.0	< 5.0	< 5.0	11	13	22
Aromatic VPH >C5-C7	U	2780	mg/kg	0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic VPH >C7-C8	U	2780	mg/kg	0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic VPH >C8-C10	U	2780	mg/kg	0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total Aromatic VPH >C5-C10	U	2780	mg/kg	0.25		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Aromatic EPH >C10-C12	U	2690	mg/kg	1.00		6.4	4.5	3.4	< 1.0	< 1.0	< 1.0	< 1.0	3.4	3.1	5.9
Aromatic EPH >C12-C16	U	2690	mg/kg	1.00		21	6.7	3.9	< 1.0	< 1.0	< 1.0	< 1.0	6.4	5.3	5.7
Aromatic EPH >C16-C21	U	2690	mg/kg	2.00		110	23	12	5.3	2.4	< 2.0	2.2	47	29	31
Aromatic EPH >C21-C35	U	2690	mg/kg	2.00		210	27	17	10	3.7	< 2.0	6.8	72	30	47
Aromatic EPH >C35-C40	N	2690	mg/kg	1.00		17	3.5	3.8	1.5	< 1.0	< 1.0	1.5	10	7.2	6.2
Total Aromatic EPH >C10-C35	U	2690	mg/kg	5.00		350	61	37	16	6.6	< 5.0	9.0	130	67	89
Total VPH >C5-C10	U	2780	mg/kg	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total EPH >C10-C35	U	2690	mg/kg	10.00		370	69	44	22	10	< 10	11	140	81	110
LOI	M	2610	%	0.10		6.6	18	5.8	1.6	8.6	1.1	2.9	5.7	7.2	20
Fraction of Organic Carbon	M	2625		0.0010									0.046		
Benzene	M	2760	µg/kg	1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	M	2760	µg/kg	1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	M	2760	µg/kg	1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m & p-Xylene	M	2760	µg/kg	1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene	M	2760	µg/kg	1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	M	2800	mg/kg	0.10		1.8	0.56	< 0.10	< 0.10	2.3	< 0.10	1.7	2.1	0.67	0.61
Acenaphthylene	N	2800	mg/kg	0.10		2.2	0.28	< 0.10	< 0.10	0.94	< 0.10	0.38	0.82	0.40	0.96
Acenaphthene	M	2800	mg/kg	0.10		0.71	0.22	< 0.10	< 0.10	0.63	< 0.10	0.65	2.9	< 0.10	< 0.10
Fluorene	M	2800	mg/kg	0.10		0.43	< 0.10	< 0.10	< 0.10	0.32	< 0.10	0.15	2.1	0.12	0.23
Phenanthrene	M	2800	mg/kg	0.10		3.3	0.65	0.28	< 0.10	3.5	< 0.10	0.70	31	1.6	2.3
Anthracene	M	2800	mg/kg	0.10		1.9	0.23	< 0.10	< 0.10	1.3	< 0.10	0.33	7.8	0.52	0.56
Fluoranthene	M	2800	mg/kg	0.10		11	2.0	0.55	0.23	7.1	< 0.10	2.1	50	3.8	4.0
Pyrene	M	2800	mg/kg	0.10		14	2.1	0.60	0.26	6.8	< 0.10	2.0	40	3.7	4.8
Benzo[a]anthracene	M	2800	mg/kg	0.10		8.7	1.5	0.29	< 0.10	3.7	< 0.10	1.3	25	2.2	2.4
Chrysene	M	2800	mg/kg	0.10		9.0	1.3	0.26	< 0.10	4.1	< 0.10	1.5	25	2.3	2.9
Benzo[b]fluoranthene	M	2800	mg/kg	0.10		15	2.6	0.66	< 0.10	4.0	< 0.10	3.3	32	2.9	3.1
Benzo[k]fluoranthene	M	2800	mg/kg	0.10		6.0	0.86	0.18	< 0.10	1.2	< 0.10	1.1	12	1.1	1.1
Benzo[a]pyrene	M	2800	mg/kg	0.10		13	2.0	0.40	< 0.10	3.4	< 0.10	2.1	26	2.5	2.4
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10		9.9	1.7	< 0.10	< 0.10	3.2	< 0.10	3.5	20	1.7	1.7
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10		1.9	< 0.10	< 0.10	< 0.10	1.5	< 0.10	0.60	3.7	0.30	0.33
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10		9.6	1.4	< 0.10	< 0.10	3.3	< 0.10	3.1	18	1.6	1.6
Total Of 16 PAH's	N	2800	mg/kg	2.0		110	17	3.2	< 2.0	47	< 2.0	25	300	25	29

Results - Soil

Project: NGET Tottenham

Client: Atkins Ltd					**Chemtest Job No.:**	23-13522	23-13522	23-13522	23-13522	23-13522	23-13522	23-13522	23-13522	23-14477	23-14477
Quotation No.: Q22-29452					**Chemtest Sample ID.:**	1628815	1628816	1628817	1628818	1628819	1628820	1628821	1628822	1632554	1632555
Order No.: 5221420/CHE					Client Sample Ref.:	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
					Client Sample ID.:	1	2		1				1	1	1
					Sample Location:	VP23-01	VP23-01	HP23-04	BH23-01	HP23-03	HP23-05	HP23-06	BH23-02	H23-08	H23-07
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):	0.3	0.9	0.1	0.4	0.2	0.2	0.1	0.6	0.1	0.2
					Bottom Depth (m):		1.0		0.5	0.2	0.2	0.1	0.7	0.2	0.2
					Date Sampled:	19-Apr-2023	19-Apr-2023	19-Apr-2023	19-Apr-2023	19-Apr-2023	19-Apr-2023	19-Apr-2023	19-Apr-2023	26-Apr-2023	26-Apr-2023
					Asbestos Lab:	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**Accred.**	**SOP**	**Units**	**LOD**											
PCB 28	U	2815	mg/kg	0.010								< 0.010		
PCB 52	U	2815	mg/kg	0.010								< 0.010		
PCB 90+101	U	2815	mg/kg	0.010								< 0.010		
PCB 118	U	2815	mg/kg	0.010								< 0.010		
PCB 153	U	2815	mg/kg	0.010								< 0.010		
PCB 138	U	2815	mg/kg	0.010								< 0.010		
PCB 180	U	2815	mg/kg	0.010								< 0.010		
Total PCBs (7 Congeners)	U	2815	mg/kg	0.10								< 0.10		
Resorcinol	M	2920	mg/kg	0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Phenol	M	2920	mg/kg	0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.082	0.093
Cresols	M	2920	mg/kg	0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.078
Xylenols	M	2920	mg/kg	0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
1-Naphthol	N	2920	mg/kg	0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Trimethylphenols	M	2920	mg/kg	0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Total Phenols	M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.17

Results - Soil

Project: NGET Tottenham

Client: Atkins Ltd				**Chemtest Job No.:**	23-14477	23-14477	23-14477	23-14477	23-14486	23-14486	23-14486	23-14486	23-14524	23-14524
Quotation No.: Q22-29452				**Chemtest Sample ID.:**	1632556	1632557	1632558	1632559	1632590	1632591	1632592	1632593	1632840	1632841
Order No.: 5221420/CHE				Client Sample Ref.:	ES	ES	ES	ES	ES	ES		ES		
				Client Sample ID.:	1	1	1	1	2	2		1	2	1
				Sample Location:	H23-11	H23-10	H23-01	H23-09	BH23-01	BH23-02	DUP 1	HP23-02	BH23-04	BH23-04
				Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):	0.3	0.2	0.1	0.1	2.5	1.8		0.2	1.70	
				Bottom Depth (m):	0.3	0.3	0.1	0.1		1.9		0.3	1.70	
				Date Sampled:	27-Apr-2023	27-Apr-2023	27-Apr-2023	26-Apr-2023	21-Apr-2023	24-Apr-2023	24-Apr-2023	24-Apr-2023	25-Apr-2023	24-Apr-2023
				Asbestos Lab:	DURHAM	DURHAM	DURHAM	DURHAM	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	DURHAM	DURHAM
Determinand	**Accred.**	**SOP**	**Units**	**LOD**										
ACM Type	U	2192		N/A	-	-	-	-	-	-	-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Asbestos by Gravimetry	U	2192	%	0.001										
Total Asbestos	U	2192	%	0.001										
Moisture	N	2030	%	0.020	19	23	19	18	12	16	20	16	49	15
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones	Stones	Stones	None	Stones	Stones	Stones	Stones	Stones	45% Stones
Soil Texture	N	2040		N/A	Sand	Clay	Sand	Sand	Clay	Clay	Clay	Sand	Clay	Clay
pH	M	2010		4.0	8.6	8.3	8.5	8.4	8.1	8.1	8.1	8.4	7.8	7.7
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	0.50	1.1	1.7	0.96	1.4	1.6	0.85	6.5	3.3	1.4
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.16	0.074	< 0.010	0.033	1.9	1.5
Sulphur (Elemental)	M	2180	mg/kg	1.0	13	5.3	14	5.0	6.9	< 1.0	2.9	< 1.0	170	71
Chloride (Water Soluble)	M	2220	g/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.016	0.36	0.024
Cyanide (Complex)	M	2300	mg/kg	0.50	20	18	7.4	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	4300
Cyanide (Free)	M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	5.0
Cyanide (Total)	M	2300	mg/kg	0.50	20	18	7.4	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	4300
Thiocyanate	M	2300	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	22
Ammonium (Extractable)	M	2425	mg/kg	0.50	1.2	3.5	1.4	7.7	3.0	< 0.50	8.4	< 0.50	250	58
Arsenic	M	2455	mg/kg	0.5	24	17	31	18	16	27	18	7.6	330	67
Barium	M	2455	mg/kg	0	270	140	340	190	370	170	120	410	140	55
Beryllium	U	2455	mg/kg	0.5	1.1	0.8	2.8	1.1	0.6	2.7	1.0	0.8	0.7	< 0.5
Cadmium	M	2455	mg/kg	0.10	0.60	1.4	0.63	0.68	0.29	6.5	0.15	0.28	1.7	0.39
Chromium	M	2455	mg/kg	0.5	24	36	20	21	23	30	51	200	33	2.0
Copper	M	2455	mg/kg	0.50	97	71	210	170	270	600	55	44	94	24
Mercury	M	2455	mg/kg	0.05	2.7	4.6	0.50	0.52	1.4	0.12	0.43	0.13	16	8.1
Nickel	M	2455	mg/kg	0.50	33	28	42	29	26	160	41	39	26	14
Lead	M	2455	mg/kg	0.50	940	250	380	270	720	190	260	130	170	340
Selenium	M	2455	mg/kg	0.25	0.99	1.4	1.0	0.76	0.84	1.3	0.98	0.89	3.6	1.5
Vanadium	U	2455	mg/kg	0.5	50	47	44	30	42	70	83	51	33	1.7
Zinc	M	2455	mg/kg	0.50	360	2900	930	300	200	4000	110	210	310	91
Aliphatic VPH >C5-C6	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	1.58	7.15
Aliphatic VPH >C6-C7	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	2.4	7.8
Aliphatic VPH >C7-C8	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	2.3	7.2
Aliphatic VPH >C8-C10	U	2780	mg/kg	0.05	< 0.05	< 0.05	0.12	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	2.3	14
Total Aliphatic VPH >C5-C10	U	2780	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	8.6	36
Aliphatic EPH >C10-C12	M	2690	mg/kg	2.00	< 2.0	2.0	2.6	3.4	2.6	2.7	2.8	3.3	270	1800
Aliphatic EPH >C12-C16	M	2690	mg/kg	1.00	3.1	3.3	3.3	3.8	1.3	1.2	9.3	5.6	1600	9800
Aliphatic EPH >C16-C21	M	2690	mg/kg	2.00	2.7	3.8	6.0	5.8	< 2.0	< 2.0	6.0	7.0	910	4300

Results - Soil

Project: NGET Tottenham

Client: Atkins Ltd					**Chemtest Job No.:**	23-14477	23-14477	23-14477	23-14477	23-14486	23-14486	23-14486	23-14486	23-14524	23-14524
Quotation No.: Q22-29452					**Chemtest Sample ID.:**	1632556	1632557	1632558	1632559	1632590	1632591	1632592	1632593	1632840	1632841
Order No.: 5221420/CHE					Client Sample Ref.:	ES	ES	ES	ES	ES	ES		ES		
					Client Sample ID.:	1	1	1	1	2	2		1	2	1
					Sample Location:	H23-11	H23-10	H23-01	H23-09	BH23-01	BH23-02	DUP 1	HP23-02	BH23-04	BH23-04
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):	0.3	0.2	0.1	0.1	2.5	1.8		0.2	1.70	
					Bottom Depth (m):	0.3	0.3	0.1	0.1		1.9		0.3	1.70	
					Date Sampled:	27-Apr-2023	27-Apr-2023	27-Apr-2023	26-Apr-2023	21-Apr-2023	24-Apr-2023	24-Apr-2023	24-Apr-2023	25-Apr-2023	24-Apr-2023
					Asbestos Lab:	DURHAM	DURHAM	DURHAM	DURHAM	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	DURHAM	DURHAM
Determinand	**Accred.**	**SOP**	**Units**	**LOD**											
Aliphatic EPH >C21-C35	M	2690	mg/kg	3.00		7.3	12	16	20	3.2	< 3.0	10	12	170	360
Aliphatic EPH >C35-C40	N	2690	mg/kg	10.00		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	78	39
Total Aliphatic EPH >C10-C35	M	2690	mg/kg	5.00		15	21	28	33	7.6	< 5.0	29	28	3000	16000
Aromatic VPH >C5-C7	U	2780	mg/kg	0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	180	410
Aromatic VPH >C7-C8	U	2780	mg/kg	0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	24	88
Aromatic VPH >C8-C10	U	2780	mg/kg	0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	27	54
Total Aromatic VPH >C5-C10	U	2780	mg/kg	0.25		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	230	550
Aromatic EPH >C10-C12	U	2690	mg/kg	1.00		4.2	4.8	5.3	3.4	< 1.0	< 1.0	8.9	9.7	560	3700
Aromatic EPH >C12-C16	U	2690	mg/kg	1.00		3.7	3.5	7.2	5.6	< 1.0	< 1.0	12	19	5600	16000
Aromatic EPH >C16-C21	U	2690	mg/kg	2.00		16	14	36	21	< 2.0	4.9	71	34	5100	14000
Aromatic EPH >C21-C35	U	2690	mg/kg	2.00		37	15	71	53	3.5	6.3	150	25	9000	13000
Aromatic EPH >C35-C40	N	2690	mg/kg	1.00		9.7	5.9	8.9	8.1	< 1.0	1.5	13	13	930	1700
Total Aromatic EPH >C10-C35	U	2690	mg/kg	5.00		60	37	120	83	5.4	12	240	88	20000	46000
Total VPH >C5-C10	U	2780	mg/kg	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	240	590
Total EPH >C10-C35	U	2690	mg/kg	10.00		75	58	150	120	13	16	270	120	23000	63000
LOI	M	2610	%	0.10		6.5	4.9	16	11	5.9	3.6	4.8	6.3	43	69
Fraction of Organic Carbon	M	2625		0.0010						0.032	0.0073			0.13	
Benzene	M	2760	µg/kg	1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	170000	55000
Toluene	M	2760	µg/kg	1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	81000	400000
Ethylbenzene	M	2760	µg/kg	1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1600	32000
m & p-Xylene	M	2760	µg/kg	1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	73000	440000
o-Xylene	M	2760	µg/kg	1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	26000	110000
Naphthalene	M	2800	mg/kg	0.10		0.96	0.31	0.75	0.52	< 0.10	0.45	0.57	< 0.10	11	1600
Acenaphthylene	N	2800	mg/kg	0.10		0.57	0.12	0.63	0.50	< 0.10	0.39	0.43	0.11	19	57
Acenaphthene	M	2800	mg/kg	0.10		< 0.10	< 0.10	0.13	< 0.10	< 0.10	0.33	0.45	< 0.10	3.1	14
Fluorene	M	2800	mg/kg	0.10		0.14	< 0.10	0.18	0.10	< 0.10	0.56	0.48	< 0.10	7.2	65
Phenanthrene	M	2800	mg/kg	0.10		2.7	0.56	1.0	0.84	< 0.10	9.2	5.1	0.34	21	1200
Anthracene	M	2800	mg/kg	0.10		0.76	0.18	0.36	0.31	< 0.10	2.6	1.5	0.14	9.8	68
Fluoranthene	M	2800	mg/kg	0.10		7.4	1.6	2.7	2.3	< 0.10	18	11	1.1	49	860
Pyrene	M	2800	mg/kg	0.10		6.9	1.4	4.0	2.5	< 0.10	14	8.8	1.1	71	660
Benzo[a]anthracene	M	2800	mg/kg	0.10		5.4	0.88	1.9	1.4	< 0.10	7.8	5.0	0.82	31	66
Chrysene	M	2800	mg/kg	0.10		5.8	1.1	1.9	1.6	< 0.10	7.9	5.1	0.71	30	59
Benzo[b]fluoranthene	M	2800	mg/kg	0.10		8.2	1.4	2.7	1.9	< 0.10	8.1	6.5	1.0	290	70
Benzo[k]fluoranthene	M	2800	mg/kg	0.10		3.0	0.50	0.99	0.71	< 0.10	3.6	2.4	0.35	51	29
Benzo[a]pyrene	M	2800	mg/kg	0.10		7.0	0.92	2.1	1.6	< 0.10	7.2	5.6	0.74	260	60
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10		5.6	0.83	1.6	1.1	< 0.10	14	3.7	0.55	92	38
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10		0.91	0.21	0.32	0.22	< 0.10	0.91	0.72	< 0.10	16	7.8
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10		5.2	0.78	1.4	1.0	< 0.10	5.1	3.5	0.53	80	30
Total Of 16 PAH's	N	2800	mg/kg	2.0		61	11	23	17	< 2.0	100	61	7.5	1000	4900

Results - Soil

Project: NGET Tottenham

Client: Atkins Ltd					**Chemtest Job No.:**	23-14477	23-14477	23-14477	23-14477	23-14486	23-14486	23-14486	23-14486	23-14524	23-14524
Quotation No.: Q22-29452					**Chemtest Sample ID.:**	1632556	1632557	1632558	1632559	1632590	1632591	1632592	1632593	1632840	1632841
Order No.: 5221420/CHE					Client Sample Ref.:	ES	ES	ES	ES	ES	ES		ES		
					Client Sample ID.:	1	1	1	1	2	2		1	2	1
					Sample Location:	H23-11	H23-10	H23-01	H23-09	BH23-01	BH23-02	DUP 1	HP23-02	BH23-04	BH23-04
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):	0.3	0.2	0.1	0.1	2.5	1.8		0.2	1.70	
					Bottom Depth (m):	0.3	0.3	0.1	0.1		1.9		0.3	1.70	
					Date Sampled:	27-Apr-2023	27-Apr-2023	27-Apr-2023	26-Apr-2023	21-Apr-2023	24-Apr-2023	24-Apr-2023	24-Apr-2023	25-Apr-2023	24-Apr-2023
					Asbestos Lab:	DURHAM	DURHAM	DURHAM	DURHAM	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	DURHAM	DURHAM
Determinand	**Accred.**	**SOP**	**Units**	**LOD**											
PCB 28	U	2815	mg/kg	0.010						< 0.010	< 0.010			< 0.010	
PCB 52	U	2815	mg/kg	0.010						< 0.010	< 0.010			< 0.010	
PCB 90+101	U	2815	mg/kg	0.010						< 0.010	< 0.010			< 0.010	
PCB 118	U	2815	mg/kg	0.010						< 0.010	< 0.010			< 0.010	
PCB 153	U	2815	mg/kg	0.010						< 0.010	< 0.010			< 0.010	
PCB 138	U	2815	mg/kg	0.010						< 0.010	< 0.010			< 0.010	
PCB 180	U	2815	mg/kg	0.010						< 0.010	< 0.010			< 0.010	
Total PCBs (7 Congeners)	U	2815	mg/kg	0.10						< 0.10	< 0.10			< 0.10	
Resorcinol	M	2920	mg/kg	0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Phenol	M	2920	mg/kg	0.020	< 0.020	< 0.020	< 0.020	0.096	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	12	0.17
Cresols	M	2920	mg/kg	0.020	< 0.020	< 0.020	< 0.020	0.084	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	44	9.0
Xylenols	M	2920	mg/kg	0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	69	79
1-Naphthol	N	2920	mg/kg	0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Trimethylphenols	M	2920	mg/kg	0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	64
Total Phenols	M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.18	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	130	150

Results - Soil

Project: NGET Tottenham

Client: Atkins Ltd				**Chemtest Job No.:**	23-14524	23-14524
Quotation No.: Q22-29452				**Chemtest Sample ID.:**	1632842	1632843
Order No.: 5221420/CHE				Client Sample Ref.:		
				Client Sample ID.:	1	1
				Sample Location:	BH23-05	BH23-03
				Sample Type:	SOIL	SOIL
				Top Depth (m):	1.20	0.30
				Bottom Depth (m):	1.20	0.30
				Date Sampled:	24-Apr-2023	24-Apr-2023
				Asbestos Lab:	DURHAM	DURHAM
Determinand	**Accred.**	**SOP**	**Units**	**LOD**		
ACM Type	U	2192		N/A	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected
Asbestos by Gravimetry	U	2192	%	0.001		
Total Asbestos	U	2192	%	0.001		
Moisture	N	2030	%	0.020	42	17
Soil Colour	N	2040		N/A	Black	Brown
Other Material	N	2040		N/A	30% Stones	10% Stones
Soil Texture	N	2040		N/A	Sand	Sand
pH	M	2010		4.0	8.8	8.4
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	0.90	1.8
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.71	0.73
Sulphur (Elemental)	M	2180	mg/kg	1.0	7.4	78
Chloride (Water Soluble)	M	2220	g/l	0.010	0.34	< 0.010
Cyanide (Complex)	M	2300	mg/kg	0.50	310	34
Cyanide (Free)	M	2300	mg/kg	0.50	< 0.50	< 0.50
Cyanide (Total)	M	2300	mg/kg	0.50	310	34
Thiocyanate	M	2300	mg/kg	5.0	7.0	< 5.0
Ammonium (Extractable)	M	2425	mg/kg	0.50	36	1.6
Arsenic	M	2455	mg/kg	0.5	130	23
Barium	M	2455	mg/kg	0	61	510
Beryllium	U	2455	mg/kg	0.5	0.7	2.1
Cadmium	M	2455	mg/kg	0.10	1.6	0.59
Chromium	M	2455	mg/kg	0.5	13	31
Copper	M	2455	mg/kg	0.50	100	140
Mercury	M	2455	mg/kg	0.05	33	1.5
Nickel	M	2455	mg/kg	0.50	31	39
Lead	M	2455	mg/kg	0.50	2200	530
Selenium	M	2455	mg/kg	0.25	20	1.7
Vanadium	U	2455	mg/kg	0.5	26	63
Zinc	M	2455	mg/kg	0.50	400	310
Aliphatic VPH >C5-C6	U	2780	mg/kg	0.05	0.32	< 0.05
Aliphatic VPH >C6-C7	U	2780	mg/kg	0.05	1.6	< 0.05
Aliphatic VPH >C7-C8	U	2780	mg/kg	0.05	4.9	< 0.05
Aliphatic VPH >C8-C10	U	2780	mg/kg	0.05	10	< 0.05
Total Aliphatic VPH >C5-C10	U	2780	mg/kg	0.25	17	< 0.25
Aliphatic EPH >C10-C12	M	2690	mg/kg	2.00	580	42
Aliphatic EPH >C12-C16	M	2690	mg/kg	1.00	2900	110
Aliphatic EPH >C16-C21	M	2690	mg/kg	2.00	1300	26

Results - Soil

Project: NGET Tottenham

Client: Atkins Ltd					**Chemtest Job No.:**	23-14524	23-14524
Quotation No.: Q22-29452					**Chemtest Sample ID.:**	1632842	1632843
Order No.: 5221420/CHE					Client Sample Ref.:		
					Client Sample ID.:	1	1
					Sample Location:	BH23-05	BH23-03
					Sample Type:	SOIL	SOIL
					Top Depth (m):	1.20	0.30
					Bottom Depth (m):	1.20	0.30
					Date Sampled:	24-Apr-2023	24-Apr-2023
					Asbestos Lab:	DURHAM	DURHAM
Determinand	**Accred.**	**SOP**	**Units**	**LOD**			
Aliphatic EPH >C21-C35	M	2690	mg/kg	3.00		360	8.8
Aliphatic EPH >C35-C40	N	2690	mg/kg	10.00		200	< 10
Total Aliphatic EPH >C10-C35	M	2690	mg/kg	5.00		5100	190
Aromatic VPH >C5-C7	U	2780	mg/kg	0.05		0.25	< 0.05
Aromatic VPH >C7-C8	U	2780	mg/kg	0.05		< 0.05	< 0.05
Aromatic VPH >C8-C10	U	2780	mg/kg	0.05		0.60	< 0.05
Total Aromatic VPH >C5-C10	U	2780	mg/kg	0.25		0.85	< 0.25
Aromatic EPH >C10-C12	U	2690	mg/kg	1.00		660	16
Aromatic EPH >C12-C16	U	2690	mg/kg	1.00		3000	730
Aromatic EPH >C16-C21	U	2690	mg/kg	2.00		2900	860
Aromatic EPH >C21-C35	U	2690	mg/kg	2.00		2200	980
Aromatic EPH >C35-C40	N	2690	mg/kg	1.00		140	340
Total Aromatic EPH >C10-C35	U	2690	mg/kg	5.00		8700	2600
Total VPH >C5-C10	U	2780	mg/kg	0.50		18	< 0.50
Total EPH >C10-C35	U	2690	mg/kg	10.00		14000	2800
LOI	M	2610	%	0.10		42	4.7
Fraction of Organic Carbon	M	2625		0.0010		0.42	0.056
Benzene	M	2760	µg/kg	1.0		110	4.7
Toluene	M	2760	µg/kg	1.0		40	2.2
Ethylbenzene	M	2760	µg/kg	1.0		51	< 1.0
m & p-Xylene	M	2760	µg/kg	1.0		77	< 1.0
o-Xylene	M	2760	µg/kg	1.0		48	< 1.0
Naphthalene	M	2800	mg/kg	0.10		120	0.93
Acenaphthylene	N	2800	mg/kg	0.10		34	0.42
Acenaphthene	M	2800	mg/kg	0.10		26	0.14
Fluorene	M	2800	mg/kg	0.10		31	0.20
Phenanthrene	M	2800	mg/kg	0.10		56	0.62
Anthracene	M	2800	mg/kg	0.10		57	0.38
Fluoranthene	M	2800	mg/kg	0.10		350	1.5
Pyrene	M	2800	mg/kg	0.10		490	1.7
Benzo[a]anthracene	M	2800	mg/kg	0.10		97	0.69
Chrysene	M	2800	mg/kg	0.10		99	0.67
Benzo[b]fluoranthene	M	2800	mg/kg	0.10		190	1.2
Benzo[k]fluoranthene	M	2800	mg/kg	0.10		46	0.43
Benzo[a]pyrene	M	2800	mg/kg	0.10		200	0.95
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10		84	0.94
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10		17	0.18
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10		76	0.92
Total Of 16 PAH's	N	2800	mg/kg	2.0		2000	12

Results - Soil

Project: NGET Tottenham

Client: Atkins Ltd			**Chemtest Job No.:**		23-14524	23-14524
Quotation No.: Q22-29452			**Chemtest Sample ID.:**		1632842	1632843
Order No.: 5221420/CHE			Client Sample Ref.:			
			Client Sample ID.:		1	1
			Sample Location:		BH23-05	BH23-03
			Sample Type:		SOIL	SOIL
			Top Depth (m):		1.20	0.30
			Bottom Depth (m):		1.20	0.30
			Date Sampled:		24-Apr-2023	24-Apr-2023
			Asbestos Lab:		DURHAM	DURHAM
Determinand	**Accred.**	**SOP**	**Units**	**LOD**		
PCB 28	U	2815	mg/kg	0.010	< 0.010	< 0.010
PCB 52	U	2815	mg/kg	0.010	< 0.010	< 0.010
PCB 90+101	U	2815	mg/kg	0.010	< 0.010	< 0.010
PCB 118	U	2815	mg/kg	0.010	< 0.010	< 0.010
PCB 153	U	2815	mg/kg	0.010	< 0.010	< 0.010
PCB 138	U	2815	mg/kg	0.010	< 0.010	< 0.010
PCB 180	U	2815	mg/kg	0.010	< 0.010	< 0.010
Total PCBs (7 Congeners)	U	2815	mg/kg	0.10	< 0.10	< 0.10
Resorcinol	M	2920	mg/kg	0.020	< 0.020	< 0.020
Phenol	M	2920	mg/kg	0.020	6.2	< 0.020
Cresols	M	2920	mg/kg	0.020	2.1	< 0.020
Xylenols	M	2920	mg/kg	0.020	< 0.020	< 0.020
1-Naphthol	N	2920	mg/kg	0.020	< 0.020	< 0.020
Trimethylphenols	M	2920	mg/kg	0.020	< 0.020	< 0.020
Total Phenols	M	2920	mg/kg	0.10	8.2	< 0.10

Results - 2 Stage WAC

Project: NGET TOTTENHAM

							Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	23-14488						**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Chemtest Sample ID:	1632603								
Sample Ref:	1								
Sample ID:									
Sample Location:	WAC								
Top Depth(m):									
Bottom Depth(m):									
Sampling Date:	26-Apr-2023								
Determinand	**SOP**	**Accred.**	**Units**						
Total Organic Carbon	2625	M	%			8.7	3	5	6
Loss On Ignition	2610	M	%			5.2	--	--	10
Total BTEX	2760	M	mg/kg			< 0.010	6	--	--
Total PCBs (7 Congeners)	2815	M	mg/kg			< 0.10	1	--	--
TPH Total WAC	2670	M	mg/kg			740	500	--	--
Total (Of 17) PAH's	2700	N	mg/kg			22	100	--	--
pH	2010	M				8.5	--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg			0.010	--	To evaluate	To evaluate
Eluate Analysis			**2:1 mg/l**	**8:1 mg/l**	**2:1 mg/kg**	**Cumulative mg/kg 10:1**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455	U	0.0045	0.0012	0.0091	0.016	0.5	2	25
Barium	1455	U	0.072	0.023	0.14	0.29	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	0.0013	< 0.0005	0.0026	0.0016	0.5	10	70
Copper	1455	U	0.0063	0.0022	0.013	0.0081	2	50	100
Mercury	1455	U	< 0.00005	0.00005	< 0.00005	0.00044	0.01	0.2	2
Molybdenum	1455	U	0.023	0.0004	0.047	0.032	0.5	10	30
Nickel	1455	U	0.0015	< 0.0005	0.0030	0.0018	0.4	10	40
Lead	1455	U	0.0011	0.0058	0.0023	0.053	0.5	10	50
Antimony	1455	U	0.0065	0.0005	0.013	0.013	0.06	0.7	5
Selenium	1455	U	0.011	0.0006	0.022	0.019	0.1	0.5	7
Zinc	1455	U	0.024	0.027	0.047	0.27	4	50	200
Chloride	1220	U	32	< 1.0	64	39	800	15000	25000
Fluoride	1220	U	0.92	0.11	1.8	2.1	10	150	500
Sulphate	1220	U	870	30	1700	1300	1000	20000	50000
Total Dissolved Solids	1020	N	910	100	1800	2000	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.030	< 0.30	< 0.50	1	-	-
Dissolved Organic Carbon	1610	U	13	2.6	< 50	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	5.1

Leachate Test Information	
Leachant volume 1st extract/l	0.341
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.213

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - 2 Stage WAC

Project: NGET Tottenham

							Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	23-14526								
Chemtest Sample ID:	1632853								
Sample Ref:									
Sample ID:	1								
Sample Location:	BH23-04								
Top Depth(m):									
Bottom Depth(m):									
Sampling Date:	24-Apr-2023								
Determinand	**SOP**	**Accred.**	**Units**				**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Total Organic Carbon	2625	M	%			20	3	5	6
Loss On Ignition	2610	M	%			2.3	--	--	10
Total BTEX	2760	M	mg/kg			[B] 1100	6	--	--
Total PCBs (7 Congeners)	2815	M	mg/kg			< 0.10	1	--	--
TPH Total WAC	2670	M	mg/kg			[B] 72000	500	--	--
Total (Of 17) PAH's	2700	N	mg/kg			12000	100	--	--
pH	2010	M				7.8	--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg			0.016	--	To evaluate	To evaluate
Eluate Analysis			**2:1 mg/l**	**8:1 mg/l**	**2:1 mg/kg**	**Cumulative mg/kg 10:1**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455	U	0.039	0.0092	0.077	0.14	0.5	2	25
Barium	1455	U	0.026	0.007	0.052	0.10	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.5	10	70
Copper	1455	U	0.0014	0.0012	0.0027	0.0025	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.0007	< 0.0002	0.0014	0.0012	0.5	10	30
Nickel	1455	U	0.0032	< 0.0005	0.0062	0.0057	0.4	10	40
Lead	1455	U	< 0.0005	0.0011	< 0.0005	0.0087	0.5	10	50
Antimony	1455	U	0.0021	< 0.0005	0.0041	0.0037	0.06	0.7	5
Selenium	1455	U	0.0015	< 0.0005	0.0030	0.0027	0.1	0.5	7
Zinc	1455	U	0.014	0.004	0.027	0.056	4	50	200
Chloride	1220	U	4.2	< 1.0	< 10	< 10	800	15000	25000
Fluoride	1220	U	1.5	1.2	3.0	13	10	150	500
Sulphate	1220	U	560	27	1100	1200	1000	20000	50000
Total Dissolved Solids	1020	N	710	71	1400	1800	4000	60000	100000
Phenol Index	1920	U	8.6	1.3	17	26	1	-	-
Dissolved Organic Carbon	1610	U	20	19	< 50	190	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	15

Leachate Test Information	
Leachant volume 1st extract/l	0.319
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.313

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Deviations

In accordance with UKAS Policy on Deviating Samples TPS 63. Chemtest have a procedure to ensure 'upon receipt of each sample a competent laboratory shall assess whether the sample is suitable with regard to the requested test(s)'. This policy and the respective holding times applied, can be supplied upon request.The reason a sample is declared as deviating is detailed below. Where applicable the analysis remains UKAS/MCERTs accredited but the results may be compromised.

Sample:	Sample Ref:	Sample ID:	Sample Location:	Sampled Date:	Deviation Code(s):	Containers Received:
1632853		1	BH23-04	24-Apr-2023	B	Amber Glass 250ml
1632853		1	BH23-04	24-Apr-2023	B	Amber Glass 60ml
1632853		1	BH23-04	24-Apr-2023	B	Plastic Tub 500g

Test Methods

SOP	Title	Parameters included	Method summary
1010	pH Value of Waters	pH	pH Meter
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Conductivity Meter
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.
1300	Cyanides & Thiocyanate in Waters	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Continuous Flow Analysis.
1325	Sulphide in Waters	Sulphides	Automated colorimetric analysis by 'Aquakem 600' Discrete Analyser using N,N–dimethyl-pphenylenediamine.
1455	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation
1675	TPH Aliphatic/Aromatic split in Waters by GC-FID(cf. Texas Method 1006 / TPH CWG)	Aliphatics: >C5–C6, >C6–C8, >C8– C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Pentane extraction / GCxGC FID detection
1700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Waters by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
1760	Volatile Organic Compounds (VOCs) in Waters by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics. (cf. USEPA Method 8260)	Automated headspace gas chromatographic (GC) analysis of water samples with mass spectrometric (MS) detection of volatile organic compounds.
1815	Polychlorinated Biphenyls (PCB) ICES7 Congeners in Waters by GC-MS	ICES7 PCB congeners	Solvent extraction / GCMS detection
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.
2010	pH Value of Soils	pH	pH Meter
2015	Acid Neutralisation Capacity	Acid Reserve	Titration
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2180	Sulphur (Elemental) in Soils by HPLC	Sulphur	Dichloromethane extraction / HPLC with UV detection
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measuremernt by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Allkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.
2425	Extractable Ammonium in soils	Ammonium	Extraction with potassium chloride solution / analysis by 'Aquakem 600' Discrete Analyser using sodium salicylate and sodium dichloroisocyanurate.

Test Methods

SOP	Title	Parameters included	Method summary
2450	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2610	Loss on Ignition	loss on ignition (LOI)	Determination of the proportion by mass that is lost from a soil by ignition at 550°C.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2670	Total Petroleum Hydrocarbons (TPH) in Soils by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO*TPH C8–C40	Dichloromethane extraction / GC-FID
2690	EPH A/A Split	Aliphatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40 Aromatics: >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35–C40	Acetone/Heptane extraction / GCxGC FID detection
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.
2780	VPH A/A Split	Aliphatics: >C5–C6, >C6–C7,>C7–C8,>C8-C10 Aromatics: >C5–C7,>C7-C8,>C8–C10	Water extraction / Headspace GCxGC FID detection
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenz[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS
2810	Polychlorinated Biphenyls (PCB) as Aroclors in Soils by GC-ECD	Polychlorinated Biphenyls expressed as an Aroclor (normally reported as *Aroclor 1242)	Extraction of a soil sample, as received, into hexane/acetone (50:50) followed by gas chromatography (GC) using mass spectrometric (MS) detection for identification of polychlorinated biphenyls and electron capture detection (ECD) for quanitation if present.
2815	Polychlorinated Biphenyls (PCB) ICES7Congeners in Soils by GC-MS	ICES7 PCB congeners	Acetone/Hexane extraction / GC-MS
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.
640	Characterisation of Waste (Leaching C10)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge
650	Characterisation of Waste (Leaching WAC)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at the indicated laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container
E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

Eurofins Chemtest Ltd
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.com

Final Report

Report No.:	23-14524-1
Initial Date of Issue:	23-May-2023
Re-Issue Details:	
Client	Atkins Ltd
Client Address:	The Hub 500 Park Avenue Bristol BS32 4RZ
Contact(s):	Zita Czinke Dan Peters
Project	NGET Tottenham
Quotation No.:	Q19-17666
Order No.:	5221420/CHE
No. of Samples:	4
Turnaround (Wkdays):	7
Date Approved:	23-May-2023
Approved By:	
Details:	Stuart Henderson, Technical Manager

Date Received:	02-May-2023
Date Instructed:	02-May-2023
Results Due:	11-May-2023

Results - Leachate

Project: NGET Tottenham

Client: Atkins Ltd				**Chemtest Job No.:**		23-14524	23-14524	23-14524
Quotation No.: Q19-17666				**Chemtest Sample ID.:**		1632840	1632842	1632843
				Client Sample ID.:		2	1	1
				Sample Location:		BH23-04	BH23-05	BH23-03
				Sample Type:		SOIL	SOIL	SOIL
				Top Depth (m):		1.70	1.20	0.30
				Bottom Depth (m):		1.70	1.20	0.30
				Date Sampled:		25-Apr-2023	24-Apr-2023	24-Apr-2023
Determinand	**Accred.**	**SOP**	**Type**	**Units**	**LOD**			
pH	U	1010	10:1		N/A	8.3	8.7	8.5
Electrical Conductivity	U	1020	10:1	µS/cm	1.0	250	190	160
Chloride	U	1220	10:1	mg/l	1.0	2.8	20	< 1.0
Ammonium	U	1220	10:1	mg/l	0.050	2.4	1.4	< 0.050
Sulphur	N	1220	10:1	mg/l	1.0	38	8.7	16
Sulphate	U	1220	10:1	mg/l	1.0	110	26	49
Cyanide (Total)	U	1300	10:1	mg/l	0.050	< 0.050	< 0.050	< 0.050
Cyanide (Free)	U	1300	10:1	mg/l	0.050	< 0.050	< 0.050	< 0.050
Thiocyanate	U	1300	10:1	mg/l	0.50	< 0.50	< 0.50	< 0.50
Cyanide (Complex)	U	1300	10:1	mg/l	0.050	< 0.050	< 0.050	< 0.050
Sulphide	U	1325	10:1	mg/l	0.050	< 0.050	< 0.050	< 0.050
Arsenic (Dissolved)	U	1455	10:1	µg/l	0.20	80	14	3.5
Cadmium (Dissolved)	U	1455	10:1	µg/l	0.11	< 0.11	< 0.11	< 0.11
Chromium (Dissolved)	U	1455	10:1	µg/l	0.50	< 0.50	< 0.50	< 0.50
Copper (Dissolved)	U	1455	10:1	µg/l	0.50	0.54	1.8	2.4
Mercury (Dissolved)	U	1455	10:1	µg/l	0.05	< 0.05	< 0.05	< 0.05
Nickel (Dissolved)	U	1455	10:1	µg/l	0.50	1.3	2.1	0.79
Lead (Dissolved)	U	1455	10:1	µg/l	0.50	0.58	4.2	0.81
Selenium (Dissolved)	U	1455	10:1	µg/l	0.50	0.65	7.6	0.58
Zinc (Dissolved)	U	1455	10:1	µg/l	2.5	22	15	20
Iron (Dissolved)	N	1455	10:1	µg/l	5.0	230	9800	15
Total Organic Carbon	U	1610	10:1	mg/l	2.0	20	27	3.3
Aliphatic TPH >C5-C6	N	1675	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C6-C8	N	1675	10:1	µg/l	0.10	140	< 0.10	< 0.10
Aliphatic TPH >C8-C10	N	1675	10:1	µg/l	0.10	1700	< 0.10	< 0.10
Aliphatic TPH >C10-C12	N	1675	10:1	µg/l	0.10	68	< 0.10	< 0.10
Aliphatic TPH >C12-C16	N	1675	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C16-C21	N	1675	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C21-C35	N	1675	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C35-C44	N	1675	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Total Aliphatic Hydrocarbons	N	1675	10:1	µg/l	5.0	1900	< 5.0	< 5.0
Aromatic TPH >C5-C7	N	1675	10:1	µg/l	0.10	130	< 0.10	< 0.10
Aromatic TPH >C7-C8	N	1675	10:1	µg/l	0.10	420	< 0.10	< 0.10
Aromatic TPH >C8-C10	N	1675	10:1	µg/l	0.10	4400	< 0.10	< 0.10
Aromatic TPH >C10-C12	N	1675	10:1	µg/l	0.10	550	< 0.10	< 0.10
Aromatic TPH >C12-C16	N	1675	10:1	µg/l	0.10	970	< 0.10	< 0.10
Aromatic TPH >C16-C21	N	1675	10:1	µg/l	0.10	130	< 0.10	< 0.10
Aromatic TPH >C21-C35	N	1675	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10

Results - Leachate

Project: NGET Tottenham

Client: Atkins Ltd				**Chemtest Job No.:**		23-14524	23-14524	23-14524
Quotation No.: Q19-17666				**Chemtest Sample ID.:**		1632840	1632842	1632843
				Client Sample ID.:		2	1	1
				Sample Location:		BH23-04	BH23-05	BH23-03
				Sample Type:		SOIL	SOIL	SOIL
				Top Depth (m):		1.70	1.20	0.30
				Bottom Depth (m):		1.70	1.20	0.30
				Date Sampled:		25-Apr-2023	24-Apr-2023	24-Apr-2023
Determinand	**Accred.**	**SOP**	**Type**	**Units**	**LOD**			
Total Aromatic Hydrocarbons	N	1675	10:1	µg/l	5.0	6600	< 5.0	< 5.0
Total Petroleum Hydrocarbons	N	1675	10:1	µg/l	10	8500	< 10	< 10
Naphthalene	U	1700	10:1	µg/l	0.10	< 0.10	77	< 0.10
Acenaphthylene	U	1700	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	1700	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	1700	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	1700	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Anthracene	U	1700	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	U	1700	10:1	µg/l	0.10	< 0.10	13	< 0.10
Pyrene	U	1700	10:1	µg/l	0.10	< 0.10	13	< 0.10
Benzo[a]anthracene	U	1700	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Chrysene	N	1700	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	1700	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	1700	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	1700	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	1700	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	1700	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	1700	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	1700	10:1	µg/l	2.0	< 2.0	100	< 2.0
Benzene	U	1760	10:1	µg/l	1.0	1900	8.3	< 1.0
Toluene	U	1760	10:1	µg/l	1.0	190	2.0	< 1.0
Ethylbenzene	U	1760	10:1	µg/l	1.0	17	< 1.0	< 1.0
m & p-Xylene	U	1760	10:1	µg/l	1.0	72	< 1.0	< 1.0
o-Xylene	U	1760	10:1	µg/l	1.0	31	< 1.0	< 1.0
PCB 28	N	1815	10:1	µg/l	0.010	< 0.010	< 0.010	< 0.010
PCB 52	N	1815	10:1	µg/l	0.010	< 0.010	< 0.010	< 0.010
PCB 90+101	N	1815	10:1	µg/l	0.010	< 0.010	< 0.010	< 0.010
PCB 118	N	1815	10:1	µg/l	0.010	< 0.010	< 0.010	< 0.010
PCB 153	N	1815	10:1	µg/l	0.010	< 0.010	< 0.010	< 0.010
PCB 138	N	1815	10:1	µg/l	0.010	< 0.010	< 0.010	< 0.010
PCB 180	N	1815	10:1	µg/l	0.010	< 0.010	< 0.010	< 0.010
Total PCBs (7 congeners)	N	1815	10:1	µg/l	0.010	< 0.010	< 0.010	< 0.010
Resorcinol	U	1920	10:1	mg/l	0.0050	< 0.0050	< 0.0050	< 0.0050
Phenol	U	1920	10:1	mg/l	0.0050	0.13	0.064	< 0.0050
Cresols	U	1920	10:1	mg/l	0.0050	0.35	0.021	< 0.0050
Xylenols	U	1920	10:1	mg/l	0.0050	0.46	0.014	< 0.0050
1-Naphthol	N	1920	10:1	mg/l	0.0050	< 0.0050	< 0.0050	< 0.0050
Trimethylphenols	U	1920	10:1	mg/l	0.0050	0.081	< 0.0050	< 0.0050

Results - Leachate

Project: NGET Tottenham

Client: Atkins Ltd						**Chemtest Job No.:**	23-14524	23-14524	23-14524
Quotation No.: Q19-17666						**Chemtest Sample ID.:**	1632840	1632842	1632843
						Client Sample ID.:	2	1	1
						Sample Location:	BH23-04	BH23-05	BH23-03
						Sample Type:	SOIL	SOIL	SOIL
						Top Depth (m):	1.70	1.20	0.30
						Bottom Depth (m):	1.70	1.20	0.30
						Date Sampled:	25-Apr-2023	24-Apr-2023	24-Apr-2023
Determinand	**Accred.**	**SOP**	**Type**	**Units**	**LOD**				
Total Phenols	U	1920	10:1	mg/l	0.030		1.0	0.099	< 0.030

Results - Soil

Project: NGET Tottenham

Client: Atkins Ltd				**Chemtest Job No.:**	23-14524	23-14524	23-14524	23-14524
Quotation No.: Q19-17666				**Chemtest Sample ID.:**	1632840	1632841	1632842	1632843
				Client Sample ID.:	2	1	1	1
				Sample Location:	BH23-04	BH23-04	BH23-05	BH23-03
				Sample Type:	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):	1.70		1.20	0.30
				Bottom Depth (m):	1.70		1.20	0.30
				Date Sampled:	25-Apr-2023	24-Apr-2023	24-Apr-2023	24-Apr-2023
				Asbestos Lab:	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**Accred.**	**SOP**	**Units**	**LOD**				
ACM Type	U	2192		N/A	-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture	N	2030	%	0.020	49	15	42	17
Soil Colour	N	2040		N/A	Brown	Brown	Black	Brown
Other Material	N	2040		N/A	Stones	45% Stones	30% Stones	10% Stones
Soil Texture	N	2040		N/A	Clay	Clay	Sand	Sand
pH	M	2010		4.0	7.8	7.7	8.8	8.4
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	3.3	1.4	0.90	1.8
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	1.9	1.5	0.71	0.73
Sulphur (Elemental)	M	2180	mg/kg	1.0	170	71	7.4	78
Chloride (Water Soluble)	M	2220	g/l	0.010	0.36	0.024	0.34	< 0.010
Cyanide (Complex)	M	2300	mg/kg	0.50	< 0.50	4300	310	34
Cyanide (Free)	M	2300	mg/kg	0.50	< 0.50	5.0	< 0.50	< 0.50
Cyanide (Total)	M	2300	mg/kg	0.50	< 0.50	4300	310	34
Thiocyanate	M	2300	mg/kg	5.0	< 5.0	22	7.0	< 5.0
Ammonium (Extractable)	M	2425	mg/kg	0.50	250	58	36	1.6
Arsenic	M	2455	mg/kg	0.5	330	67	130	23
Barium	M	2455	mg/kg	0	140	55	61	510
Beryllium	U	2455	mg/kg	0.5	0.7	< 0.5	0.7	2.1
Cadmium	M	2455	mg/kg	0.10	1.7	0.39	1.6	0.59
Chromium	M	2455	mg/kg	0.5	33	2.0	13	31
Copper	M	2455	mg/kg	0.50	94	24	100	140
Mercury	M	2455	mg/kg	0.05	16	8.1	33	1.5
Nickel	M	2455	mg/kg	0.50	26	14	31	39
Lead	M	2455	mg/kg	0.50	170	340	2200	530
Selenium	M	2455	mg/kg	0.25	3.6	1.5	20	1.7
Vanadium	U	2455	mg/kg	0.5	33	1.7	26	63
Zinc	M	2455	mg/kg	0.50	310	91	400	310
Aliphatic VPH >C5-C6	U	2780	mg/kg	0.05	1.58	7.15	0.32	< 0.05
Aliphatic VPH >C6-C7	U	2780	mg/kg	0.05	2.4	7.8	1.6	< 0.05
Aliphatic VPH >C7-C8	U	2780	mg/kg	0.05	2.3	7.2	4.9	< 0.05
Aliphatic VPH >C8-C10	U	2780	mg/kg	0.05	2.3	14	10	< 0.05
Total Aliphatic VPH >C5-C10	U	2780	mg/kg	0.25	8.6	36	17	< 0.25
Aliphatic EPH >C10-C12	M	2690	mg/kg	2.00	270	1800	580	42
Aliphatic EPH >C12-C16	M	2690	mg/kg	1.00	1600	9800	2900	110
Aliphatic EPH >C16-C21	M	2690	mg/kg	2.00	910	4300	1300	26

Results - Soil

Project: NGET Tottenham

Client: Atkins Ltd					**Chemtest Job No.:**	23-14524	23-14524	23-14524
Quotation No.: Q19-17666					**Chemtest Sample ID.:**	1632840	1632841	1632842	1632843
					Client Sample ID.:	2	1	1	1
					Sample Location:	BH23-04	BH23-04	BH23-05	BH23-03
					Sample Type:	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):	1.70		1.20	0.30
					Bottom Depth (m):	1.70		1.20	0.30
					Date Sampled:	25-Apr-2023	24-Apr-2023	24-Apr-2023	24-Apr-2023
					Asbestos Lab:	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**Accred.**	**SOP**	**Units**	**LOD**					
Aliphatic EPH >C21-C35	M	2690	mg/kg	3.00		170	360	360	8.8
Aliphatic EPH >C35-C40	N	2690	mg/kg	10.00		78	39	200	< 10
Total Aliphatic EPH >C10-C35	M	2690	mg/kg	5.00		3000	16000	5100	190
Aromatic VPH >C5-C7	U	2780	mg/kg	0.05		180	410	0.25	< 0.05
Aromatic VPH >C7-C8	U	2780	mg/kg	0.05		24	88	< 0.05	< 0.05
Aromatic VPH >C8-C10	U	2780	mg/kg	0.05		27	54	0.60	< 0.05
Total Aromatic VPH >C5-C10	U	2780	mg/kg	0.25		230	550	0.85	< 0.25
Aromatic EPH >C10-C12	U	2690	mg/kg	1.00		560	3700	660	16
Aromatic EPH >C12-C16	U	2690	mg/kg	1.00		5600	16000	3000	730
Aromatic EPH >C16-C21	U	2690	mg/kg	2.00		5100	14000	2900	860
Aromatic EPH >C21-C35	U	2690	mg/kg	2.00		9000	13000	2200	980
Aromatic EPH >C35-C40	N	2690	mg/kg	1.00		930	1700	140	340
Total Aromatic EPH >C10-C35	U	2690	mg/kg	5.00		20000	46000	8700	2600
Total VPH >C5-C10	U	2780	mg/kg	0.50		240	590	18	< 0.50
Total EPH >C10-C35	U	2690	mg/kg	10.00		23000	63000	14000	2800
LOI	M	2610	%	0.10		43	69	42	4.7
Fraction of Organic Carbon	M	2625		0.0010		0.13		0.42	0.056
Benzene	M	2760	µg/kg	1.0		170000	55000	110	4.7
Toluene	M	2760	µg/kg	1.0		81000	400000	40	2.2
Ethylbenzene	M	2760	µg/kg	1.0		1600	32000	51	< 1.0
m & p-Xylene	M	2760	µg/kg	1.0		73000	440000	77	< 1.0
o-Xylene	M	2760	µg/kg	1.0		26000	110000	48	< 1.0
Naphthalene	M	2800	mg/kg	0.10		11	1600	120	0.93
Acenaphthylene	N	2800	mg/kg	0.10		19	57	34	0.42
Acenaphthene	M	2800	mg/kg	0.10		3.1	14	26	0.14
Fluorene	M	2800	mg/kg	0.10		7.2	65	31	0.20
Phenanthrene	M	2800	mg/kg	0.10		21	1200	56	0.62
Anthracene	M	2800	mg/kg	0.10		9.8	68	57	0.38
Fluoranthene	M	2800	mg/kg	0.10		49	860	350	1.5
Pyrene	M	2800	mg/kg	0.10		71	660	490	1.7
Benzo[a]anthracene	M	2800	mg/kg	0.10		31	66	97	0.69
Chrysene	M	2800	mg/kg	0.10		30	59	99	0.67
Benzo[b]fluoranthene	M	2800	mg/kg	0.10		290	70	190	1.2
Benzo[k]fluoranthene	M	2800	mg/kg	0.10		51	29	46	0.43
Benzo[a]pyrene	M	2800	mg/kg	0.10		260	60	200	0.95
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10		92	38	84	0.94
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10		16	7.8	17	0.18

Results - Soil

Project: NGET Tottenham

Client: Atkins Ltd			**Chemtest Job No.:**		23-14524	23-14524	23-14524	23-14524
Quotation No.: Q19-17666			**Chemtest Sample ID.:**		1632840	1632841	1632842	1632843
			Client Sample ID.:		2	1	1	1
			Sample Location:		BH23-04	BH23-04	BH23-05	BH23-03
			Sample Type:		SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		1.70		1.20	0.30
			Bottom Depth (m):		1.70		1.20	0.30
			Date Sampled:		25-Apr-2023	24-Apr-2023	24-Apr-2023	24-Apr-2023
			Asbestos Lab:		DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**Accred.**	**SOP**	**Units**	**LOD**				
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	80	30	76	0.92
Total Of 16 PAH's	N	2800	mg/kg	2.0	1000	4900	2000	12
PCB 28	U	2815	mg/kg	0.010	< 0.010		< 0.010	< 0.010
PCB 52	U	2815	mg/kg	0.010	< 0.010		< 0.010	< 0.010
PCB 90+101	U	2815	mg/kg	0.010	< 0.010		< 0.010	< 0.010
PCB 118	U	2815	mg/kg	0.010	< 0.010		< 0.010	< 0.010
PCB 153	U	2815	mg/kg	0.010	< 0.010		< 0.010	< 0.010
PCB 138	U	2815	mg/kg	0.010	< 0.010		< 0.010	< 0.010
PCB 180	U	2815	mg/kg	0.010	< 0.010		< 0.010	< 0.010
Total PCBs (7 Congeners)	U	2815	mg/kg	0.10	< 0.10		< 0.10	< 0.10
Resorcinol	M	2920	mg/kg	0.020	< 0.020	< 0.020	< 0.020	< 0.020
Phenol	M	2920	mg/kg	0.020	12	0.17	6.2	< 0.020
Cresols	M	2920	mg/kg	0.020	44	9.0	2.1	< 0.020
Xylenols	M	2920	mg/kg	0.020	69	79	< 0.020	< 0.020
1-Naphthol	N	2920	mg/kg	0.020	< 0.020	< 0.020	< 0.020	< 0.020
Trimethylphenols	M	2920	mg/kg	0.020	< 0.020	64	< 0.020	< 0.020
Total Phenols	M	2920	mg/kg	0.10	130	150	8.2	< 0.10

Test Methods

SOP	Title	Parameters included	Method summary
1010	pH Value of Waters	pH	pH Meter
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Conductivity Meter
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.
1300	Cyanides & Thiocyanate in Waters	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Continuous Flow Analysis.
1325	Sulphide in Waters	Sulphides	Automated colorimetric analysis by 'Aquakem 600' Discrete Analyser using N,N–dimethyl-pphenylenediamine.
1455	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation
1675	TPH Aliphatic/Aromatic split in Waters by GC-FID(cf. Texas Method 1006 / TPH CWG)	Aliphatics: >C5–C6, >C6–C8, >C8– C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Pentane extraction / GCxGC FID detection
1700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Waters by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
1760	Volatile Organic Compounds (VOCs) in Waters by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics. (cf. USEPA Method 8260)	Automated headspace gas chromatographic (GC) analysis of water samples with mass spectrometric (MS) detection of volatile organic compounds.
1815	Polychlorinated Biphenyls (PCB) ICES7 Congeners in Waters by GC-MS	ICES7 PCB congeners	Solvent extraction / GCMS detection
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2180	Sulphur (Elemental) in Soils by HPLC	Sulphur	Dichloromethane extraction / HPLC with UV detection
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measuremernt by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Allkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.

Test Methods

SOP	Title	Parameters included	Method summary
2425	Extractable Ammonium in soils	Ammonium	Extraction with potassium chloride solution / analysis by 'Aquakem 600' Discrete Analyser using sodium salicylate and sodium dichloroisocyanurate.
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2610	Loss on Ignition	loss on ignition (LOI)	Determination of the proportion by mass that is lost from a soil by ignition at 550°C.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2690	EPH A/A Split	Aliphatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40 Aromatics: >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C40	Acetone/Heptane extraction / GCxGC FID detection
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.
2780	VPH A/A Split	Aliphatics: >C5–C6, >C6–C7,>C7–C8,>C8-C10 Aromatics: >C5–C7,>C7-C8,>C8–C10	Water extraction / Headspace GCxGC FID detection
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenz[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS
2815	Polychlorinated Biphenyls (PCB) ICES7Congeners in Soils by GC-MS	ICES7 PCB congeners	Acetone/Hexane extraction / GC-MS
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.
640	Characterisation of Waste (Leaching C10)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at the indicated laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container
E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

C.1.2. Water

Eurofins Chemtest Ltd
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.com

Amended Report

Report No.:	23-19840-6		
Initial Date of Issue:	22-Jun-2023	**Date of Re-Issue:**	05-Feb-2024
Re-Issue Details:	This report has been revised and directly supersedes 23-19840-5 in its entirety		
Client	AtkinsRealis UK Limited		
Client Address:	Woodcote Grove Ashley Road Epsom KT18 5BW		
Contact(s):	Dan Peters Zita Czinke Lauren Ilyas		
Project	NGET Tottenham		
Quotation No.:	Q22-29452	**Date Received:**	12-Jun-2023
Order No.:	5221420/CHE	**Date Instructed:**	12-Jun-2023
No. of Samples:	9		
Turnaround (Wkdays):	5	**Results Due:**	16-Jun-2023
Date Approved:	20-Jun-2023		
Approved By:			
Details:	Stuart Henderson, Technical Manager		

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Results - Water

Project: NGET Tottenham

Client: AtkinsRealis UK Limited				**Chemtest Job No.:**		23-19840	23-19840	23-19840	23-19840	23-19840	23-19840	23-19840	23-19840
Quotation No.: Q22-29452				**Chemtest Sample ID.:**		1655456	1655457	1655458	1655459	1655460	1655461	1655462	1655463
				Sample Location:		BH11 BD	BH12-04	WS12-08	BH12-05	BH12050	BH12-02D	BH12-01	Trip Blank
				Sample Type:		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
				Sample Sub Type:									
				Top Depth (m):		4	5	2	6	6	3	3	
				Bottom Depth (m):		4	5	2	6	6	3	3	
				Date Sampled:		08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023
				Time Sampled:		9:30	10:00	11:15	11:30	11:45	11:40	12:30	
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**								
Electrical Conductivity at 25C		U	1020	µS/cm	1.0	1800	2200	1800	2000	2000	1100	U/S	
Suspended Solids At 105C		U	1030	mg/l	5.0	74	62	2100	63	220	120	U/S	
Chloride		U	1220	mg/l	1.0	63	160	43	200	200	110	U/S	
Ammonium		U	1220	mg/l	0.050	31	23	2.1	6.3	6.4	7.5	U/S	
Sulphur		N	1220	mg/l	1.0	33	< 1.0	190	130	130	43	U/S	
Sulphate		U	1220	mg/l	1.0	98	< 1.0	580	400	390	130	U/S	
Cyanide (Total)		U	1300	mg/l	0.050	< 0.050	0.060	< 0.050	0.070	0.070	0.23	U/S	
Cyanide (Free)		U	1300	mg/l	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	U/S	
Thiocyanate		U	1300	mg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.53	U/S	
Cyanide (Complex)		U	1300	mg/l	0.050	< 0.050	0.060	< 0.050	0.070	0.070	0.23	U/S	
Sulphide		U	1325	mg/l	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	U/S	
Arsenic (Dissolved)		U	1455	µg/l	0.20	2.8	0.65	1.6	0.30	0.32	12	U/S	
Cadmium (Dissolved)		U	1455	µg/l	0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	U/S	
Chromium (Dissolved)		U	1455	µg/l	0.50	< 0.50	1.1	< 0.50	< 0.50	< 0.50	0.72	U/S	
Copper (Dissolved)		U	1455	µg/l	0.50	0.62	< 0.50	1.4	1.5	2.8	< 0.50	U/S	
Iron (Dissolved)		N	1455	µg/l	5.0	73	65	18	70	67	150	U/S	
Mercury (Dissolved)		U	1455	µg/l	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	U/S	
Nickel (Dissolved)		U	1455	µg/l	0.50	14	7.8	40	8.6	9.1	2.4	U/S	
Lead (Dissolved)		U	1455	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	U/S	
Selenium (Dissolved)		U	1455	µg/l	0.50	1.0	0.56	1.0	< 0.50	< 0.50	< 0.50	U/S	
Zinc (Dissolved)		U	1455	µg/l	2.5	4.4	< 2.5	40	11	20	< 2.5	U/S	
Total Organic Carbon		U	1610	mg/l	2.0	20	30	8.1	13	12	28	U/S	
Aliphatic TPH >C5-C6	EH_AL_2D_#1	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aliphatic TPH >C6-C8	EH_AL_2D_#1	N	1675	µg/l	0.10	110	140	< 0.10	< 0.10	< 0.10	120	1600	
Aliphatic TPH >C8-C10	EH_AL_2D_#1	N	1675	µg/l	0.10	86	120	< 0.10	< 0.10	< 0.10	95	12000	
Aliphatic TPH >C10-C12	EH_AL_2D_#1	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	21000	
Aliphatic TPH >C12-C16	EH_AL_2D_#1	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	36000	
Aliphatic TPH >C16-C21	EH_AL_2D_#1	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	48000	
Aliphatic TPH >C21-C35	EH_AL_2D_#1	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	25000	
Aliphatic TPH >C35-C44	EH_AL_2D_#1	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2500	
Total Aliphatic Hydrocarbons	EH_AL_2D_#1	N	1675	µg/l	5.0	190	260	< 5.0	< 5.0	< 5.0	220	150000	
Aromatic TPH >C5-C7	EH_AR_2D_#1	N	1675	µg/l	0.10	44	160	< 0.10	< 0.10	< 0.10	< 0.10	4000	
Aromatic TPH >C7-C8	EH_AR_2D_#1	N	1675	µg/l	0.10	28	120	< 0.10	< 0.10	< 0.10	< 0.10	64000	
Aromatic TPH >C8-C10	EH_AR_2D_#1	N	1675	µg/l	0.10	170	2100	< 0.10	< 0.10	< 0.10	48	69000	
Aromatic TPH >C10-C12	EH_AR_2D_#1	N	1675	µg/l	0.10	140	1900	< 0.10	< 0.10	< 0.10	39	160000	
Aromatic TPH >C12-C16	EH_AR_2D_#1	N	1675	µg/l	0.10	290	2100	< 0.10	< 0.10	< 0.10	51	380000	
Aromatic TPH >C16-C21	EH_AR_2D_#1	N	1675	µg/l	0.10	< 0.10	170	< 0.10	< 0.10	< 0.10	< 0.10	270000	

Results - Water

Project: NGET Tottenham

Client: AtkinsRealis UK Limited						**Chemtest Job No.:**	23-19840	23-19840	23-19840	23-19840	23-19840	23-19840	23-19840
Quotation No.: Q22-29452						**Chemtest Sample ID.:**	1655456	1655457	1655458	1655459	1655460	1655461	1655462	1655463
						Sample Location:	BH11 BD	BH12-04	WS12-08	BH12-05	BH12050	BH12-02D	BH12-01	Trip Blank
						Sample Type:	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
						Sample Sub Type:								
						Top Depth (m):	4	5	2	6	6	3	3	
						Bottom Depth (m):	4	5	2	6	6	3	3	
						Date Sampled:	08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023
						Time Sampled:	9:30	10:00	11:15	11:30	11:45	11:40	12:30	
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**									
Aromatic TPH >C21-C35	EH_AR_2D_#1	N	1675	µg/l	0.10		< 0.10	51	< 0.10	< 0.10	< 0.10	< 0.10	190000	
Aromatic TPH >C35-C44	EH_AR_2D_#1	N	1675	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Total Aromatic Hydrocarbons	EH_AR_2D_#1	N	1675	µg/l	5.0		670	6500	< 5.0	< 5.0	< 5.0	140	1100000	
Total Petroleum Hydrocarbons	EH_Total_2D_#1	N	1675	µg/l	10		870	6800	< 10	< 10	< 10	360	1300000	
Total BTEX		U	1760	µg/l	1.0		200	54	< 1.0	< 1.0	< 1.0	14000	160000	
Dichlorodifluoromethane		U	1760	µg/l	1.0									< 1.0
Chloromethane		U	1760	µg/l	1.0									< 1.0
Vinyl Chloride		N	1760	µg/l	1.0									< 1.0
Bromomethane		U	1760	µg/l	5									< 5
Chloroethane		U	1760	µg/l	2.0									< 2.0
Trichlorofluoromethane		U	1760	µg/l	1.0									< 1.0
1,1-Dichloroethene		U	1760	µg/l	1.0									< 1.0
Trans 1,2-Dichloroethene		U	1760	µg/l	1.0									< 1.0
1,1-Dichloroethane		U	1760	µg/l	1.0									< 1.0
cis 1,2-Dichloroethene		U	1760	µg/l	1.0									< 1.0
Bromochloromethane		U	1760	µg/l	5									< 5
Trichloromethane		U	1760	µg/l	1.0									< 1.0
1,1,1-Trichloroethane		U	1760	µg/l	1.0									< 1.0
Tetrachloromethane		U	1760	µg/l	1.0									< 1.0
1,1-Dichloropropene		U	1760	µg/l	1.0									< 1.0
Benzene		U	1760	µg/l	1.0		120	< 1.0	< 1.0	< 1.0	< 1.0	14000	110000	16
1,2-Dichloroethane		U	1760	µg/l	2.0									< 2.0
Trichloroethene		N	1760	µg/l	1.0									< 1.0
1,2-Dichloropropane		U	1760	µg/l	1.0									< 1.0
Dibromomethane		U	1760	µg/l	10									< 10
Bromodichloromethane		U	1760	µg/l	5									< 5
cis-1,3-Dichloropropene		N	1760	µg/l	10									< 10
Toluene		U	1760	µg/l	1.0		4.8	4.1	< 1.0	< 1.0	< 1.0	65	16000	3.9
Trans-1,3-Dichloropropene		N	1760	µg/l	10									< 10
1,1,2-Trichloroethane		U	1760	µg/l	10									< 10
Tetrachloroethene		U	1760	µg/l	1.0									< 1.0
1,3-Dichloropropane		U	1760	µg/l	2.0									< 2.0
Dibromochloromethane		U	1760	µg/l	10									< 10
1,2-Dibromoethane		U	1760	µg/l	5									< 5
Chlorobenzene		N	1760	µg/l	1.0									< 1.0
1,1,1,2-Tetrachloroethane		U	1760	µg/l	2.0									< 2.0
Ethylbenzene		U	1760	µg/l	1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	110	4500	< 1.0

Results - Water

Project: NGET Tottenham

Client: AtkinsRealis UK Limited						**Chemtest Job No.:**	23-19840	23-19840	23-19840	23-19840	23-19840	23-19840	23-19840
Quotation No.: Q22-29452						**Chemtest Sample ID.:**	1655456	1655457	1655458	1655459	1655460	1655461	1655462	1655463
						Sample Location:	BH11 BD	BH12-04	WS12-08	BH12-05	BH12050	BH12-02D	BH12-01	Trip Blank
						Sample Type:	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
						Sample Sub Type:								
						Top Depth (m):	4	5	2	6	6	3	3	
						Bottom Depth (m):	4	5	2	6	6	3	3	
						Date Sampled:	08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023
						Time Sampled:	9:30	10:00	11:15	11:30	11:45	11:40	12:30	
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**									
m & p-Xylene		U	1760	µg/l	1.0		26	16	< 1.0	< 1.0	< 1.0	100	21000	< 1.0
o-Xylene		U	1760	µg/l	1.0		54	35	< 1.0	< 1.0	< 1.0	140	12000	< 1.0
Styrene		U	1760	µg/l	1.0									< 1.0
Tribromomethane		U	1760	µg/l	1.0									< 1.0
Isopropylbenzene		U	1760	µg/l	1.0									< 1.0
Bromobenzene		U	1760	µg/l	1.0									< 1.0
1,2,3-Trichloropropane		N	1760	µg/l	50									< 50
N-Propylbenzene		U	1760	µg/l	1.0									< 1.0
2-Chlorotoluene		U	1760	µg/l	1.0									< 1.0
1,3,5-Trimethylbenzene		U	1760	µg/l	1.0									< 1.0
4-Chlorotoluene		U	1760	µg/l	1.0									< 1.0
Tert-Butylbenzene		U	1760	µg/l	1.0									< 1.0
1,2,4-Trimethylbenzene		U	1760	µg/l	1.0									< 1.0
Sec-Butylbenzene		U	1760	µg/l	1.0									< 1.0
1,3-Dichlorobenzene		N	1760	µg/l	1.0									< 1.0
4-Isopropyltoluene		U	1760	µg/l	1.0									< 1.0
1,4-Dichlorobenzene		U	1760	µg/l	1.0									< 1.0
N-Butylbenzene		U	1760	µg/l	1.0									< 1.0
1,2-Dichlorobenzene		U	1760	µg/l	1.0									< 1.0
1,2-Dibromo-3-Chloropropane		U	1760	µg/l	50									< 50
1,2,4-Trichlorobenzene		U	1760	µg/l	1.0									< 1.0
Hexachlorobutadiene		U	1760	µg/l	1.0									< 1.0
1,2,3-Trichlorobenzene		U	1760	µg/l	2.0									< 2.0
Methyl Tert-Butyl Ether		N	1760	µg/l	1.0									< 1.0
Naphthalene		U	1800	µg/l	0.10		170	200	< 0.10	< 0.10	< 0.10	40	98000	
Acenaphthylene		U	1800	µg/l	0.10		7.6	< 0.10	< 0.10	< 0.10	< 0.10	2.6	19000	
Acenaphthene		U	1800	µg/l	0.10		2.3	220	< 0.10	< 0.10	8.2	2.5	2600	
Fluorene		U	1800	µg/l	0.10		2.3	4.2	< 0.10	< 0.10	< 0.10	2.7	7200	
Phenanthrene		U	1800	µg/l	0.10		4.3	6.4	< 0.10	< 0.10	< 0.10	3.4	19000	
Anthracene		U	1800	µg/l	0.10		0.96	3.9	< 0.10	< 0.10	< 0.10	< 0.10	5500	
Fluoranthene		U	1800	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	4900	
Pyrene		U	1800	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	6900	
Benzo[a]anthracene		U	1800	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1900	
Chrysene		U	1800	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1200	
Benzo[b]fluoranthene		U	1800	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Benzo[k]fluoranthene		U	1800	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Benzo[a]pyrene		U	1800	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	

Results - Water

Project: NGET Tottenham

Client: AtkinsRealis UK Limited													
Quotation No.: Q22-29452				**Chemtest Job No.:**		23-19840	23-19840	23-19840	23-19840	23-19840	23-19840	23-19840	23-19840
				Chemtest Sample ID.:		1655456	1655457	1655458	1655459	1655460	1655461	1655462	1655463
				Sample Location:		BH11 BD	BH12-04	WS12-08	BH12-05	BH12050	BH12-02D	BH12-01	Trip Blank
				Sample Type:		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
				Sample Sub Type:									
				Top Depth (m):		4	5	2	6	6	3	3	
				Bottom Depth (m):		4	5	2	6	6	3	3	
				Date Sampled:		08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023
				Time Sampled:		9:30	10:00	11:15	11:30	11:45	11:40	12:30	
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**								
Indeno(1,2,3-c,d)Pyrene		U	1800	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Dibenz(a,h)Anthracene		U	1800	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	46	
Benzo[g,h,i]perylene		U	1800	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Total Of 16 PAH's		U	1800	µg/l	2.0	190	430	< 2.0	< 2.0	8.2	51	170000	
Resorcinol		U	1920	mg/l	0.0050	0.025	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	
Phenol		U	1920	mg/l	0.0050	< 0.0050	0.037	< 0.0050	< 0.0050	< 0.0050	0.039	12	
Cresols		U	1920	mg/l	0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0090	33	
Xylenols		U	1920	mg/l	0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.068	12	
1-Naphthol		N	1920	mg/l	0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	
Trimethylphenols		U	1920	mg/l	0.0050	< 0.0050	0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	
Total Phenols		U	1920	mg/l	0.030	< 0.030	0.051	< 0.030	< 0.030	< 0.030	0.12	58	

Results - Water

Project: NGET Tottenham

Client: AtkinsRealis UK Limited				**Chemtest Job No.:**		23-19840
Quotation No.: Q22-29452				**Chemtest Sample ID.:**		1655464
				Sample Location:		Trip Blank
				Sample Type:		WATER
				Sample Sub Type:		
				Top Depth (m):		
				Bottom Depth (m):		
				Date Sampled:		08-Jun-2023
				Time Sampled:		
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**	
Electrical Conductivity at 25C		U	1020	µS/cm	1.0	
Suspended Solids At 105C		U	1030	mg/l	5.0	
Chloride		U	1220	mg/l	1.0	
Ammonium		U	1220	mg/l	0.050	
Sulphur		N	1220	mg/l	1.0	
Sulphate		U	1220	mg/l	1.0	
Cyanide (Total)		U	1300	mg/l	0.050	
Cyanide (Free)		U	1300	mg/l	0.050	
Thiocyanate		U	1300	mg/l	0.50	
Cyanide (Complex)		U	1300	mg/l	0.050	
Sulphide		U	1325	mg/l	0.050	
Arsenic (Dissolved)		U	1455	µg/l	0.20	
Cadmium (Dissolved)		U	1455	µg/l	0.11	
Chromium (Dissolved)		U	1455	µg/l	0.50	
Copper (Dissolved)		U	1455	µg/l	0.50	
Iron (Dissolved)		N	1455	µg/l	5.0	
Mercury (Dissolved)		U	1455	µg/l	0.05	
Nickel (Dissolved)		U	1455	µg/l	0.50	
Lead (Dissolved)		U	1455	µg/l	0.50	
Selenium (Dissolved)		U	1455	µg/l	0.50	
Zinc (Dissolved)		U	1455	µg/l	2.5	
Total Organic Carbon		U	1610	mg/l	2.0	
Aliphatic TPH >C5-C6	EH_AL_2D_#1	N	1675	µg/l	0.10	
Aliphatic TPH >C6-C8	EH_AL_2D_#1	N	1675	µg/l	0.10	
Aliphatic TPH >C8-C10	EH_AL_2D_#1	N	1675	µg/l	0.10	
Aliphatic TPH >C10-C12	EH_AL_2D_#1	N	1675	µg/l	0.10	
Aliphatic TPH >C12-C16	EH_AL_2D_#1	N	1675	µg/l	0.10	
Aliphatic TPH >C16-C21	EH_AL_2D_#1	N	1675	µg/l	0.10	
Aliphatic TPH >C21-C35	EH_AL_2D_#1	N	1675	µg/l	0.10	
Aliphatic TPH >C35-C44	EH_AL_2D_#1	N	1675	µg/l	0.10	
Total Aliphatic Hydrocarbons	EH_AL_2D_#1	N	1675	µg/l	5.0	
Aromatic TPH >C5-C7	EH_AR_2D_#1	N	1675	µg/l	0.10	
Aromatic TPH >C7-C8	EH_AR_2D_#1	N	1675	µg/l	0.10	
Aromatic TPH >C8-C10	EH_AR_2D_#1	N	1675	µg/l	0.10	
Aromatic TPH >C10-C12	EH_AR_2D_#1	N	1675	µg/l	0.10	
Aromatic TPH >C12-C16	EH_AR_2D_#1	N	1675	µg/l	0.10	
Aromatic TPH >C16-C21	EH_AR_2D_#1	N	1675	µg/l	0.10	

Results - Water

Project: NGET Tottenham

Client: AtkinsRealis UK Limited				**Chemtest Job No.:**		23-19840
Quotation No.: Q22-29452				**Chemtest Sample ID.:**		1655464
				Sample Location:		Trip Blank
				Sample Type:		WATER
				Sample Sub Type:		
				Top Depth (m):		
				Bottom Depth (m):		
				Date Sampled:		08-Jun-2023
				Time Sampled:		
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**	
Aromatic TPH >C21-C35	EH_AR_2D_#1	N	1675	µg/l	0.10	
Aromatic TPH >C35-C44	EH_AR_2D_#1	N	1675	µg/l	0.10	
Total Aromatic Hydrocarbons	EH_AR_2D_#1	N	1675	µg/l	5.0	
Total Petroleum Hydrocarbons	EH_Total_2D_#1	N	1675	µg/l	10	
Total BTEX		U	1760	µg/l	1.0	
Dichlorodifluoromethane		U	1760	µg/l	1.0	< 1.0
Chloromethane		U	1760	µg/l	1.0	< 1.0
Vinyl Chloride		N	1760	µg/l	1.0	< 1.0
Bromomethane		U	1760	µg/l	5	< 5
Chloroethane		U	1760	µg/l	2.0	< 2.0
Trichlorofluoromethane		U	1760	µg/l	1.0	< 1.0
1,1-Dichloroethene		U	1760	µg/l	1.0	< 1.0
Trans 1,2-Dichloroethene		U	1760	µg/l	1.0	< 1.0
1,1-Dichloroethane		U	1760	µg/l	1.0	< 1.0
cis 1,2-Dichloroethene		U	1760	µg/l	1.0	< 1.0
Bromochloromethane		U	1760	µg/l	5	< 5
Trichloromethane		U	1760	µg/l	1.0	< 1.0
1,1,1-Trichloroethane		U	1760	µg/l	1.0	< 1.0
Tetrachloromethane		U	1760	µg/l	1.0	< 1.0
1,1-Dichloropropene		U	1760	µg/l	1.0	< 1.0
Benzene		U	1760	µg/l	1.0	4.9
1,2-Dichloroethane		U	1760	µg/l	2.0	< 2.0
Trichloroethene		N	1760	µg/l	1.0	< 1.0
1,2-Dichloropropane		U	1760	µg/l	1.0	< 1.0
Dibromomethane		U	1760	µg/l	10	< 10
Bromodichloromethane		U	1760	µg/l	5	< 5
cis-1,3-Dichloropropene		N	1760	µg/l	10	< 10
Toluene		U	1760	µg/l	1.0	1.3
Trans-1,3-Dichloropropene		N	1760	µg/l	10	< 10
1,1,2-Trichloroethane		U	1760	µg/l	10	< 10
Tetrachloroethene		U	1760	µg/l	1.0	< 1.0
1,3-Dichloropropane		U	1760	µg/l	2.0	< 2.0
Dibromochloromethane		U	1760	µg/l	10	< 10
1,2-Dibromoethane		U	1760	µg/l	5	< 5
Chlorobenzene		N	1760	µg/l	1.0	< 1.0
1,1,1,2-Tetrachloroethane		U	1760	µg/l	2.0	< 2.0
Ethylbenzene		U	1760	µg/l	1.0	< 1.0

Results - Water

Project: NGET Tottenham

Client: AtkinsRealis UK Limited				**Chemtest Job No.:**		23-19840
Quotation No.: Q22-29452				**Chemtest Sample ID.:**		1655464
				Sample Location:		Trip Blank
				Sample Type:		WATER
				Sample Sub Type:		
				Top Depth (m):		
				Bottom Depth (m):		
				Date Sampled:		08-Jun-2023
				Time Sampled:		
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**	
m & p-Xylene		U	1760	µg/l	1.0	< 1.0
o-Xylene		U	1760	µg/l	1.0	< 1.0
Styrene		U	1760	µg/l	1.0	< 1.0
Tribromomethane		U	1760	µg/l	1.0	< 1.0
Isopropylbenzene		U	1760	µg/l	1.0	< 1.0
Bromobenzene		U	1760	µg/l	1.0	< 1.0
1,2,3-Trichloropropane		N	1760	µg/l	50	< 50
N-Propylbenzene		U	1760	µg/l	1.0	< 1.0
2-Chlorotoluene		U	1760	µg/l	1.0	< 1.0
1,3,5-Trimethylbenzene		U	1760	µg/l	1.0	< 1.0
4-Chlorotoluene		U	1760	µg/l	1.0	< 1.0
Tert-Butylbenzene		U	1760	µg/l	1.0	< 1.0
1,2,4-Trimethylbenzene		U	1760	µg/l	1.0	< 1.0
Sec-Butylbenzene		U	1760	µg/l	1.0	< 1.0
1,3-Dichlorobenzene		N	1760	µg/l	1.0	< 1.0
4-Isopropyltoluene		U	1760	µg/l	1.0	< 1.0
1,4-Dichlorobenzene		U	1760	µg/l	1.0	< 1.0
N-Butylbenzene		U	1760	µg/l	1.0	< 1.0
1,2-Dichlorobenzene		U	1760	µg/l	1.0	< 1.0
1,2-Dibromo-3-Chloropropane		U	1760	µg/l	50	< 50
1,2,4-Trichlorobenzene		U	1760	µg/l	1.0	< 1.0
Hexachlorobutadiene		U	1760	µg/l	1.0	< 1.0
1,2,3-Trichlorobenzene		U	1760	µg/l	2.0	< 2.0
Methyl Tert-Butyl Ether		N	1760	µg/l	1.0	< 1.0
Naphthalene		U	1800	µg/l	0.10	
Acenaphthylene		U	1800	µg/l	0.10	
Acenaphthene		U	1800	µg/l	0.10	
Fluorene		U	1800	µg/l	0.10	
Phenanthrene		U	1800	µg/l	0.10	
Anthracene		U	1800	µg/l	0.10	
Fluoranthene		U	1800	µg/l	0.10	
Pyrene		U	1800	µg/l	0.10	
Benzo[a]anthracene		U	1800	µg/l	0.10	
Chrysene		U	1800	µg/l	0.10	
Benzo[b]fluoranthene		U	1800	µg/l	0.10	
Benzo[k]fluoranthene		U	1800	µg/l	0.10	
Benzo[a]pyrene		U	1800	µg/l	0.10	

Results - Water

Project: NGET Tottenham

Client: AtkinsRealis UK Limited				**Chemtest Job No.:**		23-19840
Quotation No.: Q22-29452				**Chemtest Sample ID.:**		1655464
				Sample Location:		Trip Blank
				Sample Type:		WATER
				Sample Sub Type:		
				Top Depth (m):		
				Bottom Depth (m):		
				Date Sampled:		08-Jun-2023
				Time Sampled:		
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**	
Indeno(1,2,3-c,d)Pyrene		U	1800	µg/l	0.10	
Dibenz(a,h)Anthracene		U	1800	µg/l	0.10	
Benzo[g,h,i]perylene		U	1800	µg/l	0.10	
Total Of 16 PAH's		U	1800	µg/l	2.0	
Resorcinol		U	1920	mg/l	0.0050	
Phenol		U	1920	mg/l	0.0050	
Cresols		U	1920	mg/l	0.0050	
Xylenols		U	1920	mg/l	0.0050	
1-Naphthol		N	1920	mg/l	0.0050	
Trimethylphenols		U	1920	mg/l	0.0050	
Total Phenols		U	1920	mg/l	0.030	

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
1010	pH Value of Waters	pH at 20°C	pH Meter	
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity at 25°C and Total Dissolved Solids (TDS) in Waters	Conductivity Meter	TE TS PL LE SW GW
1030	Total Suspended Solids	Total suspended solids	Filtration of a mixed sample through a standard glass fibre filter and determination of the mass of residue retained dried at 105°C.	SW
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.	RE PW PL LE DW GW
1300	Cyanides & Thiocyanate in Waters	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Continuous Flow Analysis.	GW
1325	Sulphide in Waters	Sulphides	Automated colorimetric analysis by 'Aquakem 600' Discrete Analyser using N,N–dimethyl-pphenylenediamine.	PL LE GW
1455	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).	RE PW PL SW DW GW
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation	PL SW GW
1675	TPH Aliphatic/Aromatic split in Waters by GC-FID(cf. Texas Method 1006 / TPH CWG)	Aliphatics: >C5–C6, >C6–C8, >C8– C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Pentane extraction / GCxGC FID detection	
1760	Volatile Organic Compounds (VOCs) in Waters by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics. (cf. USEPA Method 8260)	Automated headspace gas chromatographic (GC) analysis of water samples with mass spectrometric (MS) detection of volatile organic compounds.	PL GW
1800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Waters by GC-MS	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Pentane extraction / GCMS detection	PL GW
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.	

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at the indicated laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container
E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

Water Sample Category Key for Accreditation

DW - Drinking Water
GW - Ground Water
LE - Land Leachate
NA - Not Applicable
PL - Prepared Leachate
PW - Processed Water

Report Information

RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

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No.4225

Attention :	Sam Thrupp
Date :	28th February, 2013
Your reference :	51576
Our reference :	Test Report 13/1880 Batch 1
Location :	TOTTENHAM BUS DEPOT
Date samples received :	15th February, 2013
Status :	Final report
Issue :	1

Nine samples were received for analysis on 15th February, 2013. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Jamie Williams B.Sc
Project Co-ordinator

Bob Millward B.Sc
Principal Chemist

Client Name: Worley Parsons **Report : Liquid**

Reference: 51576

Location: TOTTENHAM BUS DEPOT

Contact: Sam Thrupp **Liquids/products:** V=40ml vial, G=glass bottle, P=plastic bottle

JE Job No.: 13/1880 $H=H_2SO_4$, Z=ZnAc, N=NaOH, $HN=HN0_3$

J E Sample No.	1-6	7-12	13-18	19-24	25-30	31-34	35-40	41-46	47-52		LOD	Units	Method No.
Sample ID	BH12 - 06140213 WG2.48	WS12 - 08140213 WG1.52	BH12 - 05140213 WG2.76	BH12 - 04140213 WG2.97	BH12 - 104140213 WG2.97	TRIP BLANK	WS12 - 07140213 WG1.36	WS12 - 06140213 WG0.78	WS12 - 03140213 WG1.52				
Depth	2.48	1.52	2.76	2.97	2.97		1.36	0.78	1.52				
COC No / misc													
Containers	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G	V P G	V H N Z P G	V H N Z P G	V H N Z P G				
Sample Date	14/02/2013	14/02/2013	14/02/2013	14/02/2013	14/02/2013	14/02/2013	14/02/2013	14/02/2013	14/02/2013				
Sample Type	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water				
Batch Number	1	1	1	1	1	1	1	1	1				
Date of Receipt	15/02/2013	15/02/2013	15/02/2013	15/02/2013	15/02/2013	15/02/2013	15/02/2013	15/02/2013	15/02/2013				
Dissolved Arsenic #	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	0.0042		<0.0009	mg/l	TM30/PM14
Dissolved Cadmium #	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.23110	<0.00003	<0.00003		<0.00003	mg/l	TM30/PM14
Total Dissolved Chromium #	<0.0002	<0.0002	0.0007	<0.0002	<0.0002	<0.0002	0.5110	0.0005	<0.0002		<0.0002	mg/l	TM30/PM14
Dissolved Copper #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.248	<0.003	<0.003		<0.003	mg/l	TM30/PM14
Total Dissolved Iron #	9.0050	0.1863	0.0621	0.0979	0.1076	<0.0047	1131.0000	3.5050	4.8530		<0.0047	mg/l	TM30/PM14
Dissolved Lead #	<0.0004	<0.0004	0.0017	0.0019	0.0019	<0.0004	0.3251	0.0040	0.0050		<0.0004	mg/l	TM30/PM14
Dissolved Nickel #	0.0020	0.0112	0.0030	0.0075	0.0077	<0.0002	0.6600	0.0086	0.0154		<0.0002	mg/l	TM30/PM14
Dissolved Selenium #	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012		<0.0012	mg/l	TM30/PM14
Dissolved Zinc #	<0.0015	0.0091	<0.0015	<0.0015	<0.0015	<0.0015	7.5890	0.0042	0.0213		<0.0015	mg/l	TM30/PM14
Mercury Dissolved by CVAF #	<0.01	0.05	<0.01	0.05	0.04	<0.01	0.23	0.03	<0.01		<0.01	ug/l	TM61/PM38
Total Hardness Dissolved (as CaCO3)	924	1153	1262	1374	1339	46	1909	1520	1311		<1	mg/l	TM30/PM0
Total Dissolved Sulphur	92.63	103.10	84.37	35.05	38.00	<0.01	2275.00	108.70	109.90		<0.01	mg/l	TM30/PM14
PAH MS													
Naphthalene #	0.055230 ++	0.010770 ++	0.000630	0.016000	0.015530 ++	<0.000014	0.627350 ++	0.686760 ++	0.006400		<0.000014	mg/l	TM4/PM30
Acenaphthylene #	0.002740	0.002000	0.018680	0.013480	0.013480 ++	<0.000013	<0.000650	0.057540	0.003620		<0.000013	mg/l	TM4/PM30
Acenaphthene #	0.004830	0.000370	0.100550 ++	0.118120 ++	0.079850 ++	0.000040	0.000990	0.033860	0.013320 ++		<0.000013	mg/l	TM4/PM30
Fluorene #	0.002610	0.000510	0.000920	0.002600	0.002150	<0.000014	0.002440	0.030140	0.001400		<0.000014	mg/l	TM4/PM30
Phenanthrene #	0.004160	0.000120	0.000220	0.006180	0.004140	<0.000011	0.002990	0.039430	0.003270		<0.000011	mg/l	TM4/PM30
Anthracene #	0.000760	0.000110	0.000570	0.002420	0.001800	<0.000013	0.000770	0.008320	0.000950		<0.000013	mg/l	TM4/PM30
Fluoranthene #	0.000490	0.000130	0.000220	0.001510	0.001070	<0.000012	<0.000600	0.005550	0.001520		<0.000012	mg/l	TM4/PM30
Pyrene #	0.000470	0.000120	0.000160	0.001040	0.000790	<0.000013	<0.000650	0.004030	0.000880		<0.000013	mg/l	TM4/PM30
Benzo(a)anthracene #	0.000070	0.000020	<0.000015	0.000080	0.000060	<0.000015	<0.000750	0.000760	0.000050		<0.000015	mg/l	TM4/PM30
Chrysene #	0.000060	0.000020	<0.000011	0.000060	0.000050	<0.000011	<0.000550	0.000700	0.000050		<0.000011	mg/l	TM4/PM30
Benzo(bk)fluoranthene #	0.000020	<0.000018	<0.000018	0.000040	0.000040	<0.000018	<0.000900	<0.000900	<0.000018		<0.000018	mg/l	TM4/PM30
Benzo(a)pyrene #	<0.000016	<0.000016	<0.000016	0.000030	0.000020	<0.000016	<0.000800	<0.000800	<0.000016		<0.000016	mg/l	TM4/PM30
Indeno(123cd)pyrene #	<0.000011	<0.000011	<0.000011	<0.000011	<0.000011	<0.000011	<0.000550	<0.000550	<0.000011		<0.000011	mg/l	TM4/PM30
Dibenzo(ah)anthracene #	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00050	<0.00050	<0.00001		<0.00001	mg/l	TM4/PM30
Benzo(ghi)perylene #	<0.000011	<0.000011	<0.000011	<0.000011	<0.000011	<0.000011	<0.000550	<0.000550	<0.000011		<0.000011	mg/l	TM4/PM30
PAH 16 Total #	0.071440	0.014170	0.121950	0.161560	0.118980	<0.000195	0.634540	0.867090	0.031460		<0.000195	mg/l	TM4/PM30
Benzo(b)fluoranthene	0.00001	<0.00001	<0.00001	0.00003	0.00003	<0.00001	<0.00050	<0.00050	<0.00001		<0.00001	mg/l	TM4/PM30
Benzo(k)fluoranthene	<0.00001	<0.00001	<0.00001	0.00001	0.00001	<0.00001	<0.00050	<0.00050	<0.00001		<0.00001	mg/l	TM4/PM30
PAH Surrogate % Recovery	95	102	100	115	107	112	111	109	127		<0	%	TM4/PM30
Methyl Tertiary Butyl Ether #	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	mg/l	TM15/PM10
Benzene #	<0.001	0.003	4.521 ++	25.656	26.194	<0.001	137.749	14.410	0.359		<0.001	mg/l	TM15/PM10
Toluene #	<0.002	0.003	0.011	0.069	0.071	<0.002	25.455	3.723 ++	0.007		<0.002	mg/l	TM15/PM10
Ethylbenzene #	<0.002	<0.002	0.036	0.492	0.492	<0.002	0.583	0.297	<0.002		<0.002	mg/l	TM15/PM10
p/m-Xylene #	0.010	<0.003	<0.003	0.021	0.021	<0.003	4.058 ++	1.288	<0.003		<0.003	mg/l	TM15/PM10
o-Xylene #	<0.002	<0.002	0.004	0.025	0.026	<0.002	1.490 ++	0.623	<0.002		<0.002	mg/l	TM15/PM10
Surrogate Recovery Toluene D8	129	132	125	125	127	126	172	169	124		<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	130	129	130	128	130	125	135	152	126		<0	%	TM15/PM10
EPH (C8-C40) #	0.62	<0.01	6.59	30.60	33.50	<0.01	215.60	24.50	0.61		<0.01	mg/l	TM5/PM30

Please see attached notes for all abbreviations and acronyms

Jones Environmental Laboratory

Client Name: Worley Parsons

Reference: 51576

Location: TOTTENHAM BUS DEPOT

Contact: Sam Thrupp

JE Job No.: 13/1880

Report : Liquid

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle
$H=H_2SO_4$, Z=ZnAc, N=NaOH, $HN=HN0_3$

J E Sample No.	1-6	7-12	13-18	19-24	25-30	31-34	35-40	41-46	47-52		LOD	Units	Method No.
Sample ID	BH12 - 06140213WG2.48	WS12 - 08140213WG1.52	BH12 - 05140213WG2.76	BH12 - 04140213WG2.97	BH12 - 10414021 3WG2.97	TRIP BLANK	WS12 - 07140213WG1.36	WS12 - 06140213WG0.78	WS12 - 03140213WG1.52				
Depth	2.48	1.52	2.76	2.97	2.97		1.36	0.78	1.52				
COC No / misc													
Containers	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G	V P G	V H N Z P G	V H N Z P G	V H N Z P G				
Sample Date	14/02/2013	14/02/2013	14/02/2013	14/02/2013	14/02/2013	14/02/2013	14/02/2013	14/02/2013	14/02/2013				
Sample Type	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water				
Batch Number	1	1	1	1	1	1	1	1	1				
Date of Receipt	15/02/2013	15/02/2013	15/02/2013	15/02/2013	15/02/2013	15/02/2013	15/02/2013	15/02/2013	15/02/2013				
TPH CWG													
Aliphatics													
>C5-C6 #	<0.005	<0.005	0.233	0.229	0.226	<0.005	3.981	0.694	0.143		<0.005	mg/l	TM36/PM12
>C6-C8 #	<0.005	<0.005	0.367	0.894	0.991	<0.005	157.967	<0.005	0.039		<0.005	mg/l	TM36/PM12
>C8-C10 #	<0.005	<0.005	0.059	0.480	0.664	<0.005	11.259	1.107	0.110		<0.005	mg/l	TM36/PM12
>C10-C12 #	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	mg/l	TM5/PM30
>C12-C16 #	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	mg/l	TM5/PM30
>C16-C21 #	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	mg/l	TM5/PM30
>C21-C35 #	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	mg/l	TM5/PM30
Total aliphatics C5-35 #	<0.01	<0.01	0.66	1.60	1.88	<0.01	173.21	1.80	0.29		<0.01	mg/l	TM5/TM36/PM30
Total aliphatics C5-C12 #	<0.01	<0.01	0.66	1.60	1.88	<0.01	173.21	1.80	0.29		<0.01	mg/l	TM5/TM36/PM30
Total aliphatics >C12-C35 #	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	mg/l	TM5/TM36/PM30
Aromatics													
>C5-EC7 #	<0.005	<0.005	3.967	25.561	28.075	<0.005	2.094	15.425	0.288		<0.005	mg/l	TM36/PM12
>EC7-EC8 #	<0.005	<0.005	0.007	0.053	0.056	<0.005	25.734	2.099	<0.005		<0.005	mg/l	TM36/PM12
>EC8-EC10 #	0.009	0.176	0.323	0.539	0.455	<0.005	3.876	1.106	0.020		<0.005	mg/l	TM36/PM12
>EC10-EC12 #	<0.005	<0.005	0.064	0.263	0.309	<0.005	4.628	1.344	<0.005		<0.005	mg/l	TM5/PM30
>EC12-EC16 #	<0.01	<0.01	0.23	0.34	0.66	<0.01	1.76	1.33	<0.01		<0.01	mg/l	TM5/PM30
>EC16-EC21 #	<0.01	<0.01	<0.01	<0.01	0.11	<0.01	<0.01	0.26	<0.01		<0.01	mg/l	TM5/PM30
>EC21-EC35 #	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	mg/l	TM5/PM30
Total aromatics C5-35 #	<0.01	0.18	4.59	26.76	29.67	<0.01	38.09	21.56	0.31		<0.01	mg/l	TM5/PM30
Total aromatics C6-C12	<0.01	0.18	4.36	26.42	28.90	<0.01	36.33	19.97	0.31		<0.01	mg/l	TM5/TM36/PM30
Total aromatics >EC12-EC35 #	<0.01	<0.01	0.23	0.34	0.77	<0.01	1.76	1.59	<0.01		<0.01	mg/l	TM5/TM36/PM30
Total aliphatics and aromatics(C5-35) #	<0.01	0.18	5.25	28.36	31.55	<0.01	211.30	23.36	0.60		<0.01	mg/l	TM5/TM36/PM30
Resorcinol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0310	0.0107	<0.0005		<0.0005	mg/l	TM26/PM0
Catechol	<0.0005	<0.0005	0.0034	<0.0005	<0.0005	<0.0005	0.0071	<0.0005	<0.0005		<0.0005	mg/l	TM26/PM0
Phenol	0.0013	<0.0005	0.0325	0.2019	0.2161	<0.0005	2.0784	0.6684++	0.0126		<0.0005	mg/l	TM26/PM0
m/p-cresol	<0.0005	<0.0005	0.0020	0.0251	0.0265	<0.0005	0.7792	0.9971	0.0149		<0.0005	mg/l	TM26/PM0
o-cresol	0.0008	<0.0005	<0.0005	0.0200	0.0179	<0.0005	0.4340	1.1823++	0.0139		<0.0005	mg/l	TM26/PM0
Total cresols	0.0008	<0.0005	0.0020	0.0451	0.0444	<0.0005	1.2132	2.1794	0.0288		<0.0005	mg/l	TM26/PM0
Xylenols	0.0128	<0.0005	0.0944	0.4756	0.5482	<0.0005	0.3744	2.3036	0.2354		<0.0005	mg/l	TM26/PM0
1-naphthol	<0.0005	<0.0005	0.0026	0.0177	0.0109	<0.0005	0.0009	0.0506	0.0124		<0.0005	mg/l	TM26/PM0
2,3,5-trimethyl phenol	<0.0005	<0.0005	<0.0005	0.0015	0.0045	<0.0005	<0.0005	0.0200	<0.0005		<0.0005	mg/l	TM26/PM0
2-isopropylphenol	<0.0005	<0.0005	<0.0005	0.0457	0.0415	<0.0005	<0.0005	0.1508	<0.0005		<0.0005	mg/l	TM26/PM0
Total Speciated Phenols HPLC	0.015	<0.005	0.135	0.788	0.866	<0.005	3.705	5.384	0.289		<0.005	mg/l	TM26/PM0
Sulphate #	304.36	343.27	302.70	101.98	95.03	3.60	6958.93	412.86	376.48		<0.05	mg/l	TM38/PM0
Chloride #	172.6	850.0	267.3	347.6	350.8	<0.3	4126.0	144.4	198.1		<0.3	mg/l	TM38/PM0
Free Cyanide #	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.032	<0.005	<0.005		<0.005	mg/l	TM89/PM0
Total Cyanide	0.129	0.070	0.103	0.163	0.163	<0.005	0.359	0.548	0.254		<0.005	mg/l	TM89/PM0
Complex Cyanide	0.13	0.07	0.10	0.16	0.16	<0.01	0.33	0.55	0.25		<0.01	mg/l	TM89/PM0

Please see attached notes for all abbreviations and acronyms

Jones Environmental Laboratory

Client Name: Worley Parsons

Reference: 51576

Location: TOTTENHAM BUS DEPOT

Contact: Sam Thrupp

JE Job No.: 13/1880

Report : Liquid

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle
H=H_2SO_4, Z=ZnAc, N=NaOH, HN=$HN0_3$

J E Sample No.	1-6	7-12	13-18	19-24	25-30	31-34	35-40	41-46	47-52		LOD	Units	Method No.
Sample ID	BH12 - 06140213 WG2.48	WS12 - 08140213 WG1.52	BH12 - 05140213 WG2.76	BH12 - 04140213 WG2.97	BH12 - 104140213 WG2.97	TRIP BLANK	WS12 - 07140213 WG1.36	WS12 - 06140213 WG0.78	WS12 - 03140213 WG1.52				
Depth	2.48	1.52	2.76	2.97	2.97		1.36	0.78	1.52				
COC No / misc													
Containers	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G	V P G	V H N Z P G	V H N Z P G	V H N Z P G				
Sample Date	14/02/2013	14/02/2013	14/02/2013	14/02/2013	14/02/2013	14/02/2013	14/02/2013	14/02/2013	14/02/2013				
Sample Type	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water				
Batch Number	1	1	1	1	1	1	1	1	1				
Date of Receipt	15/02/2013	15/02/2013	15/02/2013	15/02/2013	15/02/2013	15/02/2013	15/02/2013	15/02/2013	15/02/2013				
Ammoniacal Nitrogen as NH4 #	7.63	8.08	24.51++	34.53++	35.03++	<0.03	25.51++	12.76++	18.20++		<0.03	mg/l	TM38/PM0
Sulphide	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3		<0.3	mg/l	TM106/PM0
Thiocyanate	<0.02	<0.02	0.08	0.19	0.18	<0.02	1.94	1.05	<0.02		<0.02	mg/l	TM107/PM0
Dissolved Organic Carbon	13	26	17	50	44	7	464	213	107		<2	mg/l	TM60/PM0
Electrical Conductivity @25C #	2047	4362	2662	3077	3083	206	19608	2853	2713		<2	uS/cm	TM76/PM0
pH #	6.94	6.81	7.02	7.22	7.19	6.17	2.46	7.11	6.98		<0.01	pH units	TM73/PM0
Total Suspended Solids	1135	89	34	51	48	<10	74	900	22		<10	mg/l	TM37/PM0

Please see attached notes for all abbreviations and acronyms

Please include all sections of this report if it is reproduced

All solid results are expressed on a dry weight basis unless stated otherwise.

Client Name: Worley Parsons **VOC Report :** **Liquid**

Reference: 51576

Location: TOTTENHAM BUS DEPOT

Contact: Sam Thrupp

JE Job No.: 13/1880

J E Sample No.	1-6	7-12	13-18	19-24	25-30	31-34	35-40	41-46	47-52				
Sample ID	BH12 - 06140213 WG2.48	WS12 - 08140213 WG1.52	BH12 - 05140213 WG2.76	BH12 - 04140213 WG2.97	BH12 - 104140213 WG2.97	TRIP BLANK	WS12 - 07140213 WG1.36	WS12 - 06140213 WG0.78	WS12 - 03140213 WG1.52				
Depth	2.48	1.52	2.76	2.97	2.97		1.36	0.78	1.52	Please see attached notes for all abbreviations and acronyms			
COC No / misc													
Containers	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G	V P G	V H N Z P G	V H N Z P G	V H N Z P G				
Sample Date	14/02/2013	14/02/2013	14/02/2013	14/02/2013	14/02/2013	14/02/2013	14/02/2013	14/02/2013	14/02/2013				
Sample Type	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water				
Batch Number	1	1	1	1	1	1	1	1	1				
Date of Receipt	15/02/2013	15/02/2013	15/02/2013	15/02/2013	15/02/2013	15/02/2013	15/02/2013	15/02/2013	15/02/2013		LOD	Units	Method No.
VOC MS													
Dichlorodifluoromethane	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
Methyl Tertiary Butyl Ether #	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	mg/l	TM15/PM10
Chloromethane #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.012	<0.003	<0.003		<0.003	mg/l	TM15/PM10
Vinyl Chloride	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
Bromomethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	mg/l	TM15/PM10
Chloroethane #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.013	<0.003	<0.003		<0.003	mg/l	TM15/PM10
Trichlorofluoromethane #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
1,1-Dichloroethene (1,1 DCE) #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
Dichloromethane (DCM) #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
trans-1-2-Dichloroethene #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
1,1-Dichloroethane #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
cis-1-2-Dichloroethene #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
2,2-Dichloropropane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	mg/l	TM15/PM10
Bromochloromethane #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
Chloroform #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
1,1,1-Trichloroethane #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
1,1-Dichloropropene #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
Carbon tetrachloride #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
1,2-Dichloroethane #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
Benzene #	<0.001	0.003	4.521++	25.656	26.194	<0.001	137.749	14.410	0.359		<0.001	mg/l	TM15/PM10
Trichloroethene (TCE) #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
1,2-Dichloropropane #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
Dibromomethane #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
Bromodichloromethane #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
cis-1-3-Dichloropropene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
Toluene #	<0.002	0.003	0.011	0.069	0.071	<0.002	25.455	3.723++	0.007		<0.002	mg/l	TM15/PM10
trans-1-3-Dichloropropene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
1,1,2-Trichloroethane #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
Tetrachloroethene (PCE) #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
1,3-Dichloropropane #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
Dibromochloromethane #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
1,2-Dibromoethane #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
Chlorobenzene #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
1,1,1,2-Tetrachloroethane #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
Ethylbenzene #	<0.002	<0.002	0.036	0.492	0.492	<0.002	0.583	0.297	<0.002		<0.002	mg/l	TM15/PM10
p/m-Xylene #	0.010	<0.003	<0.003	0.021	0.021	<0.003	4.058++	1.288	<0.003		<0.003	mg/l	TM15/PM10
o-Xylene #	<0.002	<0.002	0.004	0.025	0.026	<0.002	1.490++	0.623	<0.002		<0.002	mg/l	TM15/PM10
Styrene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
Bromoform #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
Isopropylbenzene #	<0.003	<0.003	0.012	0.038	0.038	<0.003	0.065	0.034	<0.003		<0.003	mg/l	TM15/PM10
1,1,2,2-Tetrachloroethane	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004		<0.004	mg/l	TM15/PM10
Bromobenzene #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
1,2,3-Trichloropropane #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
Propylbenzene #	<0.003	<0.003	0.004	0.044	0.044	<0.003	0.013	0.037	<0.003		<0.003	mg/l	TM15/PM10
2-Chlorotoluene #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
1,3,5-Trimethylbenzene #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.062	0.166	<0.003		<0.003	mg/l	TM15/PM10
4-Chlorotoluene #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
tert-Butylbenzene #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
1,2,4-Trimethylbenzene #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.173	0.504	<0.003		<0.003	mg/l	TM15/PM10
sec-Butylbenzene #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
4-Isopropyltoluene #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.004	0.014	<0.003		<0.003	mg/l	TM15/PM10
1,3-Dichlorobenzene #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
1,4-Dichlorobenzene #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
n-Butylbenzene #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.019	<0.003		<0.003	mg/l	TM15/PM10
1,2-Dichlorobenzene #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
1,2-Dibromo-3-chloropropane	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
1,2,4-Trichlorobenzene	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
Hexachlorobutadiene	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
Naphthalene	<0.002	<0.002	<0.002	0.017	0.018	<0.002	1.434++	2.798++	<0.002		<0.002	mg/l	TM15/PM10
1,2,3-Trichlorobenzene	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
Surrogate Recovery Toluene D8	129	132	125	125	127	126	172	169	124		<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	130	129	130	128	130	125	135	152	126		<0	%	TM15/PM10

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 13/1880

SOILS

Please note we are only MCERTS accredited for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary. If we are instructed to keep samples, a storage charge of £1 (1.5 Euros) per sample per month will be applied until we are asked to dispose of them.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

WATERS

Please note we are not a Drinking Water Inspectorate (DWI) Approved Laboratory . It is important that detection limits are carefully considered when requesting water analysis.

UKAS accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

NOTE

Data is only accredited when all the requirements of our Quality System have been met. In certain circumstances where the requirements have not been met, the laboratory may issue the data in an interim report but will remove the accreditation, in this instance results should be considered indicative only. Where possible samples will be re-extracted and a final report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

ABBREVIATIONS and ACRONYMS USED

#	UKAS accredited.
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance.
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
++	Result outside calibration range, results should be considered as indicative only and are not accredited.
*	Analysis subcontracted to a Jones Environmental approved laboratory.
CO	Suspected carry over
NFD	No Fibres Detected

JE Job No 13/1880

Test Method No.	Description	Prep Method No. (if appropriate)	Description	UKAS	MCERTS (soils only)	Analysis done on As Received (AR) or Air Dried (AD)	Solid Results expressed on Dry/Wet basis
TM4	16 PAH by GC-MS, modified USEPA 8270	PM30	Magnetic stirrer extraction				
TM4	16 PAH by GC-MS, modified USEPA 8270	PM30	Magnetic stirrer extraction	Yes			
TM5	EPH by GC-FID, modified USEPA 8015	PM30	Magnetic stirrer extraction	Yes			
TM5	EPH by GC-FID, modified USEPA 8015	PM30	Magnetic stirrer extraction	Yes		AR	
TM5/TM36	TPH CWG by GC-FID	PM30	Magnetic stirrer extraction				
TM5/TM36	TPH CWG by GC-FID	PM30	Magnetic stirrer extraction	Yes			
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS				
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS	Yes			
TM26	Phenols by HPLC	PM0	No Preparation				
TM30	Metals by ICP-OES	PM0	No Preparation				
TM30	Metals by ICP-OES	PM14	Metals by ICP (Waters)				
TM30	Metals by ICP-OES	PM14	Metals by ICP (Waters)	Yes			
TM36	GRO by Headspace GC-FID	PM12	GRO GC-FID	Yes			
TM37	Total Suspended Solids- gravimetric	PM0	No Preparation				
TM38	SO4,Cl,NO3,NO2,F,PO4, Amm N2,ThioCN, Hex Cr by Aquakem	PM0	No Preparation	Yes			
TM60	TOC/DOC by NDIR	PM0	No Preparation				
TM61	Mercury - low level CVAF	PM38	Mercury CVAF	Yes			
TM73	pH in by Metrohm	PM0	No Preparation	Yes			
TM76	Electrical Conductivity by Metrohm	PM0	No Preparation	Yes			
TM89	Cyanide by FIA	PM0	No Preparation				
TM89	Cyanide by FIA	PM0	No Preparation	Yes			
TM106	Sulphide by CFA	PM0	No Preparation				
TM107	Thiocyanate by CFA	PM0	No Preparation				

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Worley Parsons
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Brentford
TW8 9BW

No.4225

Attention :	Sam Thrupp
Date :	1st March, 2013
Your reference :	51576
Our reference :	Test Report 13/1943 Batch 1
Location :	TOTTENHAM
Date samples received :	16th February, 2013
Status :	Final report
Issue :	1

Five samples were received for analysis on 16th February, 2013. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Jamie Williams B.Sc
Project Co-ordinator

Bob Millward B.Sc
Principal Chemist

Jones Environmental Laboratory

Client Name: Worley Parsons

Reference: 51576

Location: TOTTENHAM

Contact: Sam Thrupp

JE Job No.: 13/1943

Report : Liquid

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle
$H=H_2SO_4$, Z=ZnAc, N=NaOH, $HN=HN0_3$

Please see attached notes for all abbreviations and acronyms

J E Sample No.	1-6	7-12	13-18	19-25							LOD	Units	Method No.
Sample ID	WS12-02140213 WG1.43	WS12-01140213 WG0.98	BH12-03140213 WG2.48	BH12-02140213 WG2.10									
Depth	1.43	0.98	2.48	2.10									
COC No / misc													
Containers	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G									
Sample Date	14/02/2013	14/02/2013	14/02/2013	14/02/2013									
Sample Type	Ground Water	Ground Water	Ground Water	Ground Water									
Batch Number	1	1	1	1									
Date of Receipt	16/02/2013	16/02/2013	16/02/2013	16/02/2013									
Dissolved Arsenic #	0.0085	0.5559	0.0081	0.0061							<0.0009	mg/l	TM30/PM14
Dissolved Cadmium #	0.00006	0.00040	0.00006	0.00003							<0.00003	mg/l	TM30/PM14
Total Dissolved Chromium #	0.0027	0.0026	0.0011	0.0020							<0.0002	mg/l	TM30/PM14
Dissolved Copper #	<0.003	<0.003	<0.003	0.007							<0.003	mg/l	TM30/PM14
Total Dissolved Iron #	0.5783	0.7369	0.7742	0.9654							<0.0047	mg/l	TM30/PM14
Dissolved Lead #	0.0058	0.0056	0.0053	0.0032							<0.0004	mg/l	TM30/PM14
Dissolved Nickel #	0.0068	0.0172	0.0334	0.0085							<0.0002	mg/l	TM30/PM14
Dissolved Selenium #	<0.0012	<0.0012	<0.0012	<0.0012							<0.0012	mg/l	TM30/PM14
Dissolved Zinc #	0.0061	0.0072	0.0126	0.1357							<0.0015	mg/l	TM30/PM14
Mercury Dissolved by CVAF #	1.15	0.25	0.20	0.05							<0.01	ug/l	TM61/PM38
Total Hardness Dissolved (as CaCO3)	778	1781	1090	176							<1	mg/l	TM30/PM0
Total Dissolved Sulphur	86.41	298.70	205.40	8.03							<0.01	mg/l	TM30/PM14
PAH MS													
Naphthalene #	2.259120	2.264690	30.257840 ++	0.349920							<0.000014	mg/l	TM4/PM30
Acenaphthylene #	0.057530	0.209710	1.162450	0.022960							<0.000013	mg/l	TM4/PM30
Acenaphthene #	0.012290	0.030510	0.075040	0.003050							<0.000013	mg/l	TM4/PM30
Fluorene #	0.014830	0.051870	0.301020	0.004870							<0.000014	mg/l	TM4/PM30
Phenanthrene #	0.019230	0.068500	0.557030	0.007380							<0.000011	mg/l	TM4/PM30
Anthracene #	<0.006500	0.012760	0.167770	0.001700							<0.000013	mg/l	TM4/PM30
Fluoranthene #	<0.006000	<0.006000	0.129200	<0.001200							<0.000012	mg/l	TM4/PM30
Pyrene #	<0.006500	<0.006500	0.191250	<0.001300							<0.000013	mg/l	TM4/PM30
Benzo(a)anthracene #	<0.007500	<0.007500	0.056660	<0.001500							<0.000015	mg/l	TM4/PM30
Chrysene #	<0.005500	<0.005500	0.067640	<0.001100							<0.000011	mg/l	TM4/PM30
Benzo(bk)fluoranthene #	<0.009000	<0.009000	0.048780	<0.001800							<0.000018	mg/l	TM4/PM30
Benzo(a)pyrene #	<0.008000	<0.008000	0.037400	<0.001600							<0.000016	mg/l	TM4/PM30
Indeno(123cd)pyrene #	<0.005500	<0.005500	0.012290	<0.001100							<0.000011	mg/l	TM4/PM30
Dibenzo(ah)anthracene #	<0.00500	<0.00500	0.00640	<0.00100							<0.00001	mg/l	TM4/PM30
Benzo(ghi)perylene #	<0.005500	<0.005500	0.016670	<0.001100							<0.000011	mg/l	TM4/PM30
PAH 16 Total #	2.363000	2.638040	33.087440	0.389880							<0.000195	mg/l	TM4/PM30
Benzo(b)fluoranthene	<0.00500	<0.00500	0.03512	<0.00100							<0.00001	mg/l	TM4/PM30
Benzo(k)fluoranthene	<0.00500	<0.00500	0.01366	<0.00100							<0.00001	mg/l	TM4/PM30
PAH Surrogate % Recovery	80	83	122	77							<0	%	TM4/PM30
Methyl Tertiary Butyl Ether #	<0.001	<0.001	-	<0.001							<0.001	mg/l	TM15/PM10
Benzene #	119.138 ++	20.536 ++	-	3.084 ++							<0.001	mg/l	TM15/PM10
Toluene #	10.371 ++	4.477 ++	-	0.913							<0.002	mg/l	TM15/PM10
Ethylbenzene #	0.818	1.061 ++	-	0.066							<0.002	mg/l	TM15/PM10
p/m-Xylene #	4.382 ++	2.895 ++	-	0.248							<0.003	mg/l	TM15/PM10
o-Xylene #	2.120 ++	1.730 ++	-	0.113							<0.002	mg/l	TM15/PM10
Surrogate Recovery Toluene D8	93	113	-	88							<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	92	103	-	86							<0	%	TM15/PM10
EPH (C8-C40) #	120.30	45.60	86.01	4.50							<0.01	mg/l	TM5/PM30

Jones Environmental Laboratory

Client Name: Worley Parsons

Reference: 51576

Location: TOTTENHAM

Contact: Sam Thrupp

JE Job No.: 13/1943

Report : Liquid

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle
$H=H_2SO_4$, Z=ZnAc, N=NaOH, $HN=HN0_3$

J E Sample No.	1-6	7-12	13-18	19-25							LOD	Units	Method No.
Sample ID	WS12-02140213 WG1.43	WS12-01140213 WG0.98	BH12-03140213 WG2.48	BH12-02140213 WG2.10									
Depth	1.43	0.98	2.48	2.10									
COC No / misc													
Containers	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G									
Sample Date	14/02/2013	14/02/2013	14/02/2013	14/02/2013									
Sample Type	Ground Water	Ground Water	Ground Water	Ground Water									
Batch Number	1	1	1	1									
Date of Receipt	16/02/2013	16/02/2013	16/02/2013	16/02/2013									
TPH CWG													
Aliphatics													
>C5-C6 #	0.557 ++	1.711	-	0.171							<0.005	mg/l	TM36/PM12
>C6-C8 #	<0.005 ++	<0.005	-	<0.005							<0.005	mg/l	TM36/PM12
>C8-C10 #	13.464 ++	3.534	-	0.131							<0.005	mg/l	TM36/PM12
>C10-C12 #	0.096	0.101	1.592	<0.005							<0.005	mg/l	TM5/PM30
>C12-C16 #	<0.01	<0.01	0.14	<0.01							<0.01	mg/l	TM5/PM30
>C16-C21 #	<0.01	<0.01	<0.01	<0.01							<0.01	mg/l	TM5/PM30
>C21-C35 #	<0.01	<0.01	<0.01	<0.01							<0.01	mg/l	TM5/PM30
Total aliphatics C5-35 #	14.12	5.35	-	0.30							<0.01	mg/l	TM5/TM36/PM30
Total aliphatics C5-C12 #	14.12	5.35	-	0.30							<0.01	mg/l	TM5/TM36/PM30
Total aliphatics >C12-C35 #	<0.01	<0.01	0.14	<0.01							<0.01	mg/l	TM5/TM36/PM30
Aromatics													
>C5-EC7 #	68.284 ++	24.280	-	2.602							<0.005	mg/l	TM36/PM12
>EC7-EC8 #	9.544 ++	2.542	-	0.762							<0.005	mg/l	TM36/PM12
>EC8-EC10 #	5.607 ++	2.893	-	0.406							<0.005	mg/l	TM36/PM12
>EC10-EC12 #	2.625	1.799	15.690	0.220							<0.005	mg/l	TM5/PM30
>EC12-EC16 #	1.14	1.32	5.40	0.12							<0.01	mg/l	TM5/PM30
>EC16-EC21 #	0.09	0.14	1.27	<0.01							<0.01	mg/l	TM5/PM30
>EC21-EC35 #	<0.01	<0.01	0.14	<0.01							<0.01	mg/l	TM5/PM30
Total aromatics C5-35 #	87.29	32.97	-	4.11							<0.01	mg/l	TM5/PM30
Total aromatics C6-C12	86.06	31.51	-	3.99							<0.01	mg/l	TM5/TM36/PM30
Total aromatics >EC12-EC35 #	1.23	1.46	6.81	0.12							<0.01	mg/l	TM5/TM36/PM30
Total aliphatics and aromatics(C5-35) #	101.41	38.32	-	4.41							<0.01	mg/l	TM5/TM36/PM30
Resorcinol	0.0381	<0.0050	0.0046	<0.0005							<0.0005	mg/l	TM26/PM0
Catechol	0.0073	<0.0050	0.0202	<0.0005							<0.0005	mg/l	TM26/PM0
Phenol	1.4254	0.3174	0.1832	0.0153							<0.0005	mg/l	TM26/PM0
m/p-cresol	2.4341	1.0556	3.3525	0.0599							<0.0005	mg/l	TM26/PM0
o-cresol	2.8824	1.2697	2.9929	0.0505							<0.0005	mg/l	TM26/PM0
Total cresols	5.3165	2.3253	6.3454	0.1104							<0.0005	mg/l	TM26/PM0
Xylenols	4.8534	3.7106	4.6597	0.1015							<0.0005	mg/l	TM26/PM0
1-naphthol	<0.0005	<0.0005	<0.0005	<0.0005							<0.0005	mg/l	TM26/PM0
2,3,5-trimethyl phenol	0.0074	0.0289	0.0069	<0.0005							<0.0005	mg/l	TM26/PM0
2-isopropylphenol	<0.0005	<0.0005	<0.0005	<0.0005							<0.0005	mg/l	TM26/PM0
Total Speciated Phenols HPLC	11.648	6.382	11.220	0.227							<0.005	mg/l	TM26/PM0
Sulphate #	205.98	714.35	495.16	21.65							<0.05	mg/l	TM38/PM0
Chloride #	183.3	565.5	160.0	201.7							<0.3	mg/l	TM38/PM0
Free Cyanide #	0.011	0.013	<0.005	<0.005							<0.005	mg/l	TM89/PM0
Total Cyanide	0.390	1.468	0.227	0.020							<0.005	mg/l	TM89/PM0
Complex Cyanide	0.38	1.46	0.23	0.02							<0.01	mg/l	TM89/PM0

Please see attached notes for all abbreviations and acronyms

Jones Environmental Laboratory

Client Name: Worley Parsons

Reference: 51576

Location: TOTTENHAM

Contact: Sam Thrupp

JE Job No.: 13/1943

Report : Liquid

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle
$H=H_2SO_4$, Z=ZnAc, N=NaOH, $HN=HN0_3$

J E Sample No.	1-6	7-12	13-18	19-25							LOD	Units	Method No.
Sample ID	WS12-02140213 WG1.43	WS12-01140213 WG0.98	BH12-03140213 WG2.48	BH12-02140213 WG2.10									
Depth	1.43	0.98	2.48	2.10									
COC No / misc													
Containers	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G									
Sample Date	14/02/2013	14/02/2013	14/02/2013	14/02/2013									
Sample Type	Ground Water	Ground Water	Ground Water	Ground Water									
Batch Number	1	1	1	1									
Date of Receipt	16/02/2013	16/02/2013	16/02/2013	16/02/2013									
Ammoniacal Nitrogen as NH4 #	18.18 ++	104.83 ++	86.90 ++	2.04							<0.03	mg/l	TM38/PM0
Sulphide	<0.3	<0.3	<0.3	<0.3							<0.3	mg/l	TM106/PM0
Thiocyanate	2.52	16.18	0.62	0.03							<0.02	mg/l	TM107/PM0
Dissolved Organic Carbon	144	180	143	124							<2	mg/l	TM60/PM0
Electrical Conductivity @25C #	1860	4390	2704	1051							<2	uS/cm	TM76/PM0
pH #	6.70	6.74	6.69	5.93							<0.01	pH units	TM73/PM0
Total Suspended Solids	91	179	NDP	11							<10	mg/l	TM37/PM0

Please see attached notes for all abbreviations and acronyms

Please include all sections of this report if it is reproduced

All solid results are expressed on a dry weight basis unless stated otherwise.

Jones Environmental Laboratory

Client Name:	Worley Parsons
Reference:	51576
Location:	TOTTENHAM
Contact:	Sam Thrupp
JE Job No.:	13/1943

Report : Product

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle
H=H_2SO_4, Z=ZnAc, N=NaOH, HN=$HN0_3$

J E Sample No.	26												
Sample ID	BH12-01140213PO2.47												
Depth	2.47												
COC No / misc													
Containers	G												
Sample Date	14/02/2013												
Sample Type	Product												
Batch Number	1												
Date of Receipt	16/02/2013												

Please see attached notes for all abbreviations and acronyms

											LOD	**Units**	**Method No.**
Whole Oil Trace	See Attached											None	TM1/PM0
Carbon Range	c5-c33											None	TM1/PM0
Boiling Point Range	36-476										<50	Degrees C	TM1/PM0
Interpretation	Coal Tar PAHs											None	TM1/PM0
Pristane/Phytane Ratio	NA											None	TM1/PM0
nC17/Pristane Ratio	NA											None	TM1/PM0
Age (± 2years) (Christensen & Larsen 1993)	NA											Years	TM1/PM0

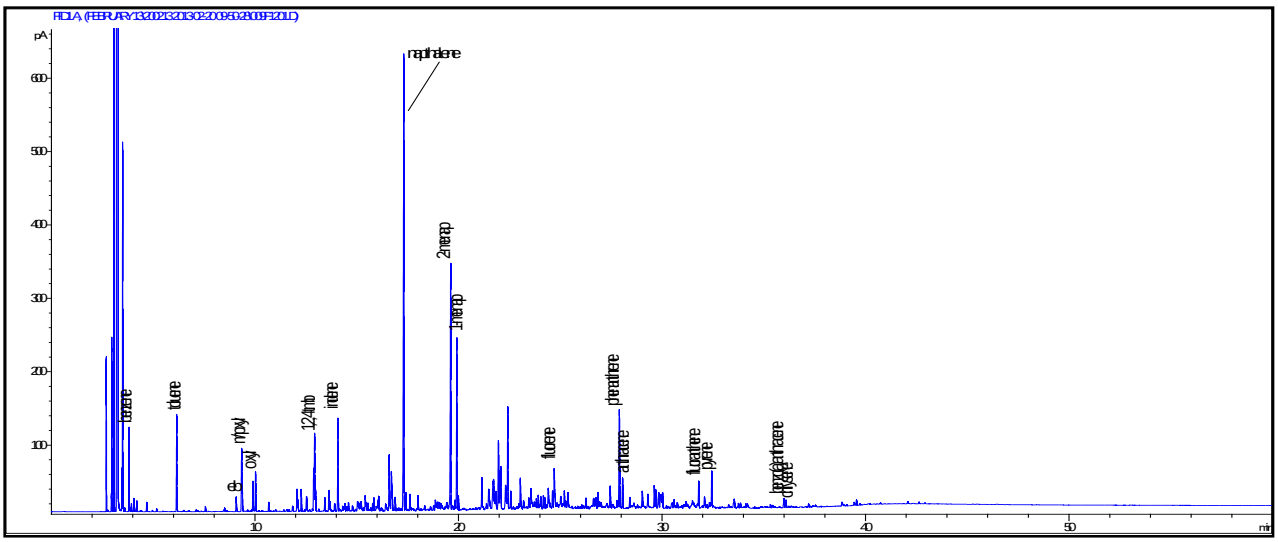
Jones Environmental Forensics Ltd

Whole Oil Analysis by GC-FID

No.4225

Job Number:	13/1943-26		
Client ID:	BH12-01140213PO2.47		
Description:	Yellow Oil		
Carbon Range:	nC5	to	nC33
Boiling Point Range:	36°C	to	476°C
Pristane/Phytane Ratio:	NA		
nC_{17}/Pristane Ratio:	NA		
Age(+/-2 years)	Not possible as relevant markers are either not present or values are above the permitted range		
Fingerprint:	Coal Tar PAHs		

Chromatogram



Analyst: Laura Graham **Date: 25/02/13**

Client Name: Worley Parsons **VOC Report :** **Liquid**

Reference: 51576

Location: TOTTENHAM

Contact: Sam Thrupp

JE Job No.: 13/1943

J E Sample No.	1-6	7-12	19-25									
Sample ID	WS12-02140213 WG1.43	WS12-01140213 WG0.98	BH12-02140213 WG2.10									
Depth	1.43	0.98	2.10									
COC No / misc												
Containers	V H N Z P G	V H N Z P G	V H N Z P G									
Sample Date	14/02/2013	14/02/2013	14/02/2013									
Sample Type	Ground Water	Ground Water	Ground Water									
Batch Number	1	1	1									
Date of Receipt	16/02/2013	16/02/2013	16/02/2013									

Please see attached notes for all abbreviations and acronyms

VOC MS													
Dichlorodifluoromethane	<0.002	<0.002	<0.002								<0.002	mg/l	TM15/PM10
Methyl Tertiary Butyl Ether #	<0.001	<0.001	<0.001								<0.001	mg/l	TM15/PM10
Chloromethane #	<0.003	<0.003	<0.003								<0.003	mg/l	TM15/PM10
Vinyl Chloride	<0.002	<0.002	<0.002								<0.002	mg/l	TM15/PM10
Bromomethane	<0.001	<0.001	<0.001								<0.001	mg/l	TM15/PM10
Chloroethane #	<0.003	<0.003	<0.003								<0.003	mg/l	TM15/PM10
Trichlorofluoromethane #	<0.003	<0.003	<0.003								<0.003	mg/l	TM15/PM10
1,1-Dichloroethene (1,1 DCE) #	<0.003	<0.003	<0.003								<0.003	mg/l	TM15/PM10
Dichloromethane (DCM) #	<0.003	<0.003	<0.003								<0.003	mg/l	TM15/PM10
trans-1-2-Dichloroethene #	<0.003	<0.003	<0.003								<0.003	mg/l	TM15/PM10
1,1-Dichloroethane #	<0.003	<0.003	<0.003								<0.003	mg/l	TM15/PM10
cis-1-2-Dichloroethene #	<0.003	<0.003	<0.003								<0.003	mg/l	TM15/PM10
2,2-Dichloropropane	<0.001	<0.001	<0.001								<0.001	mg/l	TM15/PM10
Bromochloromethane #	<0.002	<0.002	<0.002								<0.002	mg/l	TM15/PM10
Chloroform #	<0.002	<0.002	<0.002								<0.002	mg/l	TM15/PM10
1,1,1-Trichloroethane #	<0.002	<0.002	<0.002								<0.002	mg/l	TM15/PM10
1,1-Dichloropropene #	<0.003	<0.003	<0.003								<0.003	mg/l	TM15/PM10
Carbon tetrachloride #	<0.002	<0.002	<0.002								<0.002	mg/l	TM15/PM10
1,2-Dichloroethane #	<0.002	<0.002	<0.002								<0.002	mg/l	TM15/PM10
Benzene #	119.138++	20.536++	3.084++								<0.001	mg/l	TM15/PM10
Trichloroethene (TCE) #	<0.003	0.009	<0.003								<0.003	mg/l	TM15/PM10
1,2-Dichloropropane #	<0.002	<0.002	<0.002								<0.002	mg/l	TM15/PM10
Dibromomethane #	<0.003	<0.003	<0.003								<0.003	mg/l	TM15/PM10
Bromodichloromethane #	<0.002	<0.002	<0.002								<0.002	mg/l	TM15/PM10
cis-1-3-Dichloropropene	<0.002	<0.002	<0.002								<0.002	mg/l	TM15/PM10
Toluene #	10.371++	4.477++	0.913								<0.002	mg/l	TM15/PM10
trans-1-3-Dichloropropene	<0.002	<0.002	<0.002								<0.002	mg/l	TM15/PM10
1,1,2-Trichloroethane #	<0.002	<0.002	<0.002								<0.002	mg/l	TM15/PM10
Tetrachloroethene (PCE) #	<0.003	<0.003	<0.003								<0.003	mg/l	TM15/PM10
1,3-Dichloropropane #	<0.002	<0.002	<0.002								<0.002	mg/l	TM15/PM10
Dibromochloromethane #	<0.002	<0.002	<0.002								<0.002	mg/l	TM15/PM10
1,2-Dibromoethane #	<0.002	<0.002	<0.002								<0.002	mg/l	TM15/PM10
Chlorobenzene #	<0.002	<0.002	<0.002								<0.002	mg/l	TM15/PM10
1,1,1,2-Tetrachloroethane #	<0.002	<0.002	<0.002								<0.002	mg/l	TM15/PM10
Ethylbenzene #	0.818	1.061++	0.066								<0.002	mg/l	TM15/PM10
p/m-Xylene #	4.382++	2.895++	0.248								<0.003	mg/l	TM15/PM10
o-Xylene #	2.120++	1.730++	0.113								<0.002	mg/l	TM15/PM10
Styrene	<0.002	<0.002	<0.002								<0.002	mg/l	TM15/PM10
Bromoform #	<0.002	<0.002	<0.002								<0.002	mg/l	TM15/PM10
Isopropylbenzene #	0.033	0.056	<0.003								<0.003	mg/l	TM15/PM10
1,1,2,2-Tetrachloroethane	<0.004	<0.004	<0.004								<0.004	mg/l	TM15/PM10
Bromobenzene #	<0.002	<0.002	<0.002								<0.002	mg/l	TM15/PM10
1,2,3-Trichloropropane #	<0.003	<0.003	<0.003								<0.003	mg/l	TM15/PM10
Propylbenzene #	0.041	0.183	<0.003								<0.003	mg/l	TM15/PM10
2-Chlorotoluene #	<0.003	<0.003	<0.003								<0.003	mg/l	TM15/PM10
1,3,5-Trimethylbenzene #	0.179	0.444	0.020								<0.003	mg/l	TM15/PM10
4-Chlorotoluene #	<0.003	<0.003	<0.003								<0.003	mg/l	TM15/PM10
tert-Butylbenzene #	<0.003	<0.003	<0.003								<0.003	mg/l	TM15/PM10
1,2,4-Trimethylbenzene #	0.718	1.617++	0.071								<0.003	mg/l	TM15/PM10
sec-Butylbenzene #	<0.003	<0.003	<0.003								<0.003	mg/l	TM15/PM10
4-Isopropyltoluene #	<0.003	<0.003	<0.003								<0.003	mg/l	TM15/PM10
1,3-Dichlorobenzene #	<0.003	<0.003	<0.003								<0.003	mg/l	TM15/PM10
1,4-Dichlorobenzene #	<0.003	<0.003	<0.003								<0.003	mg/l	TM15/PM10
n-Butylbenzene #	<0.003	<0.003	<0.003								<0.003	mg/l	TM15/PM10
1,2-Dichlorobenzene #	<0.003	<0.003	<0.003								<0.003	mg/l	TM15/PM10
1,2-Dibromo-3-chloropropane	<0.002	<0.002	<0.002								<0.002	mg/l	TM15/PM10
1,2,4-Trichlorobenzene	<0.003	<0.003	<0.003								<0.003	mg/l	TM15/PM10
Hexachlorobutadiene	<0.003	<0.003	<0.003								<0.003	mg/l	TM15/PM10
Naphthalene	2.500++	7.697++	0.418								<0.002	mg/l	TM15/PM10
1,2,3-Trichlorobenzene	<0.003	<0.003	<0.003								<0.003	mg/l	TM15/PM10
Surrogate Recovery Toluene D8	93	113	88								<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	92	103	86								<0	%	TM15/PM10

Client Name: Worley Parsons **VOC Report :** **Product**

Reference: 51576

Location: TOTTENHAM

Contact: Sam Thrupp

JE Job No.: 13/1943

J E Sample No.	13-18												
Sample ID	BH12-03140213 WG2.48												
Depth	2.48										Please see attached notes for all abbreviations and acronyms		
COC No / misc													
Containers	V H N Z P G												
Sample Date	14/02/2013												
Sample Type	Ground Water												
Batch Number	1										LOD	Units	Method No.
Date of Receipt	16/02/2013												
VOC MS													
Dichlorodifluoromethane	<0.01										<0.01	%	TM15/PM10
Methyl Tertiary Butyl Ether	<0.01										<0.01	%	TM15/PM10
Chloromethane	<0.01										<0.01	%	TM15/PM10
Vinyl Chloride	<0.01										<0.01	%	TM15/PM10
Bromomethane	<0.01										<0.01	%	TM15/PM10
Chloroethane	<0.01										<0.01	%	TM15/PM10
Trichlorofluoromethane	<0.01										<0.01	%	TM15/PM10
1,1-Dichloroethene (1,1 DCE)	<0.01										<0.01	%	TM15/PM10
Dichloromethane (DCM)	<0.01										<0.01	%	TM15/PM10
trans-1-2-Dichloroethene	<0.01										<0.01	%	TM15/PM10
1,1-Dichloroethane	<0.01										<0.01	%	TM15/PM10
cis-1-2-Dichloroethene	<0.01										<0.01	%	TM15/PM10
2,2-Dichloropropane	<0.01										<0.01	%	TM15/PM10
Bromochloromethane	<0.01										<0.01	%	TM15/PM10
Chloroform	<0.01										<0.01	%	TM15/PM10
1,1,1-Trichloroethane	<0.01										<0.01	%	TM15/PM10
1,1-Dichloropropene	<0.01										<0.01	%	TM15/PM10
Carbon tetrachloride	<0.01										<0.01	%	TM15/PM10
1,2-Dichloroethane	<0.01										<0.01	%	TM15/PM10
Benzene	0.76										<0.01	%	TM15/PM10
Trichloroethene (TCE)	<0.01										<0.01	%	TM15/PM10
1,2-Dichloropropane	<0.01										<0.01	%	TM15/PM10
Dibromomethane	<0.01										<0.01	%	TM15/PM10
Bromodichloromethane	<0.01										<0.01	%	TM15/PM10
cis-1-3-Dichloropropene	<0.01										<0.01	%	TM15/PM10
Toluene	3.26										<0.01	%	TM15/PM10
trans-1-3-Dichloropropene	<0.01										<0.01	%	TM15/PM10
1,1,2-Trichloroethane	<0.01										<0.01	%	TM15/PM10
Tetrachloroethene (PCE)	<0.01										<0.01	%	TM15/PM10
1,3-Dichloropropane	<0.01										<0.01	%	TM15/PM10
Dibromochloromethane	<0.01										<0.01	%	TM15/PM10
1,2-Dibromoethane	<0.01										<0.01	%	TM15/PM10
Chlorobenzene	<0.01										<0.01	%	TM15/PM10
1,1,1,2-Tetrachloroethane	<0.01										<0.01	%	TM15/PM10
Ethylbenzene	4.07										<0.01	%	TM15/PM10
p/m-Xylene	6.57										<0.01	%	TM15/PM10
o-Xylene	2.19										<0.01	%	TM15/PM10
Styrene	2.67										<0.01	%	TM15/PM10
Bromoform	<0.01										<0.01	%	TM15/PM10
Isopropylbenzene	0.11										<0.01	%	TM15/PM10
1,1,2,2-Tetrachloroethane	<0.01										<0.01	%	TM15/PM10
Bromobenzene	<0.01										<0.01	%	TM15/PM10
1,2,3-Trichloropropane	<0.01										<0.01	%	TM15/PM10
Propylbenzene	0.17										<0.01	%	TM15/PM10
2-Chlorotoluene	<0.01										<0.01	%	TM15/PM10
1,3,5-Trimethylbenzene	1.10										<0.01	%	TM15/PM10
4-Chlorotoluene	<0.01										<0.01	%	TM15/PM10
tert-Butylbenzene	<0.01										<0.01	%	TM15/PM10
1,2,4-Trimethylbenzene	3.62										<0.01	%	TM15/PM10
sec-Butylbenzene	<0.01										<0.01	%	TM15/PM10
4-Isopropyltoluene	<0.01										<0.01	%	TM15/PM10
1,3-Dichlorobenzene	<0.01										<0.01	%	TM15/PM10
1,4-Dichlorobenzene	<0.01										<0.01	%	TM15/PM10
n-Butylbenzene	<0.01										<0.01	%	TM15/PM10
1,2-Dichlorobenzene	<0.01										<0.01	%	TM15/PM10
1,2-Dibromo-3-chloropropane	<0.01										<0.01	%	TM15/PM10
1,2,4-Trichlorobenzene	<0.01										<0.01	%	TM15/PM10
Hexachlorobutadiene	<0.01										<0.01	%	TM15/PM10
Naphthalene	21.06										<0.01	%	TM15/PM10
1,2,3-Trichlorobenzene	<0.01										<0.01	%	TM15/PM10

Client Name: Worley Parsons

Reference: 51576

Location: TOTTENHAM

Contact: Sam Thrupp

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	NDP Reason
13/1943	1	BH12-03140213WG2.48	2.48	13-18	Oily sample unsuitable for this test

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 13/1943

SOILS

Please note we are only MCERTS accredited for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary. If we are instructed to keep samples, a storage charge of £1 (1.5 Euros) per sample per month will be applied until we are asked to dispose of them.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

WATERS

Please note we are not a Drinking Water Inspectorate (DWI) Approved Laboratory . It is important that detection limits are carefully considered when requesting water analysis.

UKAS accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

NOTE

Data is only accredited when all the requirements of our Quality System have been met. In certain circumstances where the requirements have not been met, the laboratory may issue the data in an interim report but will remove the accreditation, in this instance results should be considered indicative only. Where possible samples will be re-extracted and a final report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

ABBREVIATIONS and ACRONYMS USED

#	UKAS accredited.
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance.
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
++	Result outside calibration range, results should be considered as indicative only and are not accredited.
*	Analysis subcontracted to a Jones Environmental approved laboratory.
CO	Suspected carry over
NFD	No Fibres Detected

JE Job No 13/1943

Test Method No.	Description	Prep Method No. (if appropriate)	Description	UKAS	MCERTS (soils only)	Analysis done on As Received (AR) or Air Dried (AD)	Solid Results expressed on Dry/Wet basis
TM1	Whole Oil by GC-FID	PM0	No Preparation			AR	
TM4	16 PAH by GC-MS, modified USEPA 8270	PM30	Magnetic stirrer extraction				
TM4	16 PAH by GC-MS, modified USEPA 8270	PM30	Magnetic stirrer extraction	Yes			
TM5	EPH by GC-FID, modified USEPA 8015	PM30	Magnetic stirrer extraction	Yes			
TM5	EPH by GC-FID, modified USEPA 8015	PM30	Magnetic stirrer extraction	Yes		AR	
TM5/TM36	TPH CWG by GC-FID	PM30	Magnetic stirrer extraction				
TM5/TM36	TPH CWG by GC-FID	PM30	Magnetic stirrer extraction	Yes			
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS				
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS	Yes			
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS			AR	
TM26	Phenols by HPLC	PM0	No Preparation				
TM30	Metals by ICP-OES	PM0	No Preparation				
TM30	Metals by ICP-OES	PM14	Metals by ICP (Waters)				
TM30	Metals by ICP-OES	PM14	Metals by ICP (Waters)	Yes			
TM36	GRO by Headspace GC-FID	PM12	GRO GC-FID	Yes			
TM37	Total Suspended Solids- gravimetric	PM0	No Preparation				
TM38	SO4,Cl,NO3,NO2,F,PO4, Amm N2,ThioCN, Hex Cr by Aquakem	PM0	No Preparation	Yes			
TM60	TOC/DOC by NDIR	PM0	No Preparation				
TM61	Mercury - low level CVAF	PM38	Mercury CVAF	Yes			
TM73	pH in by Metrohm	PM0	No Preparation	Yes			
TM76	Electrical Conductivity by Metrohm	PM0	No Preparation	Yes			
TM89	Cyanide by FIA	PM0	No Preparation				
TM89	Cyanide by FIA	PM0	No Preparation	Yes			
TM106	Sulphide by CFA	PM0	No Preparation				
TM107	Thiocyanate by CFA	PM0	No Preparation				

Jones Environmental Laboratory

Unit 3 Deeside Point
Zone 3
Deeside Industrial Park
Deeside
CH5 2UA

Tel: +44 (0) 1244 833780
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Worley Parsons
27 Great West Rd
Brentford
TW8 9BW

No.4225

Attention :	Sam Thrupp
Date :	27th March, 2013
Your reference :	
Our reference :	Test Report 13/2384 Batch 1 Schedule E
Location :	TOTTENHAM BUS DEPOT
Date samples received :	1st March, 2013
Status :	Final report
Issue :	1

Fourteen samples were received for analysis on 1st March, 2013. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Jamie Williams B.Sc
Project Co-ordinator

Bob Millward B.Sc
Principal Chemist

Jones Environmental Laboratory

Client Name: Worley Parsons **Report : Liquid**

Reference:

Location: TOTTENHAM BUS DEPOT

Contact: Sam Thrupp **Liquids/products:** V=40ml vial, G=glass bottle, P=plastic bottle

JE Job No.: 13/2384 $H=H_2SO_4$, Z=ZnAc, N=NaOH, $HN=HN0_3$

J E Sample No.	14-20												
Sample ID	BH12-05280213 WG												
Depth	3.05										Please see attached notes for all abbreviations and acronyms		
COC No / misc													
Containers	V H N Z P G												
Sample Date	28/02/2013												
Sample Type	Ground Water												
Batch Number	1										**LOD**	**Units**	**Method No.**
Date of Receipt	01/03/2013												
Dissolved Arsenic #	0.0134										<0.0009	mg/l	TM30/PM14
Dissolved Cadmium #	<0.00003										<0.00003	mg/l	TM30/PM14
Total Dissolved Chromium #	0.0011										<0.0002	mg/l	TM30/PM14
Dissolved Copper #	<0.003										<0.003	mg/l	TM30/PM14
Total Dissolved Iron #	0.0427										<0.0047	mg/l	TM30/PM14
Dissolved Lead #	0.0038										<0.0004	mg/l	TM30/PM14
Dissolved Nickel #	0.0036										<0.0002	mg/l	TM30/PM14
Dissolved Selenium #	<0.0012										<0.0012	mg/l	TM30/PM14
Dissolved Zinc #	0.0026										<0.0015	mg/l	TM30/PM14
Mercury Dissolved by CVAF #	<0.01										<0.01	ug/l	TM61/PM38
Total Hardness Dissolved (as CaCO3)	1295										<1	mg/l	TM30/PM0
Total Dissolved Sulphur	52.31										<0.01	mg/l	TM30/PM14
PAH MS													
Naphthalene #	<0.000014										<0.000014	mg/l	TM4/PM30
Acenaphthylene #	0.000230										<0.000013	mg/l	TM4/PM30
Acenaphthene #	0.000960										<0.000013	mg/l	TM4/PM30
Fluorene #	<0.000014										<0.000014	mg/l	TM4/PM30
Phenanthrene #	<0.000011										<0.000011	mg/l	TM4/PM30
Anthracene #	<0.000013										<0.000013	mg/l	TM4/PM30
Fluoranthene #	<0.000012										<0.000012	mg/l	TM4/PM30
Pyrene #	<0.000013										<0.000013	mg/l	TM4/PM30
Benzo(a)anthracene #	<0.000015										<0.000015	mg/l	TM4/PM30
Chrysene #	<0.000011										<0.000011	mg/l	TM4/PM30
Benzo(bk)fluoranthene #	<0.000018										<0.000018	mg/l	TM4/PM30
Benzo(a)pyrene #	<0.000016										<0.000016	mg/l	TM4/PM30
Indeno(123cd)pyrene #	<0.000011										<0.000011	mg/l	TM4/PM30
Dibenzo(ah)anthracene #	<0.00001										<0.00001	mg/l	TM4/PM30
Benzo(ghi)perylene #	<0.000011										<0.000011	mg/l	TM4/PM30
PAH 16 Total #	0.001190										<0.000195	mg/l	TM4/PM30
Benzo(b)fluoranthene	<0.00001										<0.00001	mg/l	TM4/PM30
Benzo(k)fluoranthene	<0.00001										<0.00001	mg/l	TM4/PM30
PAH Surrogate % Recovery	103										<0	%	TM4/PM30
Methyl Tertiary Butyl Ether #	<0.001										<0.001	mg/l	TM15/PM10
Benzene #	<0.001										<0.001	mg/l	TM15/PM10
Toluene #	<0.002										<0.002	mg/l	TM15/PM10
Ethylbenzene #	<0.002										<0.002	mg/l	TM15/PM10
p/m-Xylene #	<0.003										<0.003	mg/l	TM15/PM10
o-Xylene #	<0.002										<0.002	mg/l	TM15/PM10
Surrogate Recovery Toluene D8	107										<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	126										<0	%	TM15/PM10
EPH (C8-C40) #	<0.01										<0.01	mg/l	TM5/PM30

Client Name: Worley Parsons **Report : Liquid**

Reference:

Location: TOTTENHAM BUS DEPOT

Contact: Sam Thrupp **Liquids/products:** V=40ml vial, G=glass bottle, P=plastic bottle

JE Job No.: 13/2384 $H=H_2SO_4$, Z=ZnAc, N=NaOH, $HN=HN0_3$

Please see attached notes for all abbreviations and acronyms

J E Sample No.	14-20										LOD	Units	Method No.
Sample ID	BH12-05280213 WG												
Depth	3.05												
COC No / misc													
Containers	V H N Z P G												
Sample Date	28/02/2013												
Sample Type	Ground Water												
Batch Number	1												
Date of Receipt	01/03/2013												
TPH CWG													
Aliphatics													
>C5-C6 #	0.109										<0.005	mg/l	TM36/PM12
>C6-C8 #	0.193										<0.005	mg/l	TM36/PM12
>C8-C10 #	0.224										<0.005	mg/l	TM36/PM12
>C10-C12 #	<0.005										<0.005	mg/l	TM5/PM30
>C12-C16 #	<0.01										<0.01	mg/l	TM5/PM30
>C16-C21 #	<0.01										<0.01	mg/l	TM5/PM30
>C21-C35 #	<0.01										<0.01	mg/l	TM5/PM30
Total aliphatics C5-35 #	0.53										<0.01	mg/l	TM5/TM36/PM30
Total aliphatics C5-C12 #	0.53										<0.01	mg/l	TM5/TM36/PM30
Total aliphatics >C12-C35 #	<0.01										<0.01	mg/l	TM5/TM36/PM30
Aromatics													
>C5-EC7 #	<0.005										<0.005	mg/l	TM36/PM12
>EC7-EC8 #	<0.005										<0.005	mg/l	TM36/PM12
>EC8-EC10 #	<0.005										<0.005	mg/l	TM36/PM12
>EC10-EC12 #	<0.005										<0.005	mg/l	TM5/PM30
>EC12-EC16 #	<0.01										<0.01	mg/l	TM5/PM30
>EC16-EC21 #	<0.01										<0.01	mg/l	TM5/PM30
>EC21-EC35 #	<0.01										<0.01	mg/l	TM5/PM30
Total aromatics C5-35 #	<0.01										<0.01	mg/l	TM5/PM30
Total aromatics C6-C12	<0.01										<0.01	mg/l	TM5/TM36/PM30
Total aromatics >EC12-EC35 #	<0.01										<0.01	mg/l	TM5/TM36/PM30
Total aliphatics and aromatics(C5-35) #	0.53										<0.01	mg/l	TM5/TM36/PM30
Resorcinol	<0.0005										<0.0005	mg/l	TM26/PM0
Catechol	<0.0005										<0.0005	mg/l	TM26/PM0
Phenol	<0.0005										<0.0005	mg/l	TM26/PM0
m/p-cresol	<0.0005										<0.0005	mg/l	TM26/PM0
o-cresol	<0.0005										<0.0005	mg/l	TM26/PM0
Total cresols	<0.0005										<0.0005	mg/l	TM26/PM0
Xylenols	<0.0005										<0.0005	mg/l	TM26/PM0
1-naphthol	<0.0005										<0.0005	mg/l	TM26/PM0
2,3,5-trimethyl phenol	<0.0005										<0.0005	mg/l	TM26/PM0
2-isopropylphenol	<0.0005										<0.0005	mg/l	TM26/PM0
Total Speciated Phenols HPLC	<0.005										<0.005	mg/l	TM26/PM0
Sulphate #	309.99										<0.05	mg/l	TM38/PM0
Chloride #	276.5										<0.3	mg/l	TM38/PM0
Free Cyanide #	<0.005										<0.005	mg/l	TM89/PM0
Total Cyanide	0.097										<0.005	mg/l	TM89/PM0
Complex Cyanide	0.10										<0.01	mg/l	TM89/PM0

Jones Environmental Laboratory

Client Name: Worley Parsons

Report : Liquid

Reference:

Location: TOTTENHAM BUS DEPOT

Contact: Sam Thrupp

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle

JE Job No.: 13/2384

H=H_2SO_4, Z=ZnAc, N=NaOH, HN=$HN0_3$

J E Sample No.	14-20												
Sample ID	BH12-05280213 WG												
Depth	3.05												
COC No / misc													
Containers	V H N Z P G												
Sample Date	28/02/2013												
Sample Type	Ground Water												
Batch Number	1												
Date of Receipt	01/03/2013												
Ammoniacal Nitrogen as NH4 #	24.67 ++											<0.03	mg/l	TM38/PM0
Sulphide	<0.3											<0.3	mg/l	TM106/PM0
Thiocyanate	<0.02											<0.02	mg/l	TM107/PM0
Dissolved Organic Carbon	32											<2	mg/l	TM60/PM0
Electrical Conductivity @25C #	2753											<2	uS/cm	TM76/PM0
pH #	7.55											<0.01	pH units	TM73/PM0
Total Suspended Solids	21											<10	mg/l	TM37/PM0

Please see attached notes for all abbreviations and acronyms

Client Name: Worley Parsons **VOC Report :** **Liquid**

Reference:

Location: TOTTENHAM BUS DEPOT

Contact: Sam Thrupp

JE Job No.: 13/2384

J E Sample No.	14-20												
Sample ID	BH12-05280213 WG												
Depth	3.05										Please see attached notes for all abbreviations and acronyms		
COC No / misc													
Containers	V H N Z P G												
Sample Date	28/02/2013												
Sample Type	Ground Water												
Batch Number	1										LOD	Units	Method No.
Date of Receipt	01/03/2013												
VOC MS													
Dichlorodifluoromethane	<0.002										<0.002	mg/l	TM15/PM10
Methyl Tertiary Butyl Ether #	<0.001										<0.001	mg/l	TM15/PM10
Chloromethane #	<0.003										<0.003	mg/l	TM15/PM10
Vinyl Chloride	<0.0001										<0.0001	mg/l	TM15/PM10
Bromomethane	<0.001										<0.001	mg/l	TM15/PM10
Chloroethane #	<0.003										<0.003	mg/l	TM15/PM10
Trichlorofluoromethane #	<0.003										<0.003	mg/l	TM15/PM10
1,1-Dichloroethene (1,1 DCE) #	<0.003										<0.003	mg/l	TM15/PM10
Dichloromethane (DCM) #	<0.003										<0.003	mg/l	TM15/PM10
trans-1-2-Dichloroethene #	<0.003										<0.003	mg/l	TM15/PM10
1,1-Dichloroethane #	<0.003										<0.003	mg/l	TM15/PM10
cis-1-2-Dichloroethene #	<0.003										<0.003	mg/l	TM15/PM10
2,2-Dichloropropane	<0.001										<0.001	mg/l	TM15/PM10
Bromochloromethane #	<0.002										<0.002	mg/l	TM15/PM10
Chloroform #	<0.002										<0.002	mg/l	TM15/PM10
1,1,1-Trichloroethane #	<0.002										<0.002	mg/l	TM15/PM10
1,1-Dichloropropene #	<0.003										<0.003	mg/l	TM15/PM10
Carbon tetrachloride #	<0.002										<0.002	mg/l	TM15/PM10
1,2-Dichloroethane #	<0.002										<0.002	mg/l	TM15/PM10
Benzene #	<0.001										<0.001	mg/l	TM15/PM10
Trichloroethene (TCE) #	<0.003										<0.003	mg/l	TM15/PM10
1,2-Dichloropropane #	<0.002										<0.002	mg/l	TM15/PM10
Dibromomethane #	<0.003										<0.003	mg/l	TM15/PM10
Bromodichloromethane #	<0.002										<0.002	mg/l	TM15/PM10
cis-1-3-Dichloropropene	<0.002										<0.002	mg/l	TM15/PM10
Toluene #	<0.002										<0.002	mg/l	TM15/PM10
trans-1-3-Dichloropropene	<0.002										<0.002	mg/l	TM15/PM10
1,1,2-Trichloroethane #	<0.002										<0.002	mg/l	TM15/PM10
Tetrachloroethene (PCE) #	<0.003										<0.003	mg/l	TM15/PM10
1,3-Dichloropropane #	<0.002										<0.002	mg/l	TM15/PM10
Dibromochloromethane #	<0.002										<0.002	mg/l	TM15/PM10
1,2-Dibromoethane #	<0.002										<0.002	mg/l	TM15/PM10
Chlorobenzene #	<0.002										<0.002	mg/l	TM15/PM10
1,1,1,2-Tetrachloroethane #	<0.002										<0.002	mg/l	TM15/PM10
Ethylbenzene #	<0.002										<0.002	mg/l	TM15/PM10
p/m-Xylene #	<0.003										<0.003	mg/l	TM15/PM10
o-Xylene #	<0.002										<0.002	mg/l	TM15/PM10
Styrene	<0.002										<0.002	mg/l	TM15/PM10
Bromoform #	<0.002										<0.002	mg/l	TM15/PM10
Isopropylbenzene #	<0.003										<0.003	mg/l	TM15/PM10
1,1,2,2-Tetrachloroethane	<0.004										<0.004	mg/l	TM15/PM10
Bromobenzene #	<0.002										<0.002	mg/l	TM15/PM10
1,2,3-Trichloropropane #	<0.003										<0.003	mg/l	TM15/PM10
Propylbenzene #	<0.003										<0.003	mg/l	TM15/PM10
2-Chlorotoluene #	<0.003										<0.003	mg/l	TM15/PM10
1,3,5-Trimethylbenzene #	<0.003										<0.003	mg/l	TM15/PM10
4-Chlorotoluene #	<0.003										<0.003	mg/l	TM15/PM10
tert-Butylbenzene #	<0.003										<0.003	mg/l	TM15/PM10
1,2,4-Trimethylbenzene #	<0.003										<0.003	mg/l	TM15/PM10
sec-Butylbenzene #	<0.003										<0.003	mg/l	TM15/PM10
4-Isopropyltoluene #	<0.003										<0.003	mg/l	TM15/PM10
1,3-Dichlorobenzene #	<0.003										<0.003	mg/l	TM15/PM10
1,4-Dichlorobenzene #	<0.003										<0.003	mg/l	TM15/PM10
n-Butylbenzene #	<0.003										<0.003	mg/l	TM15/PM10
1,2-Dichlorobenzene #	<0.003										<0.003	mg/l	TM15/PM10
1,2-Dibromo-3-chloropropane	<0.002										<0.002	mg/l	TM15/PM10
1,2,4-Trichlorobenzene	<0.003										<0.003	mg/l	TM15/PM10
Hexachlorobutadiene	<0.003										<0.003	mg/l	TM15/PM10
Naphthalene	<0.002										<0.002	mg/l	TM15/PM10
1,2,3-Trichlorobenzene	<0.003										<0.003	mg/l	TM15/PM10
Surrogate Recovery Toluene D8	107										<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	126										<0	%	TM15/PM10

Jones Environmental Laboratory

Notification of Deviating Samples

Matrix : Liquid

Client Name: Worley Parsons

Reference:

Location: TOTTENHAM BUS DEPOT

Contact: Sam Thrupp

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	Analysis	Reason
13/2384	1	BH12-05280213WG	3.05	14-20	Ammonia/AMM N, EPH, GRO, Mercury, Metals, PAH, VOC	Sample holding time exceeded

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 13/2384

SOILS

Please note we are only MCERTS accredited for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary. If we are instructed to keep samples, a storage charge of £1 (1.5 Euros) per sample per month will be applied until we are asked to dispose of them.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

WATERS

Please note we are not a Drinking Water Inspectorate (DWI) Approved Laboratory . It is important that detection limits are carefully considered when requesting water analysis.

UKAS accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

NOTE

Data is only accredited when all the requirements of our Quality System have been met. In certain circumstances where the requirements have not been met, the laboratory may issue the data in an interim report but will remove the accreditation, in this instance results should be considered indicative only. Where possible samples will be re-extracted and a final report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

ABBREVIATIONS and ACRONYMS USED

#	UKAS accredited.
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance.
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
++	Result outside calibration range, results should be considered as indicative only and are not accredited.
*	Analysis subcontracted to a Jones Environmental approved laboratory.
CO	Suspected carry over
OC	Outside Calibration Range
NFD	No Fibres Detected

JE Job No 13/2384

Test Method No.	Description	Prep Method No. (if appropriate)	Description	UKAS	MCERTS (soils only)	Analysis done on As Received (AR) or Air Dried (AD)	Solid Results expressed on Dry/Wet basis
TM4	16 PAH by GC-MS, modified USEPA 8270	PM30	Magnetic stirrer extraction				
TM4	16 PAH by GC-MS, modified USEPA 8270	PM30	Magnetic stirrer extraction	Yes			
TM5	EPH by GC-FID, modified USEPA 8015	PM30	Magnetic stirrer extraction	Yes			
TM5	EPH by GC-FID, modified USEPA 8015	PM30	Magnetic stirrer extraction	Yes		AR	
TM5/TM36	TPH CWG by GC-FID	PM30	Magnetic stirrer extraction				
TM5/TM36	TPH CWG by GC-FID	PM30	Magnetic stirrer extraction	Yes			
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS				
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS	Yes			
TM26	Phenols by HPLC	PM0	No Preparation				
TM30	Metals by ICP-OES	PM0	No Preparation				
TM30	Metals by ICP-OES	PM14	Metals by ICP (Waters)				
TM30	Metals by ICP-OES	PM14	Metals by ICP (Waters)	Yes			
TM36	GRO by Headspace GC-FID	PM12	GRO GC-FID	Yes			
TM37	Total Suspended Solids- gravimetric	PM0	No Preparation				
TM38	SO4,Cl,NO3,NO2,F,PO4, Amm N2,ThioCN, Hex Cr by Aquakem	PM0	No Preparation	Yes			
TM60	TOC/DOC by NDIR	PM0	No Preparation				
TM61	Mercury - low level CVAF	PM38	Mercury CVAF	Yes			
TM73	pH in by Metrohm	PM0	No Preparation	Yes			
TM76	Electrical Conductivity by Metrohm	PM0	No Preparation	Yes			
TM89	Cyanide by FIA	PM0	No Preparation				
TM89	Cyanide by FIA	PM0	No Preparation	Yes			
TM106	Sulphide by CFA	PM0	No Preparation				
TM107	Thiocyanate by CFA	PM0	No Preparation				

Jones Environmental Laboratory

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Worley Parsons
27 Great West Rd
Brentford
TW8 9BW

No.4225

Attention :	Sam Thrupp
Date :	13th March, 2013
Your reference :	
Our reference :	Test Report 13/2384 Batch 1
Location :	TOTTENHAM BUS DEPOT
Date samples received :	1st March, 2013
Status :	Final report
Issue :	1

Fourteen samples were received for analysis on 1st March, 2013. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Jamie Williams B.Sc
Project Co-ordinator

Bob Millward B.Sc
Principal Chemist

Client Name: Worley Parsons **Report : Liquid**

Reference:

Location: TOTTENHAM BUS DEPOT

Contact: Sam Thrupp **Liquids/products:** V=40ml vial, G=glass bottle, P=plastic bottle

JE Job No.: 13/2384 $H=H_2SO_4$, Z=ZnAc, N=NaOH, $HN=HN0_3$

J E Sample No.	1-7	11-13	21-27	28-34	35-41	42-48	49-55	56-62	63-69	70-76	LOD	Units	Method No.
Sample ID	BH12-06280213 WG	WS12-08270213 WG	BH12-04270213 WG	BH12-104270213 WG	WS12-07270213 WG	WS12-06270213 WG	WS12-03270213 WG	WS12-02270213 WG	WS12-01270213 WG	BH12-02270213 WG			
Depth	2.78	1.76	3.24	3.24	1.65	1.86	1.57	1.55	1.01	3.04			
COC No / misc													
Containers	V H N Z P G	V G	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G			
Sample Date	28/02/2013	27/02/2013	27/02/2013	27/02/2013	27/02/2013	27/02/2013	27/02/2013	27/02/2013	27/02/2013	27/02/2013			
Sample Type	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	01/03/2013	01/03/2013	01/03/2013	01/03/2013	01/03/2013	01/03/2013	01/03/2013	01/03/2013	01/03/2013	01/03/2013			
Dissolved Arsenic #	<0.0009	-	0.0041	0.0015	0.0358	<0.0009	0.0059	0.0072	0.5802	<0.0009	<0.0009	mg/l	TM30/PM14
Dissolved Cadmium #	<0.00003	-	0.00006	<0.00003	0.09036	0.00122	0.00005	<0.00003	<0.00003	<0.00003	<0.00003	mg/l	TM30/PM14
Total Dissolved Chromium #	<0.0002	-	0.0006	<0.0002	0.5326	0.0048	<0.0002	0.0055	0.0015	<0.0002	<0.0002	mg/l	TM30/PM14
Dissolved Copper #	<0.003	-	<0.003	<0.003	0.097	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	mg/l	TM30/PM14
Total Dissolved Iron #	0.1255	-	0.2301	0.1528	720.2000	9.7990	0.1515	0.3121	0.6976	0.4565	<0.0047	mg/l	TM30/PM14
Dissolved Lead #	0.0085	-	0.0034	0.0099	0.2705	0.0131	0.0181	0.0168	0.0078	0.0069	<0.0004	mg/l	TM30/PM14
Dissolved Nickel #	0.0012	-	0.0102	0.0066	0.4604	0.0147	0.0062	0.0097	0.0198	0.0095	<0.0002	mg/l	TM30/PM14
Dissolved Selenium #	<0.0012	-	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	mg/l	TM30/PM14
Dissolved Zinc #	<0.0015	-	<0.0015	<0.0015	7.4450	0.2598	0.0022	0.0033	0.0040	<0.0015	<0.0015	mg/l	TM30/PM14
Mercury Dissolved by CVAF #	0.01	-	0.07	0.08	0.26	20.57	<0.01	0.16	0.70	0.04	<0.01	ug/l	TM61/PM38
Total Hardness Dissolved (as CaCO3)	973	1226	1372	1409	1559	1406	1266	900	1794	544	<1	mg/l	TM30/PM0
Total Dissolved Sulphur	45.50	-	35.78	19.75	329.50	55.67	55.65	47.23	113.70	10.22	<0.01	mg/l	TM30/PM14
PAH MS													
Naphthalene #	0.011890 ++	-	0.031180	0.045950	60.016000	0.405860	0.012520 ++	3.403080 ++	2.563010	2.373460	<0.000014	mg/l	TM4/PM30
Acenaphthylene #	0.001880	-	0.014880	0.022140	0.000460	0.045910	0.004240	0.082520	0.210330	0.102700	<0.000013	mg/l	TM4/PM30
Acenaphthene #	0.005850	-	0.128420	0.199080	0.000750	0.019780	0.017050	0.010920	0.028630	0.011720	<0.000013	mg/l	TM4/PM30
Fluorene #	0.000700	-	0.002720	0.002080	0.002850	0.017600	0.001220	0.018610	0.051010	0.015730	<0.000014	mg/l	TM4/PM30
Phenanthrene #	0.001130	-	0.004390	0.003170	0.002330	0.021670	0.002720	0.017720	0.056810	0.016400	<0.000011	mg/l	TM4/PM30
Anthracene #	0.000240	-	0.001700	0.001440	0.000570	0.004130	0.001040	0.003470	0.009880	0.003310	<0.000013	mg/l	TM4/PM30
Fluoranthene #	0.000150	-	0.000790	0.000530	0.000390	0.003210	0.001780	0.000880	0.004070	0.000990	<0.000012	mg/l	TM4/PM30
Pyrene #	0.000470	-	0.000630	0.000440	0.000300	0.002400	0.000980	0.000790	0.000950	0.001010	<0.000013	mg/l	TM4/PM30
Benzo(a)anthracene #	0.000020	-	<0.000300	0.000040	<0.000300	0.000540	0.000050	<0.000300	0.000590	<0.000300	<0.000015	mg/l	TM4/PM30
Chrysene #	0.000020	-	<0.000220	0.000020	<0.000220	0.000430	0.000040	<0.000220	0.000470	<0.000220	<0.000011	mg/l	TM4/PM30
Benzo(bk)fluoranthene #	<0.000018	-	<0.000360	<0.000018	<0.000360	<0.000360	<0.000018	<0.000360	<0.000360	<0.000360	<0.000018	mg/l	TM4/PM30
Benzo(a)pyrene #	<0.000016	-	<0.000320	<0.000016	<0.000320	<0.000320	<0.000016	<0.000320	<0.000320	<0.000320	<0.000016	mg/l	TM4/PM30
Indeno(123cd)pyrene #	<0.000011	-	<0.000220	<0.000011	<0.000220	<0.000220	<0.000011	<0.000220	<0.000220	<0.000220	<0.000011	mg/l	TM4/PM30
Dibenzo(ah)anthracene #	<0.00001	-	<0.00020	<0.00001	<0.00020	<0.00020	<0.00001	<0.00020	<0.00020	<0.00020	<0.00001	mg/l	TM4/PM30
Benzo(ghi)perylene #	<0.000011	-	<0.000220	<0.000011	<0.000220	<0.000220	<0.000011	<0.000220	<0.000220	<0.000220	<0.000011	mg/l	TM4/PM30
PAH 16 Total #	0.022350	-	0.184710	0.274890	60.023650	0.521530	0.041640	3.537990	2.925750	2.525320	<0.000195	mg/l	TM4/PM30
Benzo(b)fluoranthene	<0.00001	-	<0.00020	<0.00001	<0.00020	<0.00020	<0.00001	<0.00020	<0.00020	<0.00020	<0.00001	mg/l	TM4/PM30
Benzo(k)fluoranthene	<0.00001	-	<0.00020	<0.00001	<0.00020	<0.00020	<0.00001	<0.00020	<0.00020	<0.00020	<0.00001	mg/l	TM4/PM30
PAH Surrogate % Recovery	103	-	124	121	106	103	122	99	115	114	<0	%	TM4/PM30
Methyl Tertiary Butyl Ether #	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM15/PM10
Benzene #	<0.001	<0.001	12.353 ++	11.841 ++	178.672 ++	6.011 ++	0.208	71.983	28.047	27.537	<0.001	mg/l	TM15/PM10
Toluene #	<0.002	<0.002	0.040	0.039	28.928	0.408	<0.002	11.830 ++	3.810 ++	4.419 ++	<0.002	mg/l	TM15/PM10
Ethylbenzene #	<0.002	<0.002	0.356	0.361	0.613	0.050	<0.002	1.131 ++	0.665	0.294	<0.002	mg/l	TM15/PM10
p/m-Xylene #	0.009	<0.003	0.021	0.020	4.013 ++	0.163	<0.003	5.359 ++	1.860	0.640	<0.003	mg/l	TM15/PM10
o-Xylene #	<0.002	<0.002	0.022	0.022	1.457 ++	0.088	<0.002	2.658 ++	1.208 ++	0.427	<0.002	mg/l	TM15/PM10
Surrogate Recovery Toluene D8	115	114	110	112	123	119	119	121	129	121	<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	120	111	121	122	120	123	124	146	129	123	<0	%	TM15/PM10
EPH (C8-C40) #	0.05	-	26.35	30.65	242.32	8.49	1.31	130.52	48.96	50.09	<0.01	mg/l	TM5/PM30

Please see attached notes for all abbreviations and acronyms

Client Name: Worley Parsons **Report : Liquid**

Reference:

Location: TOTTENHAM BUS DEPOT

Contact: Sam Thrupp **Liquids/products:** V=40ml vial, G=glass bottle, P=plastic bottle

JE Job No.: 13/2384 $H=H_2SO_4$, Z=ZnAc, N=NaOH, $HN=HN0_3$

J E Sample No.	1-7	11-13	21-27	28-34	35-41	42-48	49-55	56-62	63-69	70-76	LOD	Units	Method No.
Sample ID	BH12-06280213 WG	WS12-08270213 WG	BH12-04270213 WG	BH12-104270213 WG	WS12-07270213 WG	WS12-06270213 WG	WS12-03270213 WG	WS12-02270213 WG	WS12-01270213 WG	BH12-02270213 WG			
Depth	2.78	1.76	3.24	3.24	1.65	1.86	1.57	1.55	1.01	3.04			
COC No / misc													
Containers	V H N Z P G	V G	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G			
Sample Date	28/02/2013	27/02/2013	27/02/2013	27/02/2013	27/02/2013	27/02/2013	27/02/2013	27/02/2013	27/02/2013	27/02/2013			
Sample Type	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	01/03/2013	01/03/2013	01/03/2013	01/03/2013	01/03/2013	01/03/2013	01/03/2013	01/03/2013	01/03/2013	01/03/2013			
TPH CWG													
Aliphatics													
>C5-C6 #	<0.005	<0.005	0.235	0.233	4.932	0.784	<0.005	1.016	1.740	1.324	<0.005	mg/l	TM36/PM12
>C6-C8 #	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.051	<0.005	<0.005	<0.005	<0.005	mg/l	TM36/PM12
>C8-C10 #	0.015	<0.005	0.427	0.484	11.207	0.759	0.104	4.157	1.201	1.146	<0.005	mg/l	TM36/PM12
>C10-C12 #	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.056	0.057	0.074	<0.005	mg/l	TM5/PM30
>C12-C16 #	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.13	<0.01	<0.01	mg/l	TM5/PM30
>C16-C21 #	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.11	<0.01	<0.01	mg/l	TM5/PM30
>C21-C35 #	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/l	TM5/PM30
Total aliphatics C5-35 #	0.02	<0.01	0.66	0.72	16.14	1.54	0.16	5.23	3.24	2.54	<0.01	mg/l	TM5/TM36/PM30
Total aliphatics C5-C12 #	0.02	<0.01	0.66	0.72	16.14	1.54	0.16	5.23	3.00	2.54	<0.01	mg/l	TM5/TM36/PM30
Total aliphatics >C12-C35 #	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.24	<0.01	<0.01	mg/l	TM5/TM36/PM30
Aromatics													
>C5-EC7 #	<0.005	<0.005	21.691	22.471	173.847	4.948	0.209	92.974 ++	30.009 ++	34.714	<0.005	mg/l	TM36/PM12
>EC7-EC8 #	<0.005	<0.005	0.031	0.034	24.761	0.334	<0.005	12.500 ++	2.747	5.163	<0.005	mg/l	TM36/PM12
>EC8-EC10 #	0.019	<0.005	0.347	0.363	3.431	0.286	0.022	6.940	2.836	2.788	<0.005	mg/l	TM36/PM12
>EC10-EC12 #	<0.005	<0.005	0.178	0.286	5.497	0.450	<0.005	4.384	3.343	2.429	<0.005	mg/l	TM5/PM30
>EC12-EC16 #	<0.01	<0.01	0.30	0.56	1.90	0.66	<0.01	1.78	2.53	0.85	<0.01	mg/l	TM5/PM30
>EC16-EC21 #	<0.01	<0.01	<0.01	0.13	0.03	0.23	<0.01	0.09	0.93	0.11	<0.01	mg/l	TM5/PM30
>EC21-EC35 #	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.29	<0.01	<0.01	mg/l	TM5/PM30
Total aromatics C5-35 #	0.02	<0.01	22.55	23.84	209.47	6.91	0.23	118.67	42.69	46.05	<0.01	mg/l	TM5/PM30
Total aromatics C6-C12	0.02	<0.01	22.25	23.15	207.54	6.02	0.23	116.80	38.94	45.09	<0.01	mg/l	TM5/TM36/PM30
Total aromatics >EC12-EC35 #	<0.01	<0.01	0.30	0.69	1.93	0.89	<0.01	1.87	3.75	0.96	<0.01	mg/l	TM5/TM36/PM30
Total aliphatics and aromatics(C5-35) #	0.04	<0.01	23.21	24.56	225.61	8.45	0.39	123.90	45.93	48.59	<0.01	mg/l	TM5/TM36/PM30
Resorcinol	<0.0005	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0623	<0.0050	0.0006	<0.0005	mg/l	TM26/PM0
Catechol	<0.0005	-	<0.0005	0.0008	0.0304	<0.0005	<0.0005	0.0466	<0.0050	0.0015	<0.0005	mg/l	TM26/PM0
Phenol	0.0179	-	0.1872	0.2018	2.3317	0.1031	0.0134	1.4170	0.4648	1.3121	<0.0005	mg/l	TM26/PM0
m/p-cresol	0.0094	-	0.0031	0.0012	0.6887	0.0724	0.0133	2.4051	1.3405	3.9100	<0.0005	mg/l	TM26/PM0
o-cresol	0.0028	-	0.0033	0.0033	0.3754	0.0711	0.0131	2.9005	1.5665	2.6124	<0.0005	mg/l	TM26/PM0
Total cresols	0.0122	-	0.0064	0.0045	1.0641	0.1435	0.0264	5.3056	2.9070	6.5224	<0.0005	mg/l	TM26/PM0
Xylenols	<0.0005	-	0.0761	0.0727	0.2505	0.2579	0.0721	3.8913	3.7977	3.8014	<0.0005	mg/l	TM26/PM0
1-naphthol	<0.0005	-	0.0065	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0050	0.0042	<0.0005	mg/l	TM26/PM0
2,3,5-trimethyl phenol	<0.0005	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0050	<0.0005	<0.0005	mg/l	TM26/PM0
2-isopropylphenol	<0.0005	-	<0.0005	<0.0005	<0.0005	0.0308	<0.0005	0.0420	<0.0050	<0.0005	<0.0005	mg/l	TM26/PM0
Total Speciated Phenols HPLC	0.030	-	0.276	0.280	3.677	0.535	0.112	10.765	7.170	11.642	<0.005	mg/l	TM26/PM0
Sulphate #	279.74	-	81.81	92.46	4300.07	356.53	370.04	238.07	701.41	33.24	<0.05	mg/l	TM38/PM0
Chloride #	156.9	-	333.5	326.7	445.3	176.2	96.7	188.5	540.4	364.3	<0.3	mg/l	TM38/PM0
Free Cyanide #	0.088	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.025	0.005	<0.005	mg/l	TM89/PM0
Total Cyanide	0.177	-	0.132	0.136	1.989	0.261	0.198	0.412	1.721	0.059	<0.005	mg/l	TM89/PM0
Complex Cyanide	0.09	-	0.13	0.14	1.99	0.26	0.20	0.41	1.70	0.05	<0.01	mg/l	TM89/PM0

Please see attached notes for all abbreviations and acronyms

Jones Environmental Laboratory

Client Name: Worley Parsons

Report : Liquid

Reference:

Location: TOTTENHAM BUS DEPOT

Contact: Sam Thrupp

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle

JE Job No.: 13/2384

H=H_2SO_4, Z=ZnAc, N=NaOH, HN=$HN0_3$

J E Sample No.	1-7	11-13	21-27	28-34	35-41	42-48	49-55	56-62	63-69	70-76	LOD	Units	Method No.
Sample ID	BH12-06280213 WG	WS12-08270213 WG	BH12-04270213 WG	BH12-104270213 WG	WS12-07270213 WG	WS12-06270213 WG	WS12-03270213 WG	WS12-02270213 WG	WS12-01270213 WG	BH12-02270213 WG			
Depth	2.78	1.76	3.24	3.24	1.65	1.86	1.57	1.55	1.01	3.04			
COC No / misc													
Containers	V H N Z P G	V G	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G			
Sample Date	28/02/2013	27/02/2013	27/02/2013	27/02/2013	27/02/2013	27/02/2013	27/02/2013	27/02/2013	27/02/2013	27/02/2013			
Sample Type	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	01/03/2013	01/03/2013	01/03/2013	01/03/2013	01/03/2013	01/03/2013	01/03/2013	01/03/2013	01/03/2013	01/03/2013			
Ammoniacal Nitrogen as NH4 #	7.21	-	41.27 ++	41.30 ++	23.82 ++	12.50	18.83 ++	21.06 ++	101.41 ++	17.19 ++	<0.03	mg/l	TM38/PM0
Sulphide	<0.3	-	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	mg/l	TM106/PM0
Thiocyanate	<0.02	-	0.19	0.18	2.19	0.47	<0.02	4.16	32.74	0.06	<0.02	mg/l	TM107/PM0
Dissolved Organic Carbon	16	-	200	50	560	677	11	82	48	170	<2	mg/l	TM60/PM0
Electrical Conductivity @25C #	2061	-	3144	3068	7477	2968	2356	2048	4366	2142	<2	uS/cm	TM76/PM0
pH #	7.08	-	7.16	7.21	2.61	6.93	7.03	6.67	6.69	6.86	<0.01	pH units	TM73/PM0
Total Suspended Solids	38	-	56	23	48	251	22	55	84	76	<10	mg/l	TM37/PM0

Please see attached notes for all abbreviations and acronyms

Jones Environmental Laboratory

Client Name: Worley Parsons

Report : Product

Reference:

Location: TOTTENHAM BUS DEPOT

Contact: Sam Thrupp

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle

JE Job No.: 13/2384

H=H_2SO_4, Z=ZnAc, N=NaOH, HN=$HN0_3$

J E Sample No.	77-83												
Sample ID	BH12-03270213 WG												
Depth	3.79												
COC No / misc													
Containers	V H N Z P G												
Sample Date	27/02/2013												
Sample Type	Product												
Batch Number	1												
Date of Receipt	01/03/2013												
Whole Oil Trace	See Attached											None	TM1/PM0
Carbon Range	C5-C33											None	TM1/PM0
Boiling Point Range	36-476										<50	Degrees C	TM1/PM0
Interpretation	Coal Tar PAH's											None	TM1/PM0
Pristane/Phytane Ratio	N/A											None	TM1/PM0
nC17/Pristane Ratio	N/A											None	TM1/PM0
Age (± 2years) (Christensen & Larsen 1993)	N/A											Years	TM1/PM0

Please see attached notes for all abbreviations and acronyms

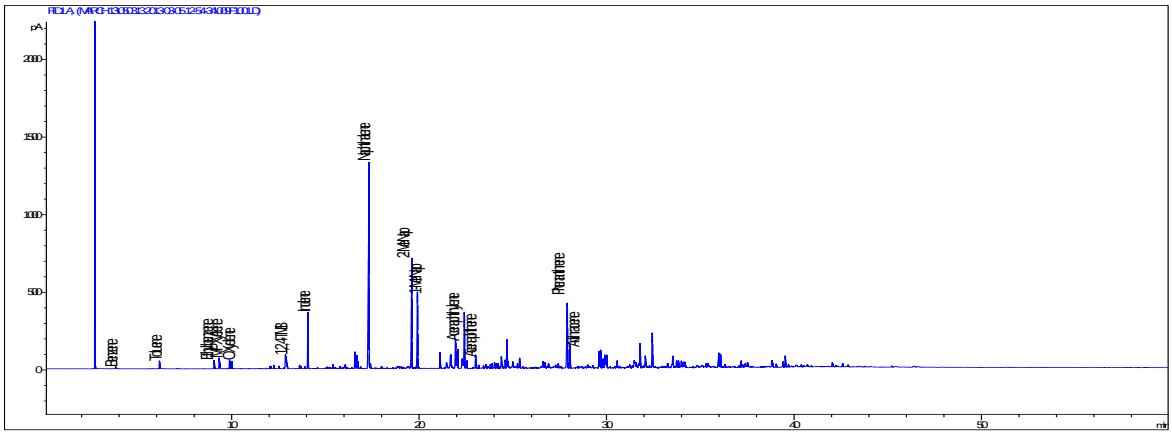
Jones Environmental Forensics Ltd

Whole Oil Analysis by GC-FID

No.4225

Job Number:	13/2384-77		
Client ID:	BH12-03270213WG		
Description:	Black Oil		
Carbon Range:	nC5	to	nC33
Boiling Point Range:	36°C	to	476°C
Pristane/Phytane Ratio:	N/A		
nC_{17}/Pristane Ratio:	N/A		
Age(+/-2 years)	N/A		
Fingerprint:	Coal Tar PAHs		

Chromatogram



Analyst: M A Cully **Date:** 06/03/2013

Client Name: Worley Parsons **VOC Report :** **Liquid**

Reference:

Location: TOTTENHAM BUS DEPOT

Contact: Sam Thrupp

JE Job No.: 13/2384

J E Sample No.	1-7	21-27	28-34	35-41	42-48	49-55	56-62	63-69	70-76		LOD	Units	Method No.
Sample ID	BH12-06280213 WG	BH12-04270213 WG	BH12-104270213 WG	WS12-07270213 WG	WS12-06270213 WG	WS12-03270213 WG	WS12-02270213 WG	WS12-01270213 WG	BH12-02270213 WG				
Depth	2.78	3.24	3.24	1.65	1.86	1.57	1.55	1.01	3.04	Please see attached notes for all abbreviations and acronyms			
COC No / misc													
Containers	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G	V H N Z P G				
Sample Date	28/02/2013	27/02/2013	27/02/2013	27/02/2013	27/02/2013	27/02/2013	27/02/2013	27/02/2013	27/02/2013				
Sample Type	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water				
Batch Number	1	1	1	1	1	1	1	1	1				
Date of Receipt	01/03/2013	01/03/2013	01/03/2013	01/03/2013	01/03/2013	01/03/2013	01/03/2013	01/03/2013	01/03/2013				
VOC MS													
Dichlorodifluoromethane	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
Methyl Tertiary Butyl Ether #	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	mg/l	TM15/PM10
Chloromethane #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
Vinyl Chloride	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	mg/l	TM15/PM10
Bromomethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	mg/l	TM15/PM10
Chloroethane #	<0.003	<0.003	<0.003	0.018	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
Trichlorofluoromethane #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
1,1-Dichloroethene (1,1 DCE) #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
Dichloromethane (DCM) #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
trans-1-2-Dichloroethene #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
1,1-Dichloroethane #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
cis-1-2-Dichloroethene #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
2,2-Dichloropropane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	mg/l	TM15/PM10
Bromochloromethane #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
Chloroform #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
1,1,1-Trichloroethane #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
1,1-Dichloropropene #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
Carbon tetrachloride #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
1,2-Dichloroethane #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
Benzene #	<0.001	12.353++	11.841++	178.672++	6.011++	0.208	71.983	28.047	27.537		<0.001	mg/l	TM15/PM10
Trichloroethene (TCE) #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.009	<0.003		<0.003	mg/l	TM15/PM10
1,2-Dichloropropane #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
Dibromomethane #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
Bromodichloromethane #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
cis-1-3-Dichloropropene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
Toluene #	<0.002	0.040	0.039	28.928	0.408	<0.002	11.830++	3.810++	4.419++		<0.002	mg/l	TM15/PM10
trans-1-3-Dichloropropene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
1,1,2-Trichloroethane #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
Tetrachloroethene (PCE) #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
1,3-Dichloropropane #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
Dibromochloromethane #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
1,2-Dibromoethane #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
Chlorobenzene #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
1,1,1,2-Tetrachloroethane #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
Ethylbenzene #	<0.002	0.356	0.361	0.613	0.050	<0.002	1.131++	0.665	0.294		<0.002	mg/l	TM15/PM10
p/m-Xylene #	0.009	0.021	0.020	4.013++	0.163	<0.003	5.359++	1.860	0.640		<0.003	mg/l	TM15/PM10
o-Xylene #	<0.002	0.022	0.022	1.457++	0.088	<0.002	2.658++	1.208++	0.427		<0.002	mg/l	TM15/PM10
Styrene	<0.002	<0.002	<0.002	<0.002	0.014	<0.002	0.295	0.171	0.198		<0.002	mg/l	TM15/PM10
Bromoform #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
Isopropylbenzene #	<0.003	0.030	0.029	0.059	0.005	<0.003	0.039	0.027	0.005		<0.003	mg/l	TM15/PM10
1,1,2,2-Tetrachloroethane	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004		<0.004	mg/l	TM15/PM10
Bromobenzene #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
1,2,3-Trichloropropane #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
Propylbenzene #	<0.003	0.029	0.030	0.012	0.004	<0.003	0.046	0.068	0.004		<0.003	mg/l	TM15/PM10
2-Chlorotoluene #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
1,3,5-Trimethylbenzene #	<0.003	<0.003	<0.003	0.072	0.014	<0.003	0.213	0.175	0.021		<0.003	mg/l	TM15/PM10
4-Chlorotoluene #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
tert-Butylbenzene #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
1,2,4-Trimethylbenzene #	<0.003	0.004	<0.003	0.197	0.047	<0.003	0.711	0.773	0.072		<0.003	mg/l	TM15/PM10
sec-Butylbenzene #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
4-Isopropyltoluene #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
1,3-Dichlorobenzene #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
1,4-Dichlorobenzene #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
n-Butylbenzene #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
1,2-Dichlorobenzene #	<0.003	<0.003	<0.003	<0.003	<0.003	0.009	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
1,2-Dibromo-3-chloropropane	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	mg/l	TM15/PM10
1,2,4-Trichlorobenzene	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
Hexachlorobutadiene	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
Naphthalene	<0.002	0.036	0.035	1.573++	0.709	0.015	8.301++	9.057++	1.981++		<0.002	mg/l	TM15/PM10
1,2,3-Trichlorobenzene	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	mg/l	TM15/PM10
Surrogate Recovery Toluene D8	115	110	112	123	119	119	121	129	121		<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	120	121	122	120	123	124	146	129	123		<0	%	TM15/PM10

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 13/2384

SOILS

Please note we are only MCERTS accredited for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary. If we are instructed to keep samples, a storage charge of £1 (1.5 Euros) per sample per month will be applied until we are asked to dispose of them.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

WATERS

Please note we are not a Drinking Water Inspectorate (DWI) Approved Laboratory . It is important that detection limits are carefully considered when requesting water analysis.

UKAS accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

NOTE

Data is only accredited when all the requirements of our Quality System have been met. In certain circumstances where the requirements have not been met, the laboratory may issue the data in an interim report but will remove the accreditation, in this instance results should be considered indicative only. Where possible samples will be re-extracted and a final report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

ABBREVIATIONS and ACRONYMS USED

#	UKAS accredited.
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance.
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
++	Result outside calibration range, results should be considered as indicative only and are not accredited.
*	Analysis subcontracted to a Jones Environmental approved laboratory.
CO	Suspected carry over
NFD	No Fibres Detected

JE Job No 13/2384

Test Method No.	Description	Prep Method No. (if appropriate)	Description	UKAS	MCERTS (soils only)	Analysis done on As Received (AR) or Air Dried (AD)	Solid Results expressed on Dry/Wet basis
TM1	Whole Oil by GC-FID	PM0	No Preparation			AR	
TM4	16 PAH by GC-MS, modified USEPA 8270	PM30	Magnetic stirrer extraction				
TM4	16 PAH by GC-MS, modified USEPA 8270	PM30	Magnetic stirrer extraction	Yes			
TM5	EPH by GC-FID, modified USEPA 8015	PM30	Magnetic stirrer extraction	Yes			
TM5	EPH by GC-FID, modified USEPA 8015	PM30	Magnetic stirrer extraction	Yes		AR	
TM5/TM36	TPH CWG by GC-FID	PM30	Magnetic stirrer extraction				
TM5/TM36	TPH CWG by GC-FID	PM30	Magnetic stirrer extraction	Yes			
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS				
TM15	VOC - Target by GC-MS, modified USEPA 8260	PM10	VOC GC-MS	Yes			
TM26	Phenols by HPLC	PM0	No Preparation				
TM30	Metals by ICP-OES	PM0	No Preparation				
TM30	Metals by ICP-OES	PM14	Metals by ICP (Waters)				
TM30	Metals by ICP-OES	PM14	Metals by ICP (Waters)	Yes			
TM36	GRO by Headspace GC-FID	PM12	GRO GC-FID	Yes			
TM37	Total Suspended Solids- gravimetric	PM0	No Preparation				
TM38	SO4,Cl,NO3,NO2,F,PO4, Amm N2,ThioCN, Hex Cr by Aquakem	PM0	No Preparation	Yes			
TM60	TOC/DOC by NDIR	PM0	No Preparation				
TM61	Mercury - low level CVAF	PM38	Mercury CVAF	Yes			
TM73	pH in by Metrohm	PM0	No Preparation	Yes			
TM76	Electrical Conductivity by Metrohm	PM0	No Preparation	Yes			
TM89	Cyanide by FIA	PM0	No Preparation				
TM89	Cyanide by FIA	PM0	No Preparation	Yes			
TM106	Sulphide by CFA	PM0	No Preparation				
TM107	Thiocyanate by CFA	PM0	No Preparation				

C.1.3. Product

Element Materials Technology
Unit 3 Deeside Point
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Atkins
286 Euston Road
London
United Kingdom
NW1 3AT

4225

Attention :	Lauren Llyas
Date :	26th July, 2023
Your reference :	NGET
Our reference :	Test Report 23/10969 Batch 1
Location :	NGET Tottenham
Date samples received :	6th July, 2023
Status :	Final Report
Issue :	1

Two samples were received for analysis on 6th July, 2023 of which two were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Authorised By:

Simon Gomery BSc
Project Manager

Please include all sections of this report if it is reproduced

Client Name: Atkins
Reference: NGET
Location: NGET Tottenham
Contact: Lauren Llyas
EMT Job No: 23/10969

Report : Product

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle
H=H_2SO_4, Z=ZnAc, N=NaOH, HN=$HN0_3$

EMT Sample No.	1-3	4-6									LOD/LOR	Units	Method No.
Sample ID	BH11BD	BH12-01											
Depth													
COC No / misc													
Containers	V G	V G											
Sample Date	04/07/2023	04/07/2023											
Sample Type	Product	Product											
Batch Number	1	1											
Date of Receipt	06/07/2023	06/07/2023											
Whole Oil Trace #	See Attached	See Attached										None	TM1/PM0
Density @20°C	1.0754	1.0305									<0.0000	g/cm3	TM11/PM0
TPH CWG													
Aliphatics													
>C5-C6 #	<0.1	<0.1									<0.1	%	TM1/PM0
>C6-C8 #	<0.1	0.9									<0.1	%	TM1/PM0
>C8-C10 #	0.2	1.3									<0.1	%	TM1/PM0
>C10-C12 #	0.4	1.4									<0.1	%	TM1/PM0
>C12-C16 #	1.2	3.6									<0.1	%	TM1/PM0
>C16-C21 #	0.7	3.8									<0.1	%	TM1/PM0
>C21-C35 #	<0.1	0.9									<0.1	%	TM1/PM0
Aromatics													
>EC6-EC8 #	0.2	0.4									<0.1	%	TM1/PM0
>EC8-EC10 #	4.0	3.8									<0.1	%	TM1/PM0
>EC10-EC12 #	19.9	14.5									<0.1	%	TM1/PM0
>EC12-EC16 #	27.5	27.0									<0.1	%	TM1/PM0
>EC16-EC21 #	20.9	22.5									<0.1	%	TM1/PM0
>EC21-EC35 #	23.3	18.7									<0.1	%	TM1/PM0
VOC TICs	See Attached	See Attached										None	TM124/PM0
PCBs (Total vs Aroclor 1254)	<0.01	<0.01									<0.01	%	TM17/PM0
Viscosity at 40C*	NDP	NDP										cSt	Subcontracted

Please see attached notes for all abbreviations and acronyms

Client Name: Atkins
Reference: NGET
Location: NGET Tottenham
Contact: Lauren Llyas
EMT Job No: 23/10969

VOC Report : **Product**

EMT Sample No.	1-3	4-6											
Sample ID	BH11BD	BH12-01											
Depth											Please see attached notes for all abbreviations and acronyms		
COC No / misc													
Containers	V G	V G											
Sample Date	04/07/2023	04/07/2023											
Sample Type	Product	Product											
Batch Number	1	1											
Date of Receipt	06/07/2023	06/07/2023									LOD/LOR	Units	Method No.
VOC MS													
Dichlorodifluoromethane	<0.01	<0.01									<0.01	%	TM124/PM0
Methyl Tertiary Butyl Ether	<0.05	<0.05									<0.05	%	TM124/PM0
Chloromethane	<0.01	<0.01									<0.01	%	TM124/PM0
Vinyl Chloride	<0.01	<0.01									<0.01	%	TM124/PM0
Bromomethane	<0.01	<0.01									<0.01	%	TM124/PM0
Chloroethane	<0.01	<0.01									<0.01	%	TM124/PM0
Trichlorofluoromethane	<0.01	<0.01									<0.01	%	TM124/PM0
1,1-Dichloroethene (1,1 DCE)	<0.01	<0.01									<0.01	%	TM124/PM0
Dichloromethane (DCM)	<0.01	<0.01									<0.01	%	TM124/PM0
trans-1-2-Dichloroethene	<0.01	<0.01									<0.01	%	TM124/PM0
1,1-Dichloroethane	<0.01	<0.01									<0.01	%	TM124/PM0
cis-1-2-Dichloroethene	<0.01	<0.01									<0.01	%	TM124/PM0
2,2-Dichloropropane	<0.01	<0.01									<0.01	%	TM124/PM0
Bromochloromethane	<0.01	<0.01									<0.01	%	TM124/PM0
Chloroform	<0.01	<0.01									<0.01	%	TM124/PM0
1,1,1-Trichloroethane	<0.01	<0.01									<0.01	%	TM124/PM0
1,1-Dichloropropene	<0.01	<0.01									<0.01	%	TM124/PM0
Carbon tetrachloride	<0.01	<0.01									<0.01	%	TM124/PM0
1,2-Dichloroethane	<0.01	0.03									<0.01	%	TM124/PM0
Benzene	0.34	4.68									<0.01	%	TM124/PM0
Trichloroethene (TCE)	<0.01	<0.01									<0.01	%	TM124/PM0
1,2-Dichloropropane	<0.01	<0.01									<0.01	%	TM124/PM0
Dibromomethane	<0.01	<0.01									<0.01	%	TM124/PM0
Bromodichloromethane	<0.01	<0.01									<0.01	%	TM124/PM0
cis-1-3-Dichloropropene	<0.01	<0.01									<0.01	%	TM124/PM0
Toluene	0.35	2.95									<0.01	%	TM124/PM0
trans-1-3-Dichloropropene	<0.01	<0.01									<0.01	%	TM124/PM0
1,1,2-Trichloroethane	<0.01	<0.01									<0.01	%	TM124/PM0
Tetrachloroethene (PCE)	<0.01	<0.01									<0.01	%	TM124/PM0
1,3-Dichloropropane	<0.01	<0.01									<0.01	%	TM124/PM0
Dibromochloromethane	<0.01	<0.01									<0.01	%	TM124/PM0
1,2-Dibromoethane	<0.01	<0.01									<0.01	%	TM124/PM0
Chlorobenzene	<0.01	<0.01									<0.01	%	TM124/PM0
1,1,1,2-Tetrachloroethane	<0.01	<0.01									<0.01	%	TM124/PM0
Ethylbenzene	0.75	0.29									<0.01	%	TM124/PM0
m/p-Xylene	0.86	1.53									<0.01	%	TM124/PM0
o-Xylene	0.47	0.03									<0.01	%	TM124/PM0
Styrene	<0.01	0.92									<0.01	%	TM124/PM0
Bromoform	<0.01	<0.01									<0.01	%	TM124/PM0
Isopropylbenzene	0.02	0.03									<0.01	%	TM124/PM0
1,1,2,2-Tetrachloroethane	<0.01	<0.01									<0.01	%	TM124/PM0
Bromobenzene	<0.01	<0.01									<0.01	%	TM124/PM0
1,2,3-Trichloropropane	<0.01	<0.01									<0.01	%	TM124/PM0
Propylbenzene	0.02	0.05									<0.01	%	TM124/PM0
2-Chlorotoluene	<0.01	<0.01									<0.01	%	TM124/PM0
1,3,5-Trimethylbenzene	0.12	0.20									<0.01	%	TM124/PM0
4-Chlorotoluene	<0.01	<0.01									<0.01	%	TM124/PM0
tert-Butylbenzene	<0.01	<0.01									<0.01	%	TM124/PM0
1,2,4-Trimethylbenzene	0.30	0.49									<0.01	%	TM124/PM0
sec-Butylbenzene	<0.01	<0.01									<0.01	%	TM124/PM0
4-Isopropyltoluene	<0.01	<0.01									<0.01	%	TM124/PM0
1,3-Dichlorobenzene	<0.01	<0.01									<0.01	%	TM124/PM0
1,4-Dichlorobenzene	<0.01	<0.01									<0.01	%	TM124/PM0
n-Butylbenzene	0.03	0.06									<0.01	%	TM124/PM0
1,2-Dichlorobenzene	<0.01	<0.01									<0.01	%	TM124/PM0
1,2-Dibromo-3-chloropropane	<0.01	<0.01									<0.01	%	TM124/PM0
1,2,4-Trichlorobenzene	<0.01	<0.01									<0.01	%	TM124/PM0
Hexachlorobutadiene	<0.01	<0.01									<0.01	%	TM124/PM0
Naphthalene	1.36	0.49									<0.01	%	TM124/PM0
1,2,3-Trichlorobenzene	<0.01	<0.01									<0.01	%	TM124/PM0

Job number: 23/10969
Sample number: 1
Sample identity: BH11BD
Sample depth:
Sample Type: Product
Units: %

Method: VOC
Matrix: Product

Note: Only samples with TICs (if requested) are reported. If TICs were requested but no compounds found they are not reported.

CAS No.	Tentative Compound Identification	Retention Time (minutes)	% Match	Concentration
UI_PEAK_GRP	Unidentified Group of Compounds (Poor Quality Match)	1.362 - 15.610	80,80,80,80,80,80,80	0.30
142-82-5	Heptane	5.585	86	0.02
108-87-2	Cyclohexane, methyl-	6.208	90	0.02
591-47-9	Cyclohexene, 4-methyl-	6.635	83	<0.01
591-48-0	Cyclohexene, 3-methyl-	7.264	86	<0.01
1678-91-7	Cyclohexane, ethyl-	8.560	80	<0.01
111-84-2	Nonane	9.688	93	0.02
622-97-9	Benzene, 1-ethenyl-4-methyl-	11.124	93	<0.01
611-14-3	Benzene, 1-ethyl-2-methyl-	11.363	94	0.32
124-18-5	Decane	11.547	93	0.02
622-96-8	Benzene, 1-ethyl-4-methyl-	11.764	91	0.03
98-83-9	.alpha.-Methylstyrene	11.803	93	0.04
100-80-1	Benzene, 1-ethenyl-3-methyl-	12.108 - 12.177	95,96	0.30
526-73-8	Benzene, 1,2,3-trimethyl-	12.603	95	0.07
637-50-3	Benzene, 1-propenyl-	12.688	94	0.04
496-11-7	Indane	12.872	93	0.06
95-13-6	Indene	13.177	97	0.62
1120-21-4	Undecane	13.272	81	0.02
874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	13.466 - 14.230	81,95	0.06
527-84-4	o-Cymene	13.577	90	0.04
768-49-0	Benzene, (2-methyl-1-propenyl)-	13.666	94	0.02
2039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	13.839	97	0.04
2234-20-0	2,4-Dimethylstyrene	13.918	93	0.01
934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	14.010	80	<0.01
95-93-2	Benzene, 1,2,4,5-tetramethyl-	14.154	93	0.01
3333-13-9	Benzene, 1-methyl-4-(2-propenyl)-	14.410	96	0.03
768-00-3	Benzene, (1-methyl-1-propenyl)-, (E)-	14.600	87	0.01
22433-39-2	Benzene,1-methyl-1,2-propadienyl-	14.915	94	0.11
2177-47-1	2-Methylindene	15.072	93	0.11
34324-40-8	Tetracyclo[5.3.0.0<2,6>.0<3,10>]deca-4,8-diene	15.204	91	0.02

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Job number: 23/10969 **Method:** VOC
Sample number: 4 **Matrix:** Product
Sample identity: BH12-01
Sample depth:
Sample Type: Product
Units: %

Note: Only samples with TICs (if requested) are reported. If TICs were requested but no compounds found they are not reported.

CAS No.	Tentative Compound Identification	Retention Time (minutes)	% Match	Concentration
UI_PEAK_GRP	Unidentified Group of Compounds (Poor Quality Match)	1.214 - 15.630	80,80,80,80,80,80,80	1.11
109-66-0	Pentane	2.182	91	0.02
109-68-2	2-Pentene	2.313	90	<0.01
1630-94-0	Cyclopropane, 1,1-dimethyl-	2.418 - 2.474	80,83	<0.01
142-29-0	Cyclopentene	3.018	91	<0.01
110-54-3	n-Hexane	3.608	94	0.05
7642-09-3	3-Hexene, (Z)-	3.713	86	<0.01
592-43-8	2-Hexene	3.772	91	0.02
96-37-7	Cyclopentane, methyl-	4.231	90	0.05
693-89-0	Cyclopentene, 1-methyl-	4.746	81	0.02
110-82-7	Cyclohexane	4.926	90	0.07
589-34-4	Hexane, 3-methyl-	5.097	91	0.02
822-50-4	Cyclopentane, 1,2-dimethyl-, trans-	5.468	87	0.03
142-82-5	Heptane	5.586	91	0.11
7459-71-4	3,5-Dimethylcyclopentene	5.743	87	0.01
1113-56-0	1,3-Pentadiene, 2,3-dimethyl-	5.782	80	0.02
108-87-2	Cyclohexane, methyl-	6.209	93	0.13
2815-58-9	Cyclopentane, 1,2,4-trimethyl-	6.520	90	<0.01
592-27-8	Heptane, 2-methyl-	6.970	91	0.06
591-49-1	Cyclohexene, 1-methyl-	7.268	90	0.02
638-04-0	Cyclohexane, 1,3-dimethyl-, cis-	7.376	90	0.04
6876-23-9	Cyclohexane, 1,2-dimethyl-, trans-	7.809	91	0.04
2207-01-4	Cyclohexane, 1,2-dimethyl-, cis-	7.966	80	<0.01
1678-91-7	Cyclohexane, ethyl-	8.560	91	0.03
3073-66-3	Cyclohexane, 1,1,3-trimethyl-	8.632	93	0.05
1795-09-1	Thiophene, tetrahydro-2-methyl-	9.314	87	0.06
111-84-2	Nonane	9.688	94	0.14
2051-30-1	Octane, 2,6-dimethyl-	10.360	92	0.05
611-14-3	Benzene, 1-ethyl-2-methyl-	11.364 - 11.761	94,94	0.49
124-18-5	Decane	11.547	96	0.10

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Job number: 23/10969
Sample number: 4
Sample identity: BH12-01
Sample depth:
Sample Type: Product
Units: %

Method: VOC
Matrix: Product

Note: Only samples with TICs (if requested) are reported. If TICs were requested but no compounds found they are not reported.

CAS No.	Tentative Compound Identification	Retention Time (minutes)	% Match	Concentration
100-80-1	Benzene, 1-ethenyl-3-methyl-	12.108	96	0.31
873-49-4	Benzene, cyclopropyl-	12.177 - 12.689	93,94	0.16
527-84-4	o-Cymene	12.407 - 13.577	93,94	0.06
526-73-8	Benzene, 1,2,3-trimethyl-	12.603	94	0.11
1074-43-7	Benzene, 1-methyl-3-propyl-	12.948	91	0.03
95-13-6	Indene	13.177	97	0.35
2870-04-4	Benzene, 2-ethyl-1,3-dimethyl-	13.469	87	0.05
7525-62-4	Benzene, 1-ethenyl-3-ethyl-	13.663	96	0.03
3333-13-9	Benzene, 1-methyl-4-(2-propenyl)-	13.836	94	0.04
2039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	13.918 - 14.312	90,93	0.02
1758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	14.007	91	<0.01
95-93-2	Benzene, 1,2,4,5-tetramethyl-	14.154	87	<0.01
1587-04-8	Benzene, 1-methyl-2-(2-propenyl)-	14.414	95	0.03
2177-47-1	2-Methylindene	14.915	95	0.08
622-76-4	Benzene, 1-butynyl-	15.073	96	0.07
612-17-9	1,4-Dihydronaphthalene	15.204	95	0.02

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

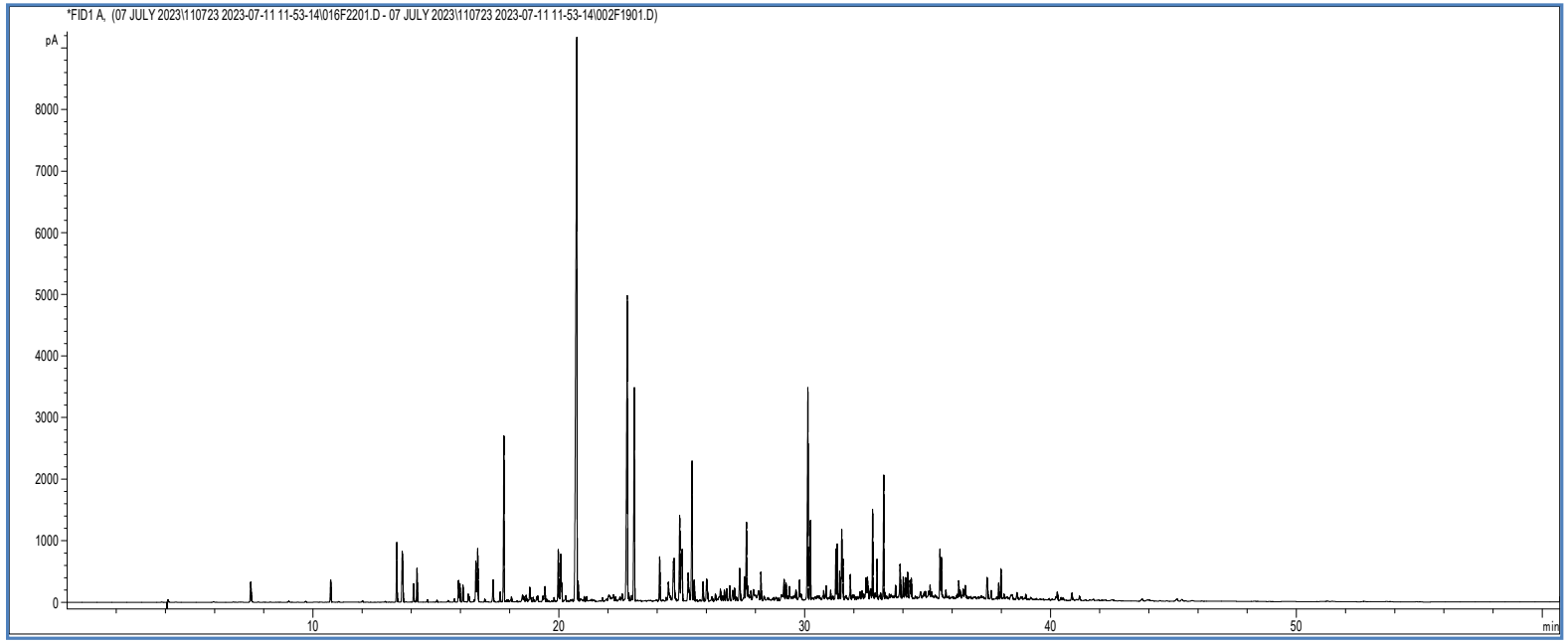
Client Name:	Atkins	**EMT Job No.:**	23/10969
Reference:	NGET	**EMT Sample No.:**	1
Location:	NGET Tottenham	**Sample Identity:**	BH11BD
Contact:	Lauren Llyas	**Depth:**	

Description: Viscous, dark brown coloured oil
Carbon Range: 5-40+
Boiling Point Range (°C): 36-525+

Pristane/Phytane Ratio: n/a
nC_{17}/Pristane Ratio: n/a
Age of Diesel (+/- 2 years)*: Not possible as relevant markers are either not present or values are above the permitted range

Interpretation: Coal tar

Chromatogram:



*The age of release estimated in this report is based on the nC17/pristane ratio only as prescribed by Christensen and Larsen (1993) and Kaplan, Galperin, Alimi et al., (1996). Age estimation should be treated with caution as it can be influenced by site specific factors of which the laboratory is not aware.

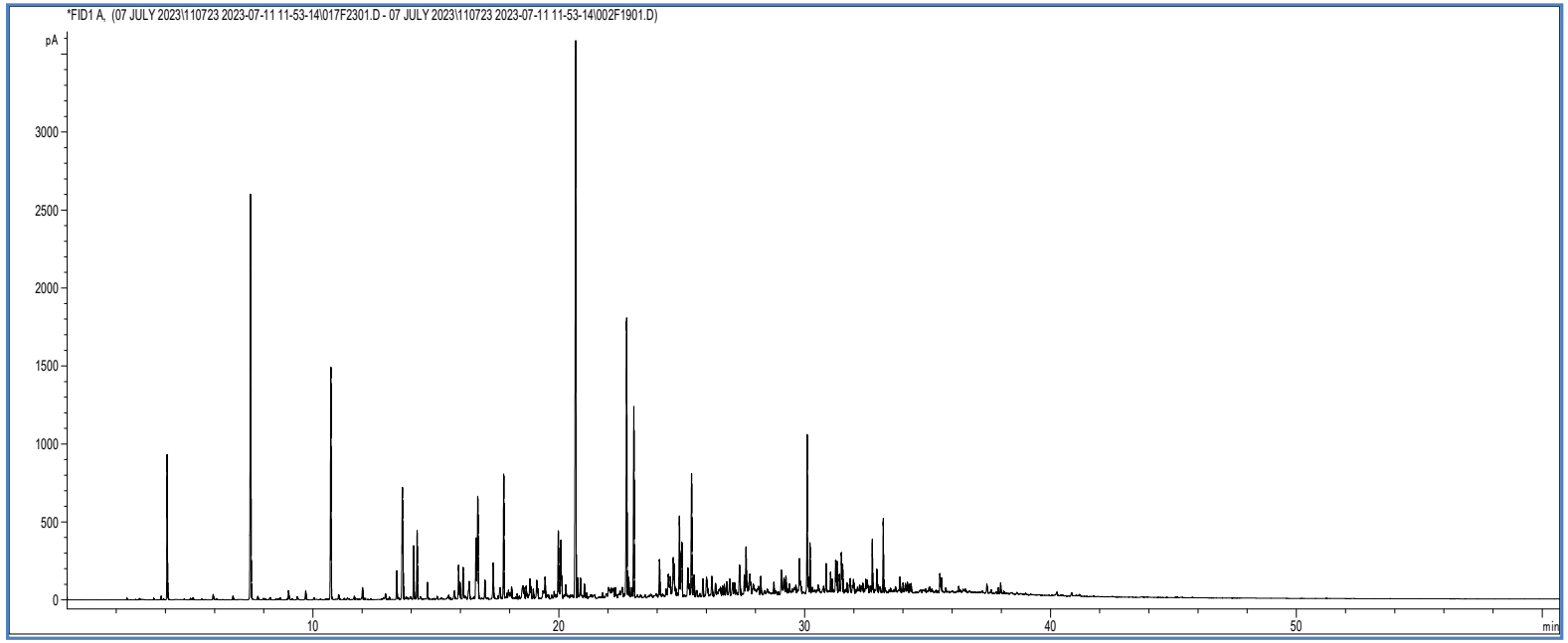
Client Name:	Atkins	**EMT Job No.:**	23/10969
Reference:	NGET	**EMT Sample No.:**	4
Location:	NGET Tottenham	**Sample Identity:**	BH12-01
Contact:	Lauren Llyas	**Depth:**	

Description: Viscous, dark brown coloured oil
Carbon Range: 5-40+
Boiling Point Range (°C): 36-525+

Pristane/Phytane Ratio: n/a
nC_{17}/Pristane Ratio: n/a
Age of Diesel (+/- 2 years)*: Not possible as relevant markers are either not present or values are above the permitted range

Interpretation: Coal tar

Chromatogram:



*The age of release estimated in this report is based on the nC17/pristane ratio only as prescribed by Christensen and Larsen (1993) and Kaplan, Galperin, Alimi et al., (1996). Age estimation should be treated with caution as it can be influenced by site specific factors of which the laboratory is not aware.

Client Name: Atkins

Reference: NGET

Location: NGET Tottenham

Contact: Lauren Llyas

Matrix : Product

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Method No.	NDP Reason
23/10969	1	BH11BD		1-3	Subcontracted	Sample unsuitable for this test
23/10969	1	BH12-01		4-6	Subcontracted	Sample unsuitable for this test

Client Name: Atkins
Reference: NGET
Location: NGET Tottenham
Contact: Lauren Llyas

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analysis	Reason
No deviating sample report results for job 23/10969						

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating.
Only analyses which are accredited are recorded as deviating if set criteria are not met.

Please include all sections of this report if it is reproduced

SOILS and ASH

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary. Asbestos samples are retained for 6 months.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Limits of detection for analyses carried out on as received samples are not moisture content corrected. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C. Ash samples are dried at 37°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Sufficient amount of sample must be received to carry out the testing specified. Where an insufficient amount of sample has been received the testing may not meet the requirements of our accredited methods, as such accreditation may be removed.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCl (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

The calculation of Pyrite content assumes that all oxidisable sulphides present in the sample are pyrite. This may not be the case. The calculation may be an overesitimate when other sulphides such as Barite (Barium Sulphate) are present.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 accreditation applies to surface water and groundwater and usually one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

STACK EMISSIONS

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation for Dioxins and Furans and Dioxin like PCBs has been performed on XAD-2 Resin, only samples which use this resin will be within our MCERTS scope.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

DEVIATING SAMPLES

All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. The temperature of sample receipt is recorded on the confirmation schedules in order that the client can make an informed decision as to whether testing should still be undertaken.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

BLANKS

Where analytes have been found in the blank, the sample will be treated in accordance with our laboratory procedure for dealing with contaminated blanks.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a requirement of our Accreditation Body for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.
Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.
Laboratory records are kept for a period of no less than 6 years.

REPORTS FROM THE SOUTH AFRICA LABORATORY

Any method number not prefixed with SA has been undertaken in our UK laboratory unless reported as subcontracted.

Measurement Uncertainty

Measurement uncertainty defines the range of values that could reasonably be attributed to the measured quantity. This range of values has not been included within the reported results. Uncertainty expressed as a percentage can be provided upon request.

Customer Provided Information

Sample ID and depth is information provided by the customer.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS Ref No. 4225) accredited - UK.
SA	ISO17025 (SANAS Ref No.T0729) accredited - South Africa
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
>>	Results above quantitative calibration range. The result should be considered the minimum value and is indicative only. The actual result could be significantly higher.
*	Analysis subcontracted to an Element Materials Technology approved laboratory.
AD	Samples are dried at 35°C ±5°C
CO	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
OC	Outside Calibration Range

EMT Job No: 23/10969

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM1	Modified USEPA 8015B v2:1996 method for the determination of carbon banding in oil and product samples by GC-FID.	PM0	No preparation is required.			AR	
TM1	Modified USEPA 8015B v2:1996 method for the determination of carbon banding in oil and product samples by GC-FID.	PM0	No preparation is required.	Yes		AR	
TM11	Determination of density by a meter.	PM0	No preparation is required.			AR	
TM17	Modified US EPA method 8270D v5:2014. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.	PM0	No preparation is required.			AR	
TM124	Modified USEPA 8260B v2:1996. Semi- Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM0	No preparation is required.			AR	
Subcontracted	See attached subcontractor report for accreditation status and provider.						

C.2. m BAT

INPUT DATA						RESULTS (Pb)			
ID	Location	Waterbody	Date	Measured Pb Concentration (dissolved) (µg l^{-1})	DOC	Site Specific PNEC Dissolved Pb (µg l^{-1})	BioF	Available Pb (µg l^{-1})	Risk Characterisation Ratio
1					7.40	8.88	0.14	0.00	

INPUT DATA											RESULTS (Copper)				RESULTS (Zinc)				RESULTS (Mn)				RESULTS (Ni)			
ID	Location	Waterbody	Date	Measured Cu Concentration (dissolved) (µg l^{-1})	Measured Zn Concentration (dissolved) (µg l^{-1})	Measured Mn Concentration (dissolved) (µg l^{-1})	Measured Ni Concentration (dissolved) (µg l^{-1})	pH	DOC	Ca	Site-specific PNEC Dissolved Copper (µg l^{-1})	BioF	Bioavailable Copper Concentration (µg l^{-1})	Risk Characterisation Ratio	Site-specific PNEC Dissolved Zinc (µg l^{-1})	BioF	Bioavailable Zinc Concentration (µg l^{-1})	Risk Characterisation Ratio	Site-specific PNEC Dissolved Manganese (µg l^{-1})	BioF	Bioavailable Manganese Concentration (µg l^{-1})	Risk Characterisation Ratio	Site-specific PNEC Dissolved Nickel (µg l^{-1})	BioF	Bioavailable Nickel Concentration (µg l^{-1})	Risk Characterisation Ratio
1								7.45	7.4	96	34.49	0.03			33.11	0.33			636.72	0.19			19.98	0.20		

C.3. GQRA Screening

Assessment Criteria :	Manual SSAC																
CaCO (mg/l):	150.00		pH	0.00													
Calcium (mg/l):	0.00		DOC (mg/l)	0.00	Catchment area:		Thames										
										Location		BH12	BH23-03	BH23-04	BH23-05	BH8	BH9
										Sample ID		BH12	BH23-03	BH23-04	BH23-05	BH8	BH9
										Depth		0.4-0.6m	0.3m	1.7m	1.2m	1.9-2.0m	1.9-2.0m
										Date		41387	45040	45041	45040	41403	41404
										Strata		MG	MG	MG	MG	ALV	ALV
Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences		Zone		Onsite/Dry	Onsite/Dry	Onsite/Dry	Onsite/Dry	Onsite/Dry	Onsite/Dry
pH	pH units	<0.01	6-9	5	6.52	8.7	0					8.43	8.5	8.3	8.7	6.52	-
Electrical Conductivity @25C	uS/cm	<2	No WSV	5	145	250	0					145	160	250	190	248	-
Dissolved Organic Carbon	mg/l	<2	No WSV	2	3	8	0					8				3	-
Thiocyanate	mg/l	<0.02	No WSV	5	0.02	<0.5	0					<0.02	<0.5	<0.5	<0.5	<0.02	-
Sulphide	mg/l	<0.3	No WSV	5	<0.05	<0.3	0					<0.3	<0.05	<0.05	<0.05	<0.3	-
Ammoniacal Nitrogen as NH4	mg/l	<0.03	0.26	5	<0.05	2.4	2	BH23-04, MG; BH23-05, MG				0.15	<0.05	2.4	1.4	0.15	-
Complex Cyanide	mg/l	<0.01	No WSV	5	<0.05	0.15	0					0.15	<0.05	<0.05	<0.05	0.09	-
Total Cyanide	mg/l	<0.005	N/A	5	<0.05	0.15	0					0.15	<0.05	<0.05	<0.05	0.093	-
Free Cyanide	mg/l	<0.005	0.001	5	0.005	<0.05	0					<0.005	<0.05	<0.05	<0.05	<0.005	-
Sulphate	mg/l	<0.05	400	3	26	110	0						49	110	26		-
Sulphate	mg/l	<0.05	400	3	16.36	93.96	0					16.36				93.96	44.09
Chloride	mg/l	<0.3	250	5	0.7	20	0					4.7	<1	2.8	20	0.7	-
Sulphur	mg/l	<0.01	No WSV	5	6.94	38	0					6.94	16	38	8.7	29.95	-
Total Organic Carbon	mg/l	2	No WSV	3	3.3	27	0						3.3	20	27		
Metals																	
Dissolved Arsenic	mg/l	<0.0009	0.05	5	<0.0009	0.08	1	BH23-04, MG				0.0172	0.0035	0.08	0.014	<0.0009	-
Dissolved Cadmium	mg/l	<0.00003	0.00015	5	0.00003	<0.00011	0					<0.00003	<0.00011	<0.00011	<0.00011	<0.00003	-
Dissolved Chromium	mg/l	<0.0002	No WSV	5	<0.0002	0.0013	0					0.0013	<0.0005	<0.0005	<0.0005	<0.0002	-
Dissolved Copper	mg/l	<0.003	0.03449	5	0.00054	0.005	0					0.005	0.0024	0.00054	0.0018	<0.003	-
Dissolved Iron	mg/l	<0.0047	No WSV	5	0.015	9.8	0					0.1327	0.015	0.23	9.8	0.0397	-
Dissolved Lead	mg/l	<0.0004	0.00888	5	<0.0004	0.0042	0					0.004	0.00081	0.00058	0.0042	<0.0004	-
Dissolved Nickel	mg/l	<0.0002	0.01998	5	<0.0002	0.0079	0					0.0079	0.00079	0.0013	0.0021	<0.0002	-
Dissolved Selenium	mg/l	<0.0012	N/A	5	0.00058	0.0076	0					0.0013	0.00058	0.00065	0.0076	<0.0012	-
Dissolved Zinc	mg/l	<0.0015	0.03511	5	0.002	0.022	0					0.0029	0.02	0.022	0.015	0.002	-
Mercury Dissolved by CVAF	mg/l	<0.00001	No WSV	5	<0.00001	0.00102	0					0.00102	<0.00005	<0.00005	<0.00005	<0.00001	-
PAH MS																	
Naphthalene	mg/l	<0.000014	0.002	5	<0.000014	0.077	1	BH23-05, MG				0.0002	<0.0001	<0.0001	0.077	<0.000014	-
Acenaphthylene	mg/l	<0.000013	Screen BaP only	5	<0.000013	0.00017	0					0.00017	<0.0001	<0.0001	<0.0001	<0.000013	-
Acenaphthene	mg/l	<0.000013	Screen BaP only	5	<0.000013	0.0002	0					0.0002	<0.0001	<0.0001	<0.0001	<0.000013	-
Fluorene	mg/l	<0.000014	N/A	5	<0.000014	<0.0001	0					0.00007	<0.0001	<0.0001	<0.0001	<0.000014	-
Phenanthrene	mg/l	<0.000011	Screen BaP only	5	<0.000011	0.00032	0					0.00032	<0.0001	<0.0001	<0.0001	<0.000011	-
Anthracene	mg/l	<0.000013	0.0001	5	<0.000013	0.00029	1	BH12, MG				0.00029	<0.0001	<0.0001	<0.0001	<0.000013	-
Fluoranthene	mg/l	<0.000012	0.0000063	5	<0.000012	0.013	2	BH12, MG; BH23-05, MG				0.00261	<0.0001	<0.0001	0.013	<0.000012	-
Pyrene	mg/l	<0.000013	N/A	5	<0.000013	0.013	0					0.00243	<0.0001	<0.0001	0.013	<0.000013	-
Benzo(a)anthracene	mg/l	<0.000015	Screen BaP only	5	<0.000015	0.00147	0					0.00147	<0.0001	<0.0001	<0.0001	<0.000015	-
Chrysene	mg/l	<0.000011	Screen BaP only	5	<0.000011	0.00131	0					0.00131	<0.0001	<0.0001	<0.0001	<0.000011	-
Benzo(bk)fluoranthene	mg/l	<0.000018	No WSV	2	<0.000018	0.00305	0					0.00305				<0.000018	-
Benzo(a)pyrene	mg/l	<0.000016	0.00000017	5	<0.000016	0.00217	1	BH12, MG				0.00217	<0.0001	<0.0001	<0.0001	<0.000016	-
Indeno(123cd)pyrene	mg/l	<0.000011	Screen BaP only	5	<0.000011	0.00142	0					0.00142	<0.0001	<0.0001	<0.0001	<0.000011	-
Dibenzo(ah)anthracene	mg/l	<0.00001	No WSV	5	<0.00001	0.00012	0					0.00012	<0.0001	<0.0001	<0.0001	<0.00001	-
Benzo(ghi)perylene	mg/l	<0.000011	Screen BaP only	5	<0.000011	0.00078	0					0.00078	<0.0001	<0.0001	<0.0001	<0.000011	-
PAH 16 Total	mg/l	<0.000195	No WSV	5	<0.000195	0.1	0					0.01661	<0.002	<0.002	0.1	<0.000195	-
Benzo(b)fluoranthene	mg/l	<0.00001	Screen BaP only	5	<0.00001	0.0022	0					0.0022	<0.0001	<0.0001	<0.0001	<0.00001	-
Benzo(k)fluoranthene	mg/l	<0.00001	Screen BaP only	5	<0.00001	0.00085	0					0.00085	<0.0001	<0.0001	<0.0001	<0.00001	-
PAH Surrogate % Recovery	%	<0	No WSV	2	71	102	0					71				102	-
Methyl Tertiary Butyl Ether	mg/l	<0.001	No WSV	2	0.001	<0.001	0					<0.001				<0.001	-
Benzene	mg/l	<0.001	0.01	5	<0.001	1.9	1	BH23-04, MG				<0.001	<0.001	1.9	0.0083	<0.001	-
Toluene	mg/l	<0.002	0.074	5	<0.001	0.19	1	BH23-04, MG				<0.002	<0.001	0.19	0.002	<0.002	-
Ethylbenzene	mg/l	<0.002	0.02	5	<0.001	0.017	0					<0.002	<0.001	0.017	<0.001	<0.002	-
p/m-Xylene	mg/l	<0.003	No WSV	5	<0.001	0.072	0					<0.003	<0.001	0.072	<0.001	<0.003	-
o-Xylene	mg/l	<0.002	See Xylenes (total)	5	<0.001	0.031	0					<0.002	<0.001	0.031	<0.001	<0.002	-
Surrogate Recovery Toluene D8	%	<0	No WSV	2	78	140	0					140				78	-
Surrogate Recovery 4-Bromofluorobenzene	%	<0	No WSV	2	66	128	0					128				66	-
EPH (C8-C40)	mg/l	<0.01	No WSV	2	0.01	<0.01	0					<0.01				<0.01	-
PCB																	
PCB 28	mg/l	0.00001	No WSV	3	<0.00001	<0.00001	0						<0.00001	<0.00001	<0.00001		
PCB 52	mg/l	0.00001	No WSV	3	<0.00001	<0.00001	0						<0.00001	<0.00001	<0.00001		
PCB 90+101	mg/l	0.00001	No WSV	3	<0.00001	<0.00001	0						<0.00001	<0.00001	<0.00001		
PCB 118	mg/l	0.00001	No WSV	3	<0.00001	<0.00001	0						<0.00001	<0.00001	<0.00001		
PCB 153	mg/l	0.00001	No WSV	3	<0.00001	<0.00001	0						<0.00001	<0.00001	<0.00001		
PCB 138	mg/l	0.00001	No WSV	3	<0.00001	<0.00001	0						<0.00001	<0.00001	<0.00001		
PCB 180	mg/l	0.00001	No WSV	3	<0.00001	<0.00001	0						<0.00001	<0.00001	<0.00001		
Total PCBs (7 congeners)	mg/l	0.00001	No WSV	3	<0.00001	<0.00001	0						<0.00001	<0.00001	<0.00001		
Resorcinol	mg/l	<0.0005	No WSV	5	0.0005	<0.005	0					<0.0005	<0.005	<0.005	<0.005	<0.0005	-
Catechol	mg/l	<0.0005	No WSV	2	0.0005	<0.0005	0					<0.0005				<0.0005	-
Phenol	mg/l	<0.0005	0.0077	5	<0.0005	0.13	2	BH23-04, MG; BH23-05, MG				<0.0005	<0.005	0.13	0.064	<0.0005	-
m/p-cresol	mg/l	<0.0005	No WSV	2	0.0005	<0.0005	0					<0.0005				<0.0005	-
o-cresol	mg/l	<0.0005	No WSV	2	0.0005	<0.0005	0					<0.0005				<0.0005	-
Total cresols	mg/l	<0.0005	No WSV	5	<0.0005	0.35	0					<0.0005	<0.005	0.35	0.021	<0.0005	-
Xylenols	mg/l	<0.0005	No WSV	5	<0.0005	0.46	0					<0.0005	<0.005	0.46	0.014	<0.0005	-
1-naphthol	mg/l	<0.0005	No WSV	5	0.0005	<0.005	0					<0.0005	<0.005	<0.005	<0.005	<0.0005	-
2,3,5-trimethyl phenol	mg/l	<0.0005	No WSV	2	0.0005	<0.0005	0					<0.0005				<0.0005	-
2-isopropylphenol	mg/l	<0.0005	No WSV	2	0.0005	<0.0005	0					<0.0005				<0.0005	-
Total Speciated Phenols HPLC	mg/l	<0.005	No WSV	5	<0.005	1	0					<0.005	<0.03	1	0.099	<0.005	-
Trimethylphenols	mg/l	0.0050	No WSV	3	<0.005	0.081	0						<0.005	0.081	<0.005		
TPH																	
Aliphatic TPH >C5-C6	mg/l	0.0001	0.01	3	<0.0001	<0.0001	0						<0.0001	<0.0001	<0.0001		
Aliphatic TPH >C6-C8	mg/l	0.0001	0.01	3	<0.0001	0.14	1	BH23-04, MG					<0.0001	0.14	<0.0001		
Aliphatic TPH >C8-C10	mg/l	0.0001	0.01	3	<0.0001	1.7	1	BH23-04, MG					<0.0001	1.7	<0.0001		
Aliphatic TPH >C10-C12	mg/l	0.0001	0.01	3	<0.0001	0.068	1	BH23-04, MG					<0.0001	0.068	<0.0001		
Aliphatic TPH >C12-C16	mg/l	0.0001	0.01	3	<0.0001	<0.0001	0						<0.0001	<0.0001	<0.0001		

Assessment Criteria :	Manual SSAC							
CaCO (mg/l):	150.00		pH	0.00				
Calcium (mg/l):	0.00		DOC (mg/l)	0.00	Catchment area:	Thames		

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	Location		BH12	BH23-03	BH23-04	BH23-05	BH8	BH9
									Sample ID		BH12	BH23-03	BH23-04	BH23-05	BH8	BH9
									Depth		0.4-0.6m	0.3m	1.7m	1.2m	1.9-2.0m	1.9-2.0m
									Date		41387	45040	45041	45040	41403	41404
									Strata		MG	MG	MG	MG	ALV	ALV
										Zone	Onsite/Dry	Onsite/Dry	Onsite/Dry	Onsite/Dry	Onsite/Dry	Onsite/Dry
Aliphatic TPH >C16-C21	mg/l	0.0001	0.01	3	<0.0001	<0.0001	0					<0.0001	<0.0001	<0.0001		
Aliphatic TPH >C21-C35	mg/l	0.0001	0.01	3	<0.0001	<0.0001	0					<0.0001	<0.0001	<0.0001		
Aliphatic TPH >C35-C44	mg/l	0.0001	0.01	3	<0.0001	<0.0001	0					<0.0001	<0.0001	<0.0001		
Total Aliphatic Hydrocarbons	mg/l	0.005	No WSV	3	<0.005	1.9	0					<0.005	1.9	<0.005		
Aromatic TPH >C5-C7	mg/l	0.0001	0.01	3	<0.0001	0.13	1	BH23-04, MG				<0.0001	0.13	<0.0001		
Aromatic TPH >C7-C8	mg/l	0.0001	0.01	3	<0.0001	0.42	1	BH23-04, MG				<0.0001	0.42	<0.0001		
Aromatic TPH >C8-C10	mg/l	0.0001	0.01	3	<0.0001	4.4	1	BH23-04, MG				<0.0001	4.4	<0.0001		
Aromatic TPH >C10-C12	mg/l	0.0001	0.01	3	<0.0001	0.55	1	BH23-04, MG				<0.0001	0.55	<0.0001		
Aromatic TPH >C12-C16	mg/l	0.0001	0.01	3	<0.0001	0.97	1	BH23-04, MG				<0.0001	0.97	<0.0001		
Aromatic TPH >C16-C21	mg/l	0.0001	0.01	3	<0.0001	0.13	1	BH23-04, MG				<0.0001	0.13	<0.0001		
Aromatic TPH >C21-C35	mg/l	0.0001	0.01	3	<0.0001	<0.0001	0					<0.0001	<0.0001	<0.0001		
Total Aromatic Hydrocarbons	mg/l	0.005	No WSV	3	<0.005	6.6	0					<0.005	6.6	<0.005		
Total Petroleum Hydrocarbons	mg/l	0.01	No WSV	3	<0.01	8.5	0					<0.01	8.5	<0.01		

Assessment Criteria :	Drinking Water Standard England and Wales/WHO																
CaCO (mg/l):	0.00		pH	0.00													
Calcium (mg/l):	0.00		DOC (mg/l)	0.00		Catchment area:	Avon/Hants										
									Location		BH12	BH23-03	BH23-04	BH23-05	BH8	BH9
									Sample ID		BH12	BH23-03	BH23-04	BH23-05	BH8	BH9
									Depth		0.4-0.6m	0.3m	1.7m	1.2m	1.9-2.0m	1.9-2.0m
									Date		41387	45040	45041	45040	41403	41404
									Strata		MG	MG	MG	MG	ALV	ALV
Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences		Zone	Onsite/Dry	Onsite/Dry	Onsite/Dry	Onsite/Dry	Onsite/Dry	Onsite/Dry
pH	pH units	<0.01	6.5-9.5	5	6.52	8.7	0				8.43	8.5	8.3	8.7	6.52	-
Electrical Conductivity @25C	uS/cm	<2	No WSV	5	145	250	0				145	160	250	190	248	-
Dissolved Organic Carbon	mg/l	<2	No WSV	2	3	8	0				8				3	-
Thiocyanate	mg/l	<0.02	No WSV	5	0.02	<0.5	0				<0.02	<0.5	<0.5	<0.5	<0.02	-
Sulphide	mg/l	<0.3	No WSV	5	<0.05	<0.3	0				<0.3	<0.05	<0.05	<0.05	<0.3	-
Ammoniacal Nitrogen as NH4	mg/l	<0.03	0.5	5	<0.05	2.4	2	BH23-04, MG; BH23-05, MG			0.15	<0.05	2.4	1.4	0.15	-
Complex Cyanide	mg/l	<0.01	No WSV	5	<0.05	0.15	0				0.15	<0.05	<0.05	<0.05	0.09	-
Total Cyanide	mg/l	<0.005	0.05	5	<0.05	0.15	2	BH12, MG; BH8, ALV			0.15	<0.05	<0.05	<0.05	0.093	-
Free Cyanide	mg/l	<0.005	See Cyanide (total)	5	0.005	<0.05	0				<0.005	<0.05	<0.05	<0.05	<0.005	-
Sulphate	mg/l	<0.05	250	3	26	110	0				-	49	110	26	-	-
Sulphate	mg/l	<0.05	250	3	16.36	93.96	0				16.36				93.96	44.09
Chloride	mg/l	<0.3	250	5	0.7	20	0				4.7	<1	2.8	20	0.7	-
Sulphur	mg/l	<0.01	No WSV	5	6.94	38	0				6.94	16	38	8.7	29.95	-
Total Organic Carbon	mg/l	2	No WSV	3	3.3	27	0					3.3	20	27		
Metals																
Dissolved Arsenic	mg/l	<0.0009	0.01	5	<0.0009	0.08	3	BH12, MG; BH23-04, MG; BH23-05, MG			0.0172	0.0035	0.08	0.014	<0.0009	-
Dissolved Cadmium	mg/l	<0.00003	0.005	5	0.00003	<0.00011	0				<0.00003	<0.00011	<0.00011	<0.00011	<0.00003	-
Dissolved Chromium	mg/l	<0.0002	No WSV	5	<0.0002	0.0013	0				0.0013	<0.0005	<0.0005	<0.0005	<0.0002	-
Dissolved Copper	mg/l	<0.003	2	5	0.00054	0.005	0				0.005	0.0024	0.00054	0.0018	<0.003	-
Dissolved Iron	mg/l	<0.0047	No WSV	5	0.015	9.8	0				0.1327	0.015	0.23	9.8	0.0397	-
Dissolved Lead	mg/l	<0.0004	0.01	5	<0.0004	0.0042	0				0.004	0.00081	0.00058	0.0042	<0.0004	-
Dissolved Nickel	mg/l	<0.0002	0.02	5	<0.0002	0.0079	0				0.0079	0.00079	0.0013	0.0021	<0.0002	-
Dissolved Selenium	mg/l	<0.0012	0.01	5	0.00058	0.0076	0				0.0013	0.00058	0.00065	0.0076	<0.0012	-
Dissolved Zinc	mg/l	<0.0015	3	5	0.002	0.022	0				0.0029	0.02	0.022	0.015	0.002	-
Mercury Dissolved by CVAF	mg/l	<0.00001	No WSV	5	<0.00001	0.00102	0				0.00102	<0.00005	<0.00005	<0.00005	<0.00001	-
PAH MS																
Naphthalene	mg/l	<0.000014	See BaP	5	<0.000014	0.077	0				0.0002	<0.0001	<0.0001	0.077	<0.000014	-
Acenaphthylene	mg/l	<0.000013	See BaP	5	<0.000013	0.00017	0				0.00017	<0.0001	<0.0001	<0.0001	<0.000013	-
Acenaphthene	mg/l	<0.000013	See BaP	5	<0.000013	0.0002	0				0.0002	<0.0001	<0.0001	<0.0001	<0.000013	-
Fluorene	mg/l	<0.000014	See BaP	5	<0.000014	<0.0001	0				0.00007	<0.0001	<0.0001	<0.0001	<0.000014	-
Phenanthrene	mg/l	<0.000011	See BaP	5	<0.000011	0.00032	0				0.00032	<0.0001	<0.0001	<0.0001	<0.000011	-
Anthracene	mg/l	<0.000013	See BaP	5	<0.000013	0.00029	0				0.00029	<0.0001	<0.0001	<0.0001	<0.000013	-
Fluoranthene	mg/l	<0.000012	See BaP	5	<0.000012	0.013	0				0.00261	<0.0001	<0.0001	0.013	<0.000012	-
Pyrene	mg/l	<0.000013	See BaP	5	<0.000013	0.013	0				0.00243	<0.0001	<0.0001	0.013	<0.000013	-
Benzo(a)anthracene	mg/l	<0.000015	See BaP	5	<0.000015	0.00147	0				0.00147	<0.0001	<0.0001	<0.0001	<0.000015	-
Chrysene	mg/l	<0.000011	See BaP	5	<0.000011	0.00131	0				0.00131	<0.0001	<0.0001	<0.0001	<0.000011	-
Benzo(bk)fluoranthene	mg/l	<0.000018	No WSV	2	<0.000018	0.00305	0				0.00305				<0.000018	-
Benzo(a)pyrene	mg/l	<0.000016	0.00001	5	<0.000016	0.00217	1	BH12, MG			0.00217	<0.0001	<0.0001	<0.0001	<0.000016	-
Indeno(123cd)pyrene	mg/l	<0.000011	See PAH Sum of 4	5	<0.000011	0.00142	0				0.00142	<0.0001	<0.0001	<0.0001	<0.000011	-
Dibenzo(ah)anthracene	mg/l	<0.00001	No WSV	5	<0.00001	0.00012	0				0.00012	<0.0001	<0.0001	<0.0001	<0.00001	-
Benzo(ghi)perylene	mg/l	<0.000011	See PAH Sum of 4	5	<0.000011	0.00078	0				0.00078	<0.0001	<0.0001	<0.0001	<0.000011	-
PAH 16 Total	mg/l	<0.000195	No WSV	5	<0.000195	0.1	0				0.01661	<0.002	<0.002	0.1	<0.000195	-
Benzo(b)fluoranthene	mg/l	<0.00001	See PAH Sum of 4	5	<0.00001	0.0022	0				0.0022	<0.0001	<0.0001	<0.0001	<0.00001	-
Benzo(k)fluoranthene	mg/l	<0.00001	See PAH Sum of 4	5	<0.00001	0.00085	0				0.00085	<0.0001	<0.0001	<0.0001	<0.00001	-
PAH Surrogate % Recovery	%	<0	No WSV	2	71	102	0				71				102	-
Methyl Tertiary Butyl Ether	mg/l	<0.001	No WSV	2	0.001	<0.001	0				<0.001				<0.001	-
Benzene	mg/l	<0.001	0.001	5	<0.001	1.9	2	BH23-04, MG; BH23-05, MG			<0.001	<0.001	1.9	0.0083	<0.001	-
Toluene	mg/l	<0.002	0.7	5	<0.001	0.19	0				<0.002	<0.001	0.19	0.002	<0.002	-
Ethylbenzene	mg/l	<0.002	0.3	5	<0.001	0.017	0				<0.002	<0.001	0.017	<0.001	<0.002	-
p/m-Xylene	mg/l	<0.003	No WSV	5	<0.001	0.072	0				<0.003	<0.001	0.072	<0.001	<0.003	-
o-Xylene	mg/l	<0.002	See Xylenes (total)	5	<0.001	0.031	0				<0.002	<0.001	0.031	<0.001	<0.002	-
Surrogate Recovery Toluene D8	%	<0	No WSV	2	78	140	0				140				78	-
Surrogate Recovery 4-Bromofluorobenzene	%	<0	No WSV	2	66	128	0				128				66	-
EPH (C8-C40)	mg/l	<0.01	No WSV	2	0.01	<0.01	0				<0.01				<0.01	-
PCB																
PCB 28	mg/l	0.00001	No WSV	3	<0.00001	<0.00001	0					<0.00001	<0.00001	<0.00001		
PCB 52	mg/l	0.00001	No WSV	3	<0.00001	<0.00001	0					<0.00001	<0.00001	<0.00001		
PCB 90+101	mg/l	0.00001	No WSV	3	<0.00001	<0.00001	0					<0.00001	<0.00001	<0.00001		
PCB 118	mg/l	0.00001	No WSV	3	<0.00001	<0.00001	0					<0.00001	<0.00001	<0.00001		
PCB 153	mg/l	0.00001	No WSV	3	<0.00001	<0.00001	0					<0.00001	<0.00001	<0.00001		
PCB 138	mg/l	0.00001	No WSV	3	<0.00001	<0.00001	0					<0.00001	<0.00001	<0.00001		
PCB 180	mg/l	0.00001	No WSV	3	<0.00001	<0.00001	0					<0.00001	<0.00001	<0.00001		
Total PCBs (7 congeners)	mg/l	0.00001	No WSV	3	<0.00001	<0.00001	0					<0.00001	<0.00001	<0.00001		
Resorcinol	mg/l	<0.0005	No WSV	5	0.0005	<0.005	0				<0.0005	<0.005	<0.005	<0.005	<0.0005	-
Catechol	mg/l	<0.0005	No WSV	2	0.0005	<0.0005	0				<0.0005				<0.0005	-
Phenol	mg/l	<0.0005	0.05	5	<0.0005	0.13	2	BH23-04, MG; BH23-05, MG			<0.0005	<0.005	0.13	0.064	<0.0005	-
m/p-cresol	mg/l	<0.0005	No WSV	2	0.0005	<0.0005	0				<0.0005				<0.0005	-
o-cresol	mg/l	<0.0005	No WSV	2	0.0005	<0.0005	0				<0.0005				<0.0005	-
Total cresols	mg/l	<0.0005	No WSV	5	<0.0005	0.35	0				<0.0005	<0.005	0.35	0.021	<0.0005	-
Xylenols	mg/l	<0.0005	No WSV	5	<0.0005	0.46	0				<0.0005	<0.005	0.46	0.014	<0.0005	-
1-naphthol	mg/l	<0.0005	No WSV	5	0.0005	<0.005	0				<0.0005	<0.005	<0.005	<0.005	<0.0005	-
2,3,5-trimethyl phenol	mg/l	<0.0005	No WSV	2	0.0005	<0.0005	0				<0.0005				<0.0005	-
2-isopropylphenol	mg/l	<0.0005	No WSV	2	0.0005	<0.0005	0				<0.0005				<0.0005	-
Total Speciated Phenols HPLC	mg/l	<0.005	No WSV	5	<0.005	1	0				<0.005	<0.03	1	0.099	<0.005	-
Trimethylphenols	mg/l	0.0050	No WSV	3	<0.005	0.081	0					<0.005	0.081	<0.005		
TPH																
Aliphatic TPH >C5-C6	mg/l	0.0001	15	3	<0.0001	<0.0001	0					<0.0001	<0.0001	<0.0001		
Aliphatic TPH >C6-C8	mg/l	0.0001	15	3	<0.0001	0.14	0					<0.0001	0.14	<0.0001		
Aliphatic TPH >C8-C10	mg/l	0.0001	0.3	3	<0.0001	1.7	1	BH23-04, MG				<0.0001	1.7	<0.0001		
Aliphatic TPH >C10-C12	mg/l	0.0001	0.3	3	<0.0001	0.068	0					<0.0001	0.068	<0.0001		

Assessment Criteria :	Drinking Water Standard England and Wales/WHO																
CaCO (mg/l):	0.00		pH	0.00													
Calcium (mg/l):	0.00		DOC (mg/l)	0.00	Catchment area:		Avon/Hants										
									Location		BH12	BH23-03	BH23-04	BH23-05	BH8	BH9
									Sample ID		BH12	BH23-03	BH23-04	BH23-05	BH8	BH9
									Depth		0.4-0.6m	0.3m	1.7m	1.2m	1.9-2.0m	1.9-2.0m
									Date		41387	45040	45041	45040	41403	41404
									Strata		MG	MG	MG	MG	ALV	ALV
Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences		Zone	Onsite/Dry	Onsite/Dry	Onsite/Dry	Onsite/Dry	Onsite/Dry	Onsite/Dry
Aliphatic TPH >C12-C16	mg/l	0.0001	0.3	3	<0.0001	<0.0001	0					<0.0001	<0.0001	<0.0001		
Aliphatic TPH >C16-C21	mg/l	0.0001	N/A	3	<0.0001	<0.0001	0					<0.0001	<0.0001	<0.0001		
Aliphatic TPH >C21-C35	mg/l	0.0001	N/A	3	<0.0001	<0.0001	0					<0.0001	<0.0001	<0.0001		
Aliphatic TPH >C35-C44	mg/l	0.0001	N/A	3	<0.0001	<0.0001	0					<0.0001	<0.0001	<0.0001		
Total Aliphatic Hydrocarbons	mg/l	0.005	No WSV	3	<0.005	1.9	0					<0.005	1.9	<0.005		
Aromatic TPH >C5-C7	mg/l	0.0001	0.01	3	<0.0001	0.13	1	BH23-04, MG				<0.0001	0.13	<0.0001		
Aromatic TPH >C7-C8	mg/l	0.0001	0.7	3	<0.0001	0.42	0					<0.0001	0.42	<0.0001		
Aromatic TPH >C8-C10	mg/l	0.0001	0.3	3	<0.0001	4.4	1	BH23-04, MG				<0.0001	4.4	<0.0001		
Aromatic TPH >C10-C12	mg/l	0.0001	0.09	3	<0.0001	0.55	1	BH23-04, MG				<0.0001	0.55	<0.0001		
Aromatic TPH >C12-C16	mg/l	0.0001	0.09	3	<0.0001	0.97	1	BH23-04, MG				<0.0001	0.97	<0.0001		
Aromatic TPH >C16-C21	mg/l	0.0001	0.09	3	<0.0001	0.13	1	BH23-04, MG				<0.0001	0.13	<0.0001		
Aromatic TPH >C21-C35	mg/l	0.0001	0.09	3	<0.0001	<0.0001	0					<0.0001	<0.0001	<0.0001		
Total Aromatic Hydrocarbons	mg/l	0.005	No WSV	3	<0.005	6.6	0					<0.005	6.6	<0.005		
Total Petroleum Hydrocarbons	mg/l	0.01	No WSV	3	<0.01	8.5	0					<0.01	8.5	<0.01		

Assessment Criteria : *Manual SSAC*

CaCO (mg/l): 150.00 **pH** 0.00

Calcium (mg/l): 0.00 **DOC (mg/l)** 0.00 **Catchment area:** Thames

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	Strata	Zone	Location	Sample ID	Depth	Date	Strata	BH11	BH11	BH11	BH11	BH12	BH12	BH12	BH12	BH12	BH12-01	BH12-02D	BH12-02D	BH12-03	BH12-04	BH12-04	BH12-04	BH12-04	BH12-04	BH12-05	BH12-05	BH12-05	BH12-05	BH12-05	BH12-06	BH12-06	BH12-06	BH12-06	BH23-03	BH23-04	BH23-04	BH23-04	BH23-05	WS12-01	WS12-01
																BH11	BH11	BH11	BH11	BH12	BH12	BH12	BH12	BH12	BH12-01	BH12-02D	BH12-02D	BH12-03	BH12-04	BH12-04	BH12-04	BH12-04	BH12-04	BH12-05	BH12-05	BH12-05	BH12-05	BH12-05	BH12-06	BH12-06	BH12-06	BH12-06	BH23-03	BH23-04	BH23-04	BH23-04	BH23-05	WS12-01	WS12-01
																		4.0m	4.00m			6.00m	6.00m	6m	3m				5.0m	5m	5m			5.00m	6m	6m			5.50m	5.50m			0.8m	3.0m	4.00m	4m		2.50m	2m
																20/05/2013	28/05/2013	10/05/2023	07/06/2023	20/05/2013	28/05/2013	11/05/2023	07/06/2023	06/07/2023	08/06/2023	14/02/2013	27/02/2013	14/02/2013	10/05/2023	08/06/2023	06/07/2023	14/02/2013	27/02/2013	11/05/2023	08/06/2023	06/07/2023	14/02/2013	28/02/2013	07/06/2023	04/07/2023	14/02/2013	28/02/2013	10/05/2023	10/05/2023	07/06/2023	06/07/2023	10/05/2023	11/05/2023	06/07/2023
																RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	MG/RTD	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	MG	MG	MG	MG	MG	MG/ALV	MG/ALV
pH	pH units	<0.01	6-9	24	2.46	7.55	0									7.33	7.26			6.93	7.17					5.93	6.86	6.69				7.22	7.16				7.02	7.55			6.94	7.08							
Electrical Conductivity (at 25C)	uS.cm-1	<2	No WSV	54	388	19608	0									2921	2790	1500	970	2905	388	4200	3800	3800		1051	2142	2704	2200	2200	2100	3077	3144	1900	2000	2000	2662	2753	1600	1600	2047	2061	3800	2000	4000	3900	1300	2500	2600
Total Suspended Solids	mg.l-1	<10	N/A	54	<5	2300	1	BH12-03 , ALV/RTD/LC								46	50	37	<5	38	111	57	72	190		11	76	NDP	49	62	18	51	56	160	63	50	34	21	29	19	1135	38	1000	240	430	250	2300	15	87
Dissolved Organic Carbon	mg.l-1	<2	No WSV	24	11	677	0									52	41			82	24					124	170	143				50	200				17	32			13	16							
Thiocyanate	mg.l-1	<0.02	No WSV	54	<0.02	32.74	0									0.06	0.12	<0.5	<0.5	0.45	<0.02	<0.5	<0.5	<0.5		0.03	0.06	0.62	<0.5	<0.5	<0.5	0.19	0.19	<0.5	<0.5	<0.5	0.08	<0.02	<0.5	<0.5	<0.02	<0.02	<0.5	13	<0.5	12	1.7	8.9	9.3
Sulphide	mg.l-1	<0.3	No WSV	55	<0.05	<0.3	0									<0.3	<0.3	<0.05	<0.05	<0.3	<0.3	<0.05	<0.05	<0.05	U/S	<0.3	<0.3	<0.3	<0.05	<0.05	<0.05	<0.3	<0.3	<0.05	<0.05	<0.05	<0.3	<0.3	<0.05	<0.05	<0.3	<0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ammoniacal Nitrogen as NH4	mg.l-1	<0.03	0.26	54	0.054	110	52	BH11, RTD; BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH12-03 , ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; BH12-06, ALV/RTD/LC; BH12-06, ALV/RTD/LC; BH12-06 , ALV/RTD/LC; BH12-06 , ALV/RTD/LC; BH23-03, MG; BH23-04, MG; BH23-04, MG; BH23-04, MG; BH23-04, MG; BH23-05, MG; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-03, MG; WS12-03, MG; WS12-03, MG; WS12-03 , MG; WS12-03 , MG; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08, MG/ALV; WS12-08 , MG/ALV								38.03	53.99	31	0.16	31.94	0.68	18	25	33		2.04	17.19	86.9	20	23	27	34.53	41.27	5.6	6.3	7.6	24.51	24.67	5.5	5.4	7.63	7.21	1.5	92	1.4	110	0.59	45	64
Complex Cyanide	mg.l-1	<0.01	No WSV	54	0.01	1.99	0									0.1	0.19	<0.05	<0.05	0.28	0.01	0.4	<0.05	0.34		0.02	0.05	0.23	<0.05	0.06	0.12	0.16	0.13	0.12	0.07	0.1	0.1	0.1	<0.05	<0.05	0.13	0.09	0.15	0.97	<0.05	0.9	1.3	0.53	0.57
Total Cyanide	mg.l-1	<0.005	N/A	54	0.01	1.989	0									0.096	0.186	<0.05	<0.05	0.283	0.01	0.4	<0.05	0.34		0.02	0.059	0.227	<0.05	0.06	0.12	0.163	0.132	0.12	0.07	0.1	0.103	0.097	<0.05	<0.05	0.129	0.177	0.15	0.97	<0.05	0.9	1.3	0.53	0.57
Free Cyanide	mg.l-1	<0.005	0.001	54	0.005	0.088	6	BH12-02D, ALV/RTD/LC; BH12-06 , ALV/RTD/LC; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02 , MG/ALV; WS12-07 , MG/ALV								<0.005	<0.005	<0.05	<0.05	<0.005	<0.005	<0.05	<0.05	<0.05		<0.005	0.005	<0.005	<0.05	<0.05	<0.05	<0.005	<0.005	<0.05	<0.05	<0.05	<0.005	<0.005	<0.05	<0.05	<0.005	0.088	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chloride	mg.l-1	<0.3	250	54	19	4126	21	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-03, MG; WS12-03, MG; WS12-03, MG; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08 , MG/ALV								348.7	302.3	77	78	273.6	25.1	1000	860	820		201.7	364.3	160	160	160	150	347.6	333.5	220	200	210	267.3	276.5	180	190	172.6	156.9	21	62	61	62	21	280	260
Sulphate	mg.l-1	<0.05	400	54	<1	6958.93	18	BH12-03 , ALV/RTD/LC; BH23-03, MG; BH23-04, MG; BH23-04, MG; BH23-04, MG; BH23-05, MG; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-03, MG; WS12-03, MG; WS12-03, MG; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08, MG/ALV								319.15	321.26	99	260	371.26	27.24	310	280	250		21.65	33.24	495.16	<1	<1	17	101.98	81.81	380	400	380	302.7	309.99	320	290	304.36	279.74	830	2300	2400	2200	1300	530	400
Total Hardness Dissolved (as CaCO3)	mg.l-1	<1	No WSV	21	176	1909	0																			176	544	1090				1374	1372				1262	1295			924	973							
Total Dissolved Sulphur	mg.l-1	<0.01	No WSV	54	<1	2275	0									116.9	82.39	33	87	138.8	8.04	100	93	83		8.03	10.22	205.4	<1	<1	5.7	35.05	35.78	130	130	130	84.37	52.31	110	97	92.63	45.5	280	760	800	730	430	180	130
Chemical Oxygen Demand	mg O2/l	10	No WSV	8	25	1500	0																	80						93					25						1500						280
Total Organic Carbon	mg.l-1	2.0	No WSV	49	4.9	500	0											53	4.9			84	30	61		53	22	130	130	30	140	30	9.7	13	13	11	84	13	11	18	68	240	9.7	460	500		30	130	100
Metals																																																
Dissolved Arsenic	mg.l-1	<0.0009	0.05	54	0.0003	0.5802	9	BH23-04, MG; BH23-04, MG; BH23-04, MG; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV								0.0144	<0.0009	0.0032	0.0052	0.0181	<0.0009	0.0015	0.0027	0.002		0.0061	<0.0009	0.0081	0.0011	0.00065	0.00096	<0.0009	0.0041	0.00041	0.0003	0.00052	<0.0009	0.0134	0.00066	0.00039	<0.0009	<0.0009	0.0063	0.093	0.22	0.083	0.004	0.33	0.36
Dissolved Cadmium	mg.l-1	<0.00003	0.00015	54	0.00003	0.2311	7	BH11, RTD; BH12, RTD; WS12-01 , MG/ALV; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV								0.00004	0.00023	<0.00011	0.00012	<0.00003	0.00058	<0.00011	<0.00011	<0.00011		0.00003	<0.00003	0.00006	<0.00011	<0.00011	<0.00011	<0.00003	0.00006	<0.00011	<0.00011	<0.00011	<0.00003	<0.00003	<0.00011	<0.00011	<0.00003	<0.00003	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011
Total Dissolved Chromium	mg.l-1	<0.0002	See Cr VI as first pass	54	<0.0002	0.5326	0									0.0049	0.0005	0.00058	<0.0005	0.0005	0.0014	0.00095	0.00099	0.00079		0.002	<0.0002	0.0011	0.0016	0.0011	0.0014	<0.0002	0.0006	0.00055	<0.0005	<0.0005	0.0007	0.0011	0.00058	<0.0005	<0.0002	<0.0002	<0.0005	0.0067	0.012	0.0053	<0.0005	0.0016	0.0017
Dissolved Copper	mg.l-1	<0.003	0.03449	54	<0.0005	0.248	2	WS12-07 , MG/ALV; WS12-07 , MG/ALV								<0.003	<0.003	<0.0005	0.011	<0.003	0.013	0.00051	<0.0005	<0.0005		0.007	<0.003	<0.003	<0.0005	<0.0005	<0.0005	<0.003	<0.003	0.0039	0.0015	0.00075	<0.003	<0.003	<0.0005	0.00063	<0.003	<0.003	0.002	<0.0005	<0.0005	<0.0005	0.00096	<0.0005	<0.0005
Total Dissolved Iron	mg.l-1	<0.0047	No WSV	54	0.0067	1131	0									0.1696	0.1758	0.074	0.0067	0.3146	0.6821	0.22	0.26	0.24		0.9654	0.4565	0.7742	0.071	0.065	0.15	0.0979	0.2301	0.059	0.07	0.14	0.0621	0.0427	0.059	0.063	9.005	0.1255	0.08	36	160	12	0.63	0.4	0.49
Dissolved Lead	mg.l-1	<0.0004	0.00888	54	<0.0004	0.3251	11	BH11, RTD; BH11, RTD; BH12, RTD; WS12-02 , MG/ALV; WS12-03 , MG; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV								0.0103	0.0079	<0.0005	0.013	0.022	0.0045	<0.0005	<0.0005	<0.0005		0.0032	0.0069	0.0053	<0.0005	<0.0005	<0.0005	0.0019	0.0034	<0.0005	<0.0005	<0.0005	0.0017	0.0038	<0.0005	<0.0005	<0.0004	0.0085	0.00094	<0.0005	<0.0005	<0.0005	0.0082	<0.0005	<0.0005
Dissolved Nickel	mg.l-1	<0.0002	0.01998	54	0.0012	0.66	12	BH11, RTD; BH11, RTD; BH12-03 , ALV/RTD/LC; BH23-04, MG; BH23-04, MG; BH23-04, MG; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08, MG/ALV								0.0308	0.0254	0.012	0.0033	0.0193	0.0094	0.0034	0.0036	0.0036		0.0085	0.0095	0.0334	0.0078	0.0078	0.0073	0.0075	0.0102	0.0087	0.0086	0.0072	0.003	0.0036	0.0037	0.0036	0.002	0.0012	0.0047	0.042	0.039	0.042	0.0069	0.0061	0.0064
Dissolved Selenium	mg.l-1	<0.0012	N/A	54	<0.0005	0.027	0									<0.0012	<0.0012	0.0013	0.0023	<0.0012	<0.0012	0.0017	0.0021	0.0023		<0.0012	<0.0012	<0.0012	0.0013	0.00056	0.0022	<0.0012	<0.0012	0.00074	<0.0005	0.0012	<0.0012	<0.0012	0.0016	0.00097	<0.0012	<0.0012	0.0029	0.013	0.022	0.027	0.0043	0.001	0.00075
Dissolved Zinc	mg.l-1	<0.0015	0.03511	54	<0.0015	7.589	11	BH11, RTD; BH11, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08, MG/ALV								0.0048	0.0413	0.02	0.074	0.0078	0.1421	0.0029	0.0054	<0.0025		0.1357	<0.0015	0.0126	0.0052	<0.0025	0.0033	<0.0015	<0.0015	0.028	0.011	0.0058	<0.0015	0.0026	0.0054	<0.0025	<0.0015	<0.0015	0.013	0.017	0.025	0.0094	0.01	<0.0025	0.0036
Mercury Dissolved by CVAF	mg.l-1	<0.01	No WSV	54	0.00001	20.57	0									0.00001	0.00012	<0.00005	<0.00005	0.00003	0.00006	<0.00005	<0.00005	<0.00005		0.05	0.04	0.2	<0.00005	<0.00005	<0.00005	0.05	0.07	<0.00005	<0.00005	<0.00005	<0.01	<0.01	<0.00005	<0.00005	**<0.01**	0.01	<0.00005	<0.00005	<0.00005	0.00005	<0.00005	<0.00005	<0.00005
Potassium (Dissolved)	mg.l-1	0.50	No WSV	8	5.6	55	0																	32						18					15									32			46
Magnesium (Dissolved)	mg.l-1	0.20	N/A	8	3.4	81	0																	72						30					24									81			23
Sodium (Dissolved)	mg.l-1	1.50	No WSV	8	18	380	0																	380						120					130									72			180
Cobalt (Dissolved)	mg.l-1	0.0005	No WSV	8	0.00052	0.025	0																	0.0011						0.00068					0.00052									0.025			0.0024
Molybdenum (Dissolved)	mg.l-1	0.0002	No WSV	8	0.0005	0.0016	0																	0.0016						0.0006					0.0006									0.00063			0.00094
Vanadium (Dissolved)	mg.l-1	0.0005	No WSV	8	<0.0005	0.02	0																	0.02						0.011					0.00092									0.0032			0.0041
Calcium (Dissolved)	mg.l-1	2.00	N/A	8	88	780	0																	410						380					310									780			300
PAH MS																																															
Naphthalene	mg.l-1	<0.00001 4	0.002	55	<0.00001 4	98	42	BH11, RTD; BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12-01, MG/RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH12-03 , ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-06, ALV/RTD/LC; BH12-06 , ALV/RTD/LC; BH23-04, MG; BH23-04, MG; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-03 , MG; WS12-03 , MG; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08 , MG/ALV								11.01729	1.04926	0.31	<0.0001	0.90838	0.3805	<0.0001	0.038	0.047	98	0.34992	2.37346	30.25784	0.0071	0.2	0.021	0.016	0.03118	<0.0001	<0.0001	<0.0001	0.00063	<0.000014	0.0028	<0.0001	0.05523	0.01189	<0.0001	0.034	0.2	0.047		0.13	0.66
Acenaphthylene	mg.l-1	<0.00001 3	Screen BaP only	55	<0.0001	19	0									0.6081	0.00455	0.0069	<0.0001	0.08711	0.04757	<0.0001	0.0035	0.0023	19	0.02296	0.1027	1.16245	<0.0001	<0.0001	0.00038	0.01348	0.01488	<0.0001	<0.0001	0.0031	0.01868	0.00023	<0.0001	<0.0001	0.00274	0.00188	<0.0001	<0.0001	0.0066	0.0014		0.0071	0.079
Acenaphthene	mg.l-1	<0.00001 3	Screen BaP only	55	<0.0001	2.6	0									0.0812	0.01458	0.002	<0.0001	0.01923	0.01186	<0.0001	0.015	<0.0001	2.6	0.00305	0.01172	0.07504	0.016	0.22	0.021	0.11812	0.12842	<0.0001	<0.0001	<0.0001	0.10055	0.00096	<0.0001	<0.0001	0.00483	0.00585	<0.0001	<0.0001	0.012	0.0027		0.00079	0.014
Fluorene	mg.l-1	<0.00001 4	N/A	55	<0.00001 4	7.2	0									0.22274	0.0076	0.001	<0.0001	0.0126	0.00503	<0.0001	<0.0001	0.00046	7.2	0.00487	0.01573	0.30102	<0.0001	0.0042	0.00054	0.0026	0.00272	<0.0001	<0.0001	<0.0001	0.00092	<0.000014	<0.0001	<0.0001	0.00261	0.0007	<0.0001	<0.0001	0.0035	0.00059		0.00064	0.026
Phenanthrene	mg.l-1	<0.00001 1	Screen BaP only	55	<0.00001 1	19	0									0.50951	0.01709	0.00089	<0.0001	0.01731	0.00453	<0.0001	0.0011	<0.0001	19	0.00738	0.0164	0.55703	<0.0001	0.0064	0.00092	0.00618	0.00439	<0.0001	<0.0001	<0.0001	0.00022	<0.000011	<0.0001	<0.0001	0.00416	0.00113	<0.0001	0.0025	0.014	0.0017		<0.0001	0.044

Assessment Criteria :	Manual SSAC
CaCO (mg/l):	150.00
Calcium (mg/l):	0.00
pH	0.00
DOC (mg/l)	0.00
Catchment area:	Thames

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences		Zone	Location	BH11	BH11	BH11	BH11	BH12	BH12	BH12	BH12	BH12	BH12-01	BH12-02D	BH12-02D	BH12-03	BH12-04	BH12-04	BH12-04	BH12-04	BH12-04	BH12-05	BH12-05	BH12-05	BH12-05	BH12-05	BH12-06	BH12-06	BH12-06	BH12-06	BH23-03	BH23-04	BH23-04	BH23-04	BH23-05	WS12-01	WS12-01
											Sample ID	BH11	BH11	BH11	BH11	BH12	BH12	BH12	BH12	BH12	BH12-01	BH12-02D	BH12-02D	BH12-03	BH12-04	BH12-04	BH12-04	BH12-04	BH12-04	BH12-05	BH12-05	BH12-05	BH12-05	BH12-05	BH12-06	BH12-06	BH12-06	BH12-06	BH23-03	BH23-04	BH23-04	BH23-04	BH23-05	WS12-01	WS12-01
											Depth			4.0m	4.00m			6.00m	6.00m	6m	3m				5.0m	5m	5m			5.00m	6m	6m			5.50m	5.5m			0.8m	3.0m	4.00m	4m		2.50m	2m
											Date	20/05/2013	28/05/2013	10/05/2023	07/06/2023	20/05/2013	28/05/2013	11/05/2023	07/06/2023	06/07/2023	08/06/2023	14/02/2013	27/02/2013	14/02/2013	10/05/2023	08/06/2023	06/07/2023	14/02/2013	27/02/2013	11/05/2023	08/06/2023	06/07/2023	14/02/2013	28/02/2013	07/06/2023	04/07/2023	14/02/2013	28/02/2013	10/05/2023	10/05/2023	07/06/2023	06/07/2023	10/05/2023	11/05/2023	06/07/2023
											Strata	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	MG/RTD	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	MG	MG	MG	MG	MG	MG/ALV	MG/ALV
Anthracene	mg.l-1	<0.000013	0.0001	55	<0.00001 3	5.5	30	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12-01, MG/RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH12-03 , ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; BH12-06 , ALV/RTD/LC; BH12-06 , ALV/RTD/LC; BH23-04, MG; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02 , MG/ALV; WS12-03 , MG; WS12-03 , MG; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08 , MG/ALV			0.14432	0.00289	<0.0001	<0.0001	0.00145	0.00046	<0.0001	<0.0001	<0.0001	5.5	0.0017	0.00331	0.16777	<0.0001	0.0039	0.00069	0.00242	0.0017	<0.0001	<0.0001	<0.0001	0.00057	<0.000013	<0.0001	<0.0001	0.00076	0.00024	<0.0001	<0.0001	0.002	<0.0001		<0.0001	0.0099
Fluoranthene	mg.l-1	<0.000012	0.0000063	55	<0.00001 2	4.9	28	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12-01, MG/RTD; BH12-02D, ALV/RTD/LC; BH12-03 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; BH12-06 , ALV/RTD/LC; BH12-06 , ALV/RTD/LC; BH23-04, MG; BH23-04, MG; BH23-04, MG; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02 , MG/ALV; WS12-03, MG; WS12-03 , MG; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-08 , MG/ALV			0.1278	0.00301	<0.0001	<0.0001	0.00042	0.00005	<0.0001	<0.0001	<0.0001	4.9	<0.0012	0.00099	0.1292	<0.0001	<0.0001	<0.0001	0.00151	0.00079	<0.0001	<0.0001	<0.0001	0.00022	<0.000012	<0.0001	<0.0001	0.00049	0.00015	<0.0001	0.0019	0.0079	0.00065		<0.0001	0.0087
Pyrene	mg.l-1	<0.000013	N/A	55	<0.00001 3	6.9	0					0.17551	0.00332	<0.0001	<0.0001	0.00044	0.00007	<0.0001	<0.0001	<0.0001	6.9	<0.0013	0.00101	0.19125	<0.0001	<0.0001	<0.0001	0.00104	0.00063	<0.0001	<0.0001	<0.0001	0.00016	<0.000013	<0.0001	<0.0001	0.00047	0.00047	<0.0001	0.0017	0.0087	0.00062		<0.0001	0.011
Benzo(a)anthracene	mg.l-1	<0.000015	Screen BaP only	55	<0.00001 5	1.9	0					0.10309	0.00116	<0.0001	<0.0001	0.00003	<0.000015	<0.0001	<0.0001	<0.0001	1.9	<0.0015	<0.0003	0.05666	<0.0001	<0.0001	<0.0001	0.00008	<0.0003	<0.0001	<0.0001	<0.0001	<0.000015	<0.000015	<0.0001	<0.0001	0.00007	0.00002	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	0.0017
Chrysene	mg.l-1	<0.000011	Screen BaP only	55	<0.00001 1	1.2	0					0.08699	0.001	<0.0001	<0.0001	0.00002	<0.000011	<0.0001	<0.0001	<0.0001	1.2	<0.0011	<0.00022	0.06764	<0.0001	<0.0001	<0.0001	0.00006	<0.00022	<0.0001	<0.0001	<0.0001	<0.000011	<0.000011	<0.0001	<0.0001	0.00006	0.00002	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	0.0014
Benzo(bk)fluoranthene	mg.l-1	<0.000018	No WSV	24	<0.00001 8	0.06869	0					0.06869	0.00103			<0.000018	<0.000018					<0.0018	<0.00036	0.04878				0.00004	<0.00036				<0.000018	<0.000018			0.00002	<0.000018							
Benzo(a)pyrene	mg.l-1	<0.000016	0.00000017	55	<0.00001 6	0.06516	4	BH11, RTD; BH11, RTD; BH12-03 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC				0.06516	0.00071	<0.0001	<0.0001	<0.000016	<0.000016	<0.0001	<0.0001	<0.0001	<0.0001	<0.0016	<0.00032	0.0374	<0.0001	<0.0001	<0.0001	0.00003	<0.00032	<0.0001	<0.0001	<0.0001	<0.000016	<0.000016	<0.0001	<0.0001	<0.000016	<0.000016	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001
Indeno(123cd)pyrene	mg.l-1	<0.000011	Screen BaP only	55	<0.00001 1	0.03136	0					0.03136	0.0005	<0.0001	<0.0001	<0.000011	<0.000011	<0.0001	<0.0001	<0.0001	<0.0001	<0.0011	<0.00022	0.01229	<0.0001	<0.0001	<0.0001	<0.000011	<0.00022	<0.0001	<0.0001	<0.0001	<0.000011	<0.000011	<0.0001	<0.0001	<0.000011	<0.000011	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001
Dibenzo(ah)anthracene	mg.l-1	<0.000011	No WSV	55	<0.00001 1	0.046	0					0.00768	0.00011	<0.0001	<0.0001	<0.000011	<0.000011	<0.0001	<0.0001	<0.0001	0.046	<0.001	<0.0002	0.0064	<0.0001	<0.0001	<0.0001	<0.00001	<0.0002	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.0001	<0.0001	<0.00001	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001
Benzo(ghi)perylene	mg.l-1	<0.000011	Screen BaP only	55	<0.00001 1	0.02051	0					0.02051	0.00034	<0.0001	<0.0001	<0.000011	<0.000011	<0.0001	<0.0001	<0.0001	<0.0001	<0.0011	<0.00022	0.01667	<0.0001	<0.0001	<0.0001	<0.000011	<0.00022	<0.0001	<0.0001	<0.0001	<0.000011	<0.000011	<0.0001	<0.0001	<0.000011	<0.000011	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001
PAH 16 Total	mg.l-1	<0.000195	No WSV	55	0.00119	170	0					13.26995	1.10715	0.32	<0.002	1.04699	0.45007	<0.002	0.058	0.05	170	0.38988	2.52532	33.08744	0.023	0.43	0.045	0.16156	0.18471	<0.002	<0.002	0.0031	0.12195	0.00119	0.0028	<0.002	0.07144	0.02235	<0.002	0.04	0.25	0.055		0.13	0.86
Benzo(b)fluoranthene	mg.l-1	<0.000001	Screen BaP only	55	0.00001	0.04946	0					0.04946	0.00074	<0.0001	<0.0001	<0.000001	<0.000001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0002	0.03512	<0.0001	<0.0001	<0.0001	0.00003	<0.0002	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.0001	<0.0001	0.00001	<0.000001	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001
Benzo(k)fluoranthene	mg.l-1	<0.000001	Screen BaP only	55	0.00001	0.01923	0					0.01923	0.00029	<0.0001	<0.0001	<0.000001	<0.000001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0002	0.01366	<0.0001	<0.0001	<0.0001	0.00001	<0.0002	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.0001	<0.0001	<0.000001	<0.000001	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001
PAH Surrogate % Recovery	mg.l-1	<0	No WSV	4	106	128	0					128	125			120	106																													
VOC MS																																														
Dichlorodifluoromethane	mg.l-1	<0.002	No WSV	23	0.002	<0.002	0					<0.002	<0.002			<0.002	<0.002					<0.002	<0.002	-				<0.002	<0.002				<0.002	<0.002			<0.002	<0.002							
Chloromethane	mg.l-1	<0.003	No WSV	23	<0.003	0.012	0					<0.003	<0.003			<0.003	<0.003					<0.003	<0.003	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003							
Vinyl Chloride	mg.l-1	<0.002	N/A	23	0.0001	<0.002	0					<0.0001	<0.0001			<0.0001	<0.0001					<0.002	<0.0001	-				<0.002	<0.0001				<0.002	<0.0001			<0.002	<0.0001							
Bromomethane	mg.l-1	<0.001	No WSV	23	0.001	<0.001	0					<0.001	<0.001			<0.001	<0.001					<0.001	<0.001	-				<0.001	<0.001				<0.001	<0.001			<0.001	<0.001							
Chloroethane	mg.l-1	<0.003	No WSV	23	<0.003	0.018	0					<0.003	<0.003			<0.003	<0.003					<0.003	<0.003	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003							
Trichlorofluoromethane	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0					<0.003	<0.003			<0.003	<0.003					<0.003	<0.003	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003							
1,1-Dichloroethene (1,1 DCE)	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0					<0.003	<0.003			<0.003	<0.003					<0.003	<0.003	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003							
Dichloromethane (DCM)	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0					<0.003	<0.003			<0.003	<0.003					<0.003	<0.003	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003							
trans-1-2-Dichloroethene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0					<0.003	<0.003			<0.003	<0.003					<0.003	<0.003	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003							
1,1-Dichloroethane	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0					<0.003	<0.003			<0.003	<0.003					<0.003	<0.003	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003							
cis-1-2-Dichloroethene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0					<0.003	<0.003			<0.003	<0.003					<0.003	<0.003	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003							
Bromochloromethane	mg.l-1	<0.002	No WSV	23	0.002	<0.002	0					<0.002	<0.002			<0.002	<0.002					<0.002	<0.002	-				<0.002	<0.002				<0.002	<0.002			<0.002	<0.002							
Chloroform	mg.l-1	<0.002	0.0025	23	0.002	<0.002	0					<0.002	<0.002			<0.002	<0.002					<0.002	<0.002	-				<0.002	<0.002				<0.002	<0.002			<0.002	<0.002							
1,1,1-Trichloroethane	mg.l-1	<0.002	0.1	23	0.002	<0.002	0					<0.002	<0.002			<0.002	<0.002					<0.002	<0.002	-				<0.002	<0.002				<0.002	<0.002			<0.002	<0.002							
1,1-Dichloropropene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0					<0.003	<0.003			<0.003	<0.003					<0.003	<0.003	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003							
Carbon tetrachloride	mg.l-1	<0.002	0.012	23	0.002	<0.002	0					<0.002	<0.002			<0.002	<0.002					<0.002	<0.002	-				<0.002	<0.002				<0.002	<0.002			<0.002	<0.002							
1,2-Dichloroethane	mg.l-1	<0.002	0.01	23	0.002	<0.002	0					<0.002	<0.002			<0.002	<0.002					<0.002	<0.002	-				<0.002	<0.002				<0.002	<0.002			<0.002	<0.002							
Benzene	mg.l-1	<0.001	0.01	55	<0.001	178.672	36	BH11, RTD; BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12-01, MG/RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; BH23-04, MG; BH23-04, MG; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-03 , MG; WS12-03 , MG; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08 , MG/ALV			68.2	6.2043	5.6	<0.001	18.8443	4.9479	<0.001	5	<0.001	110	3.084	27.537	-	<0.001	<0.001	7.1	25.656	12.353	0.0031	<0.001	0.0031	4.521	<0.001	0.0077	<0.001	<0.001	<0.001	0.004	32	55	67	0.0023	26	12
Trichloroethene (TCE)	mg.l-1	<0.003	No WSV	23	<0.003	0.009	0					<0.003	<0.003			<0.003	<0.003					<0.003	<0.003	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003							
1,2-Dichloropropane	mg.l-1	<0.002	N/A	23	<0.002	0.058	0					0.058	<0.002			<0.002	<0.002					<0.002	<0.002	-				<0.002	<0.002				<0.002	<0.002			<0.002	<0.002							
Dibromomethane	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0					<0.003	<0.003			<0.003	<0.003					<0.003	<0.003	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003							
Bromodichloromethane	mg.l-1	<0.002	N/A	23	0.002	<0.002	0					<0.002	<0.002			<0.002	<0.002					<0.002	<0.002	-				<0.002	<0.002				<0.002	<0.002			<0.002	<0.002							
cis-1-3-Dichloropropene	mg.l-1	<0.002	No WSV	23	0.002	<0.002	0					<0.002	<0.002			<0.002	<0.002					<0.002	<0.002	-				<0.002	<0.002				<0.002	<0.002			<0.002	<0.002							
Toluene	mg.l-1	<0.002	0.074	55	0.001	28.928	29	BH11, RTD; BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12-01, MG/RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH23-04, MG; BH23-04, MG; BH23-04, MG; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08 , MG/ALV			14.25	1.6412	0.56	<0.001	5.107	0.764	<0.001	0.054	0.015	16	0.913	4.419	-	0.02	0.0041	0.043	0.069	0.04	<0.001	<0.001	<0.001	0.011	<0.002	<0.001	<0.001	<0.002	<0.002	<0.001	7.1	3	1	0.0011	0.94	0.76
trans-1-3-Dichloropropene	mg.l-1	<0.002	No WSV	23	0.002	<0.002	0					<0.002	<0.002			<0.002	<0.002					<0.002	<0.002	-				<0.002	<0.002				<0.002	<0.002			<0.002	<0.002							
1,1,2-Trichloroethane	mg.l-1	<0.002	0.4	23	<0.002	0.082	0					<0.002	<0.002			0.082	<0.002					<0.002	<0.002	-				<0.002	<0.002				<0.002	<0.002			<0.002	<0.002							
Tetrachloroethene (PCE)	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0					<0.003	<0.003			<0.003	<0.003					<0.003	<0.003	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003							
1,3-Dichloropropane	mg.l-1	<0.002	No WSV	23	0.002	<0.002	0					<0.002	<0.002			<0.002	<0.002					<0.002	<0.002	-				<0.002	<0.002				<0.002	<0.002			<0.002	<0.002							
Dibromochloromethane	mg.l-1	<0.002	N/A	23	0.002	<0.002	0					<0.002	<0.002			<0.002	<0.002					<0.002	<0.002	-				<0.002	<0.002				<0.002	<0.002			<0.002	<0.002							
1,2-Dibromoethane	mg.l-1	<0.002	N/A	23	0.002	<0.002	0					<0.002	<0.002			<0.002	<0.002					<0.002	<0.002	-				<0.002	<0.002				<0.002	<0.002			<0.002	<0.002							
Chlorobenzene	mg.l-1	<0.002	N/A	23	<0.002	0.15	0					<0.002	<0.002			<0.002	0.15					<0.002	<0.002	-				<0.002	<0.002				<0.002	<0.002			<0.002	<0.002							
1,1,1,2-Tetrachloroethane	mg.l-1	<0.002	No WSV	23	0.002	<0.002	0					<0.002	<0.002			<0.002	<0.002					<0.002	<0.002	-				<0.002	<0.002				<0.002	<0.002			<0.002	<0.002							
Ethylbenzene	mg.l-1	<0.002	0.02	55	<0.001	4.5	31	BH11, RTD; BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12-01, MG/RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; BH23-04, MG; BH23-04, MG; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV			0.75	0.1871	0.61	<0.001	3.9405	0.3252	<0.001	0.085	<0.001	4.5	0.066	0.294	-	<0.001	<0.001	<0.001	0.492	0.356	<0.001	<0.001	<0.001	0.036	<0.002	<0.001	<0.001	<0.002	<0.002	<0.001	0.055	0.074	0.08	<0.001	0.22	0.17
p/m-Xylene	mg.l-1	<0.003	No WSV	55	<0.001	21	0					4.604	1.665	0.14	<0.001	4.956	0.527	<0.001	0.041	0.011	21	0.248	0.64	-	0.033	0.016	<0.001	0.021	0.021	<0.001	<0.001	<0.001	<0.003	<0.003	<0.001	<0.001	0.01	0.009	<0.001	0.18	0.2	0.14	<0.001	0.29	0.23
o-Xylene	mg.l-1	<0.002	See Xylenes (total)	55	0.001	12	0					1.326	0.8876	0.09	<0.001	2.5022	0.3304	<0.001	0.052	0.019	12	0.113	0.427	-	0.075	0.035	<0.001	0.025	0.022	<0.001	<0.001	<0.001	0.004	<0.002	<0.001	<0.001	<0.002	<0.002	<0.001	0.083	0.1	0.056	0.001	0.34	0.35

Assessment Criteria :	Manual SSAC
CaCO (mg/l):	150.00
pH	0.00
Calcium (mg/l):	0.00
DOC (mg/l)	0.00
Catchment area:	Thames

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	Strata	Zone	Location	BH11	BH11	BH11	BH11	BH12	BH12	BH12	BH12	BH12	BH12-01	BH12-02D	BH12-02D	BH12-03	BH12-04	BH12-04	BH12-04	BH12-04	BH12-04	BH12-05	BH12-05	BH12-05	BH12-05	BH12-05	BH12-06	BH12-06	BH12-06	BH12-06	BH23-03	BH23-04	BH23-04	BH23-04	BH23-05	WS12-01	WS12-01
											Sample ID	BH11	BH11	BH11	BH11	BH12	BH12	BH12	BH12	BH12	BH12-01	BH12-02D	BH12-02D	BH12-03	BH12-04	BH12-04	BH12-04	BH12-04	BH12-04	BH12-05	BH12-05	BH12-05	BH12-05	BH12-05	BH12-06	BH12-06	BH12-06	BH12-06	BH23-03	BH23-04	BH23-04	BH23-04	BH23-05	WS12-01	WS12-01
											Depth			4.0m	4.00m			6.00m	6.00m	6m	3m				5.0m	5m	5m			5.00m	6m	6m			5.50m	5.5m			0.8m	3.0m	4.00m	4m		2.50m	2m
											Date	20/05/2013	28/05/2013	10/05/2023	07/06/2023	20/05/2013	28/05/2013	11/05/2023	07/06/2023	06/07/2023	08/06/2023	14/02/2013	27/02/2013	14/02/2013	10/05/2023	08/06/2023	06/07/2023	14/02/2013	27/02/2013	11/05/2023	08/06/2023	06/07/2023	14/02/2013	28/02/2013	07/06/2023	04/07/2023	14/02/2013	28/02/2013	10/05/2023	10/05/2023	07/06/2023	06/07/2023	10/05/2023	11/05/2023	06/07/2023
											Strata	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	MG/RTD	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	MG	MG	MG	MG	MG	MG/ALV	MG/ALV
Styrene	mg.l-1	<0.002	0.05	23	<0.002	2.082	6	BH11, RTD; BH12, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; WS12-01 , MG/ALV; WS12-02 , MG/ALV				<0.002	0.53			2.082	0.171					<0.002	0.198	-				<0.002	<0.002				<0.002	<0.002			<0.002	<0.002									
Bromoform	mg.l-1	<0.002	N/A	23	0.002	<0.002	0					<0.002	<0.002			<0.002	<0.002					<0.002	<0.002	-				<0.002	<0.002				<0.002	<0.002			<0.002	<0.002							
Isopropylbenzene	mg.l-1	<0.003	No WSV	23	<0.003	0.361	0					0.361	0.009			0.042	0.017					<0.003	0.005	-				0.038	0.03				0.012	<0.003			<0.003	<0.003							
1,1,2,2-Tetrachloroethane	mg.l-1	<0.004	No WSV	23	0.004	<0.004	0					<0.004	<0.004			<0.004	<0.004					<0.004	<0.004	-				<0.004	<0.004				<0.004	<0.004			<0.004	<0.004							
Bromobenzene	mg.l-1	<0.002	No WSV	23	0.002	<0.002	0					<0.002	<0.002			<0.002	<0.002					<0.002	<0.002	-				<0.002	<0.002				<0.002	<0.002			<0.002	<0.002							
1,2,3-Trichloropropane	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0					<0.003	<0.003			<0.003	<0.003					<0.003	<0.003	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003							
Propylbenzene	mg.l-1	<0.003	No WSV	23	<0.003	0.183	0					0.137	<0.003			<0.003	0.026					<0.003	0.004	-				0.044	0.029				0.004	<0.003			<0.003	<0.003							
2-Chlorotoluene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0					<0.003	<0.003			<0.003	<0.003					<0.003	<0.003	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003							
1,3,5-Trimethylbenzene	mg.l-1	<0.003	No WSV	23	<0.003	0.538	0					0.538	0.122			<0.003	0.036					0.02	0.021	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003							
4-Chlorotoluene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0					<0.003	<0.003			<0.003	<0.003					<0.003	<0.003	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003							
tert-Butylbenzene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0					<0.003	<0.003			<0.003	<0.003					<0.003	<0.003	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003							
1,2,4-Trimethylbenzene	mg.l-1	<0.003	No WSV	23	<0.003	1.617	0					1.253	0.357			1.265	0.161					0.071	0.072	-				<0.003	0.004				<0.003	<0.003			<0.003	<0.003							
sec-Butylbenzene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0					<0.003	<0.003			<0.003	<0.003					<0.003	<0.003	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003							
4-Isopropyltoluene	mg.l-1	<0.003	No WSV	23	<0.003	0.083	0					0.083	<0.003			<0.003	<0.003					<0.003	<0.003	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003							
1,3-Dichlorobenzene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0					<0.003	<0.003			<0.003	<0.003					<0.003	<0.003	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003							
1,4-Dichlorobenzene	mg.l-1	<0.003	0.02	23	<0.003	0.029	1	BH12, RTD				<0.003	<0.003			<0.003	0.029					<0.003	<0.003	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003							
n-Butylbenzene	mg.l-1	<0.003	No WSV	23	<0.003	0.062	0					0.062	<0.003			<0.003	<0.003					<0.003	<0.003	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003							
1,2-Dichlorobenzene	mg.l-1	<0.003	0.02	23	<0.003	0.021	1	BH12, RTD				<0.003	<0.003			<0.003	0.021					<0.003	<0.003	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003							
1,2-Dibromo-3-chloropropane	mg.l-1	<0.002	N/A	23	0.002	<0.002	0					<0.002	<0.002			<0.002	<0.002					<0.002	<0.002	-				<0.002	<0.002				<0.002	<0.002			<0.002	<0.002							
1,2,4-Trichlorobenzene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0					<0.003	<0.003			<0.003	<0.003					<0.003	<0.003	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003							
Hexachlorobutadiene	mg.l-1	<0.003	0.0006	23	0.003	<0.003	0					<0.003	<0.003			<0.003	<0.003					<0.003	<0.003	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003							
Naphthalene	mg.l-1	<0.002	0.002	23	<0.002	20.503	17	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-03 , MG; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV				3.708	3.07			20.503	0.612					0.418	1.981	-				0.017	0.036				<0.002	<0.002			<0.002	<0.002							
1,2,3-Trichlorobenzene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0					<0.003	<0.003			<0.003	<0.003					<0.003	<0.003	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003							
Methyl Tertiary Butyl Ether	mg.l-1	<0.001	No WSV	24	0.0001	<0.001	0					<0.0001	<0.0001			<0.0001	<0.0001					<0.001	<0.001	-				<0.001	<0.001				<0.001	<0.001			<0.001	<0.001							
Trichloromethane	mg.l-1	0.001	0.0025	0	0	0	0																																					
1,1-Dichloropropene	mg.l-1	0.001	No WSV	0	0	0	0																																					
Tetrachloromethane	mg.l-1	0.001	0.012	0	0	0	0																																					
Benzene	mg.l-1	<0.001	0.01	24	<0.001	178.672	19	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-03 , MG; WS12-03 , MG; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV				68.2	6.2043			18.8443	4.9479					3.084	27.537	-				25.656	12.353				4.521	<0.001			<0.001	<0.001							
Toluene	mg.l-1	<0.002	0.074	24	<0.002	28.928	14	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV				14.25	1.6412			5.107	0.764					0.913	4.419	-				0.069	0.04				0.011	<0.002			<0.002	<0.002							
Ethylbenzene	mg.l-1	<0.002	0.02	24	<0.002	3.9405	17	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV				0.75	0.1871			3.9405	0.3252					0.066	0.294	-				0.492	0.356				0.036	<0.002			<0.002	<0.002							
p/m-Xylene	mg.l-1	<0.003	No WSV	24	<0.003	5.359	0					4.604	1.665			4.956	0.527					0.248	0.64	-				0.021	0.021				<0.003	<0.003			0.01	0.009							
o-Xylene	mg.l-1	<0.002	See Xylenes (total)	24	<0.002	2.658	0					1.326	0.8876			2.5022	0.3304					0.113	0.427	-				0.025	0.022				0.004	<0.002			<0.002	<0.002							
Surrogate Recovery Toluene D8	mg.l-1	<0	No WSV	4	108	151	0					151	126			148	108																											
Surrogate Recovery 4-Bromofluorobenzene	mg.l-1	<0	No WSV	4	118	129	0					123	129			128	118																											
EPH (C8-C40)	mg.l-1	<0.01	No WSV	24	<0.01	242.32	0					96.5	51.38			25.6	19.65					4.5	50.09	86.01				30.6	26.35				6.59	<0.01			0.62	0.05							
Total BTEX	mg.l-1	0.001	No WSV	32	<0.001	180	0							7	<0.001			<0.001	5.2	0.046	160							0.13	0.054	7.1			0.0031	<0.001	0.0031			0.0077	<0.001			0.004	39	59	69	0.0045	27	13
TPH CWG																																													
Aliphatics																																												
>C5-C6	mg.l-1	<0.005	No WSV	55	<0.0001	4.932	0					0.295	0.084	<0.0001	<0.0001	0.362	0.923	<0.0001	<0.0001	<0.0001	<0.0001	0.171	1.324	-	<0.0001	<0.0001	<0.0001	0.229	0.235	<0.0001	<0.0001	<0.0001	0.233	0.109	<0.0001	<0.0001	<0.005	<0.005	<0.0001	<0.0001	<0.0001	0.062		<0.0001	<0.0001
>C6-C8	mg.l-1	<0.005	No WSV	55	<0.0001	157.967	0					<0.005	<0.005	<0.0001	<0.0001	<0.005	<0.005	<0.0001	<0.0001	<0.0001	1.6	<0.005	<0.005	-	<0.0001	0.14	<0.0001	0.894	<0.005	<0.0001	<0.0001	<0.0001	0.367	0.193	<0.0001	<0.0001	<0.005	<0.005	<0.0001	<0.0001	<0.0001	0.38		<0.0001	<0.0001
>C8-C10	mg.l-1	<0.005	No WSV	55	<0.0001	13.464	0					2.163	0.392	<0.0001	<0.0001	1.564	1.6	<0.0001	<0.0001	<0.0001	12	0.131	1.146	-	<0.0001	0.12	<0.0001	0.48	0.427	<0.0001	<0.0001	<0.0001	0.059	0.224	<0.0001	<0.0001	<0.005	0.015	<0.0001	1.4	0.5	0.047		<0.0001	<0.0001
>C10-C12	mg.l-1	<0.005	No WSV	56	<0.0001	21	0					<0.005	0.008	<0.0001	<0.0001	0.09	<0.005	<0.0001	<0.0001	<0.0001	21	<0.005	0.074	1.592	<0.0001	<0.0001	<0.0001	<0.005	<0.005	<0.0001	<0.0001	<0.0001	<0.005	<0.005	<0.0001	<0.0001	<0.005	<0.005	<0.0001	0.048	0.022	<0.0001		<0.0001	<0.0001
>C12-C16	mg.l-1	<0.01	No WSV	56	<0.0001	36	0					<0.01	0.12	<0.0001	<0.0001	0.55	<0.01	<0.0001	<0.0001	<0.0001	36	<0.01	<0.01	0.14	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001
>C16-C21	mg.l-1	<0.01	No WSV	56	<0.0001	48	0					<0.01	0.03	<0.0001	<0.0001	0.22	<0.01	<0.0001	<0.0001	<0.0001	48	<0.01	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001
>C21-C35	mg.l-1	<0.01	No WSV	56	<0.0001	25	0					<0.01	<0.01	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.0001	25	<0.01	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	0.062	<0.0001		<0.0001	0.09
Aliphatic TPH >C35-C44	mg.l-1	0.0001	0.01	31	<0.0001	2.5	1	BH12-01, MG/RTD						<0.0001	<0.0001			<0.0001	<0.0001	<0.0001	2.5				<0.0001	<0.0001	<0.0001			<0.0001	<0.0001				<0.0001	<0.0001			<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001
Total aliphatics C5-35	mg.l-1	<0.01	No WSV	24	<0.01	173.21	0					2.46	0.63			2.79	2.52					0.3	2.54	-				1.6	0.66				0.66	0.53			<0.01	0.02							
Total aliphatics C5-C12	mg.l-1	<0.01	No WSV	23	<0.01	173.21	0					2.46	0.48			2.02	2.52					0.3	2.54	-				1.6	0.66				0.66	0.53			<0.01	0.02							
Total aliphatics >C12-C35	mg.l-1	<0.01	No WSV	25	<0.01	0.77	0					<0.01	0.15			0.77	<0.01					<0.01	<0.01	0.14				<0.01	<0.01				<0.01	<0.01			<0.01	<0.01							
Total Aliphatic Hydrocarbons	mg.l-1	0.005	No WSV	31	<0.005	150	0							<0.005	<0.005			<0.005	<0.005	<0.005	150				<0.005	0.26	<0.005			<0.005	<0.005	<0.005			<0.005	<0.005			<0.005	1.4	0.59	0.49		<0.005	0.09
Aromatics																																													
>C5-EC7	mg.l-1	<0.005	No WSV	55	<0.0001	173.847	0					67.992	5.843	<0.0001	<0.0001	10.021	10.622	<0.0001	<0.0001	<0.0001	4	2.602	34.714	-	<0.0001	0.16	<0.0001	25.561	21.691	<0.0001	<0.0001	<0.0001	3.967	<0.005	<0.0001	<0.0001	<0.005	<0.005	<0.0001	2.5	1.9	1.4		0.18	0.63
>EC7-EC8	mg.l-1	<0.005	No WSV	55	<0.0001	64	0					13.498	0.975	0.19	<0.0001	2.616	0.685	<0.0001	0.042	<0.0001	64	0.762	5.163	-	<0.0001	0.12	<0.0001	0.053	0.031	<0.0001	<0.0001	<0.0001	0.007	<0.005	<0.0001	<0.0001	<0.005	<0.005	<0.0001	4.7	4.7	5.3		0.77	0.15
>EC8-EC10	mg.l-1	<0.005	No WSV	55	<0.0001	72	0					6.176	2.3	0.43	<0.0001	6.171	1.195	<0.0001	0.29	<0.0001	69	0.406	2.788	-	0.92	2.1	0.28	0.539	0.347	<0.0001	<0.0001	<0.0001	0.323	<0.005	<0.0001	<0.0001	0.009	0.019	<0.0001	72	45	12		1.3	1.8
>EC10-EC12	mg.l-1	<0.005	No WSV	56	<0.0001	160	0					0.532	6.784	0.49	<0.0001	1.374	1.234	<0.0001	0.12	<0.0001	160	0.22	2.429	15.69	0.59	1.9	0.18	0.263	0.178	<0.0001	<0.0001	<0.0001	0.064	<0.005	<0.0001	<0.0001	<0.005	<0.005	<0.0001	9.7	5.6	1.7		0.62	2
>EC12-EC16	mg.l-1	<0.01	No WSV	56	<0.0001	380	0					0.28	4.82	0.4	<0.0001	1.05	0.85	<0.0001	0.072	<0.0001	380	0.12	0.85	5.4	0.49	2.1	0.027	0.34	0.3	<0.0001	<0.0001	<0.0001	0.23	<0.01	<0.0001	<0.0001	<0.01	<0.01	<0.0001	8.9	4.8	2		0.76	1.7
>EC16-EC21	mg.l-1	<0.01	No WSV	56	<0.0001	270	0					<0.01	1.94	<0.0001	<0.0001	0.34	0.05	<0.0001	<0.0001	<0.0001	270	<0.01	0.11	1.27	0.075	0.17	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.01	<0.01	<0.0001	5.8	3.2	0.52		<0.0001	0.28
>EC21-EC35	mg.l-1	<0.01	No WSV	56	<0.0001	190	0					<0.01	1.14	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.0001	190	<0.01	<0.01	0.14	0.07	0.051	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	0.14	<0.0001		<0.0001	0.031
Aromatic TPH >C35-C44	mg.l-1	0.0001	0.01	31	<0.0001	<0.0001	0							<0.0001	<0.0001			<0.0001	<0.0001	<0.0001	<0.0001				<0.0001	<0.0001	<0.0001			<0.0001	<0.0001				<0.0001	<0.0001			<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001
Total aromatics C5-35	mg.l-1	<0.01	No WSV	24	<0.01	209.47	0					88.48	23.8			21.57	14.64					4.11	46.05	-				26.76	22.55				4.59	<0.01			<0.01	0.02							
Total aromatics C6-C12	mg.l-1	<0.01	No WSV	24	<0.01	207.54	0					88.2	15.9			20.18	13.74					3.99	45.09	-				26.42	22.25				4.36	<0.01			<0.01	0.02							
Total aromatics >EC12-EC35	mg.l-1	<0.01	No WSV	25	<0.01	7.9	0					0.28	7.9			1.39	0.9					0.12	0.96	6.81				0.34	0.3				0.23	<0.01			<0.01	<0.01							
Total aliphatics and aromatics(C5-35)	mg.l-1	<0.01	No WSV	24	<0.01	225.61	0					90.94	24.43			24.36	17.16					4.41	48.59	-				28.36	23.21				5.25	0.53			<0.01	0.04							
Total Aromatic Hydrocarbons	mg.l-1	0.005	No WSV	31	<0.005	1100	0							1.5	<0.005			<0.005	0.52	<0.005	1100				2.1	6.5	0.47			<0.005	<0.005	<0.005			<0.005	<0.005			<0.005	100	66	23		3.6	6.6
Total Petroleum Hydrocarbons	mg.l-1	0.01	No WSV	31	<0.01	1300	0							1.5	<0.01			<0.01	0.52	<0.01	1300				2.1	6.8	0.47			<0.01	<0.01	<0.01			<0.01	<0.01			<0.01	100	66	23		3.6	6.6
PCB																																													
PCB 28	mg.l-1	0.00001	No WSV	0	0	0	0																																					
PCB 52	mg.l-1	0.00001	No WSV	0	0	0	0																																					
PCB 90+101	mg.l-1	0.00001	No WSV	0	0	0	0																																					
PCB 118	mg.l-1	0.00001	No WSV	0	0	0	0																																					
PCB 153	mg.l-1	0.00001	No WSV	0	0	0	0																																					
PCB 138	mg.l-1	0.00001	No WSV	0	0	0	0																																					
PCB 180	mg.l-1	0.00001	No WSV	0	0	0	0																																					
Total PCBs (7 congeners)	mg.l-1	0.00001	No WSV	0	0	0	0																																					
Resorcinol	mg.l-1	<0.0005	No WSV	56	<0.0005	0.15	0					<0.0005	<0.0005	0.019	<0.005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0005	0.0006	0.0046	0.025	<0.005	<0.005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.005	<0.005	<0.0005	<0.0005	<0.005	0.053	0.042	0.018	0.15	<0.005	<0.005
Catechol	mg.l-1	<0.0005	No WSV	24	<0.0005	0.0466	0					<0.0005	<0.0005			<0.0005	<0.0005					<0.0005	0.0015	0.0202				<0.0005	<0.0005				0.0034	<0.0005			<0.0005	<0.0005							

Assessment Criteria :	Manual SSAC
CaCO (mg/l):	150.00
pH	0.00
Calcium (mg/l):	0.00
DOC (mg/l)	0.00
Catchment area:	Thames

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences			Location	BH11	BH11	BH11	BH11	BH12	BH12	BH12	BH12	BH12	BH12-01	BH12-02D	BH12-02D	BH12-03	BH12-04	BH12-04	BH12-04	BH12-04	BH12-04	BH12-05	BH12-05	BH12-05	BH12-05	BH12-05	BH12-06	BH12-06	BH12-06	BH12-06	BH23-03	BH23-04	BH23-04	BH23-04	BH23-05	WS12-01	WS12-01
											Sample ID	BH11	BH11	BH11	BH11	BH12	BH12	BH12	BH12	BH12	BH12-01	BH12-02D	BH12-02D	BH12-03	BH12-04	BH12-04	BH12-04	BH12-04	BH12-04	BH12-05	BH12-05	BH12-05	BH12-05	BH12-05	BH12-06	BH12-06	BH12-06	BH12-06	BH23-03	BH23-04	BH23-04	BH23-04	BH23-05	WS12-01	WS12-01
											Depth			4.0m	4.00m			6.00m	6.00m	6m	3m				5.0m	5m	5m			5.00m	6m	6m			5.50m	5.5m			0.8m	3.0m	4.00m	4m		2.50m	2m
											Date	20/05/2013	28/05/2013	10/05/2023	07/06/2023	20/05/2013	28/05/2013	11/05/2023	07/06/2023	06/07/2023	08/06/2023	14/02/2013	27/02/2013	14/02/2013	10/05/2023	08/06/2023	06/07/2023	14/02/2013	27/02/2013	11/05/2023	08/06/2023	06/07/2023	14/02/2013	28/02/2013	07/06/2023	04/07/2023	14/02/2013	28/02/2013	10/05/2023	10/05/2023	07/06/2023	06/07/2023	10/05/2023	11/05/2023	06/07/2023
											Strata	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	MG/RTD	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	MG	MG	MG	MG	MG	MG/ALV	MG/ALV
										Zone																																			
Phenol	mg.l-1	<0.0005	0.0077	56	<0.0005	12	39	BH11, RTD; BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12-01, MG/RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH12-03 , ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; BH12-06 , ALV/RTD/LC; BH23-04, MG; BH23-04, MG; BH23-04, MG; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-03 , MG; WS12-03 , MG; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV			0.2522	0.0757	0.064	<0.005	0.2501	0.1307	0.006	0.049	0.005	12	0.0153	1.3121	0.1832	1.7	0.037	0.018	0.2019	0.1872	<0.005	<0.005	<0.005	0.0325	<0.0005	<0.005	<0.005	0.0013	0.0179	<0.005	4	3.8	4.2	0.006	0.25	0.23
m/p-cresol	mg.l-1	<0.0005	No WSV	56	<0.0005	33	0				0.0141	0.0008	0.005	<0.005	0.0172	0.0193	<0.005	0.007	<0.005	33	0.0599	3.91	3.3525	<0.005	<0.005	0.041	0.0251	0.0031	<0.005	<0.005	<0.005	0.002	<0.0005	<0.005	<0.005	<0.0005	0.0094	<0.005	6.5	6.1	6.7	<0.005	0.4	0.11
o-cresol	mg.l-1	<0.0005	No WSV	56	<0.0005	12	0				0.0081	0.0007	0.015	<0.005	0.0084	0.0278	0.018	0.014	0.02	12	0.0505	2.6124	2.9929	0.046	<0.005	0.024	0.02	0.0033	<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.005	<0.005	0.0008	0.0028	<0.005	4.9	3.9	4.4	<0.005	1.2	0.83
Total cresols	mg.l-1	<0.0005	No WSV	56	<0.0005	6.5224	0				0.0222	0.0015	<0.005	<0.005	0.0256	0.0471	<0.005	<0.005	<0.005	<0.005	0.1104	6.5224	6.3454	<0.005	<0.005	<0.005	0.0451	0.0064	<0.005	<0.005	<0.005	0.002	<0.0005	<0.005	<0.005	0.0008	0.0122	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Xylenols	mg.l-1	<0.0005	No WSV	24	<0.0005	4.8534	0				<0.0005	0.1101			<0.0005	0.4889					0.1015	3.8014	4.6597				0.4756	0.0761				0.0944	<0.0005			0.0128	<0.0005							
1-naphthol	mg.l-1	<0.0005	No WSV	24	<0.0005	0.0528	0				<0.0005	0.0118			<0.0005	0.0528					<0.0005	0.0042	<0.0005				0.0177	0.0065				0.0026	<0.0005			<0.0005	<0.0005							
2,3,5-trimethyl phenol	mg.l-1	<0.0005	No WSV	24	<0.0005	0.0289	0				<0.0005	<0.0005			<0.0005	<0.0005					<0.0005	<0.0005	0.0069				0.0015	<0.0005				<0.0005	<0.0005			<0.0005	<0.0005							
2-isopropylphenol	mg.l-1	<0.0005	No WSV	24	<0.0005	0.1508	0				<0.0005	<0.0005			<0.0005	<0.0005					<0.0005	<0.0005	<0.0005				0.0457	<0.0005				<0.0005	<0.0005			<0.0005	<0.0005							
Total Speciated Phenols HPLC	mg.l-1	<0.005	No WSV	56	<0.005	58	0				0.274	0.199	0.1	<0.03	0.276	0.72	<0.03	0.07	0.047	58	0.227	11.642	11.22	1.8	0.051	0.12	0.788	0.276	<0.03	<0.03	<0.03	0.135	<0.005	<0.03	<0.03	0.015	0.03	<0.03	16	14	15	0.16	1.9	1.3
Germanium	mg.l-1	0.001	No WSV	0	0	0	0																																						
Trimethylphenols	mg.l-1	0.0050	No WSV	24	<0.005	0.89	0						<0.005	<0.005					<0.005	<0.005		<0.005				0.018	0.01				<0.005	<0.005			<0.005	0.89	<0.005		<0.005	<0.005	

Assessment Criteria :	Manual SSAC
CaCO (mg/l):	150.00
Calcium (mg/l):	0.00
pH	0.00
DOC (mg/l)	0.00
Catchment area:	Thames

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	WS12-01	WS12-01	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-03	WS12-03	WS12-03	WS12-03	WS12-03	WS12-06	WS12-06	WS12-07	WS12-07	WS12-07	WS12-07	WS12-07	WS12-08	WS12-08	WS12-08
									WS12-01	WS12-01	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-03	WS12-03	WS12-03	WS12-03	WS12-03	WS12-06	WS12-06	WS12-07	WS12-07	WS12-07	WS12-07	WS12-07	WS12-08	WS12-08	WS12-08
											2.50m	2.00m	2.00m	2m			2.00m	2.00m	2m					3.00m	4.00m	4m			2m		
									14/02/2013	27/02/2013	11/05/2023	07/06/2023	07/06/2023	06/07/2023	14/02/2013	27/02/2013	11/05/2023	07/06/2023	06/07/2023	14/02/2013	27/02/2013	14/02/2013	27/02/2013	11/05/2023	07/06/2023	06/07/2023	14/02/2013	27/02/2013	08/06/2023	14/02/2013	27/02/2013
									MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG	MG	MG	MG	MG	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV
pH	pH units	<0.01	6-9	24	2.46	7.55	0		6.74	6.69					6.7	6.67				6.98	7.03	7.11	6.93				2.46	2.61		6.81	
Electrical Conductivity (at 25C)	uS.cm-1	<2	No WSV	54	388	19608	0		4390	4366	1100	2500		2000	1860	2048	3000	2900	3000	2713	2356	2853	2968	2100	3400	610	19608	7477	1800	4362	
Total Suspended Solids	mg.l-1	<10	N/A	54	<5	2300	1	BH12-03 , ALV/RTD/LC	179	84	140	72		100	91	55	19	110	190	22	22	900	251	150	750	350	74	48	2100	89	
Dissolved Organic Carbon	mg.l-1	<2	No WSV	24	11	677	0		180	48					144	82				107	11	213	677				464	560		26	
Thiocyanate	mg.l-1	<0.02	No WSV	54	<0.02	32.74	0		16.18	32.74	3.3	<0.5		12	2.52	4.16	<0.5	<0.5	<0.5	<0.02	<0.02	1.05	0.47	1.3	<0.5	<0.5	1.94	2.19	<0.5	<0.02	
Sulphide	mg.l-1	<0.3	No WSV	55	<0.05	<0.3	0		<0.3	<0.3	<0.05	<0.05		<0.05	<0.3	<0.3	<0.05	<0.05	<0.05	<0.3	<0.3	<0.3	<0.3	<0.05	<0.05	<0.05	<0.3	<0.3	<0.05	<0.3	
Ammoniacal Nitrogen as NH4	mg.l-1	<0.03	0.26	54	0.054	110	52	BH11, RTD; BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH12-03 , ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; BH12-06, ALV/RTD/LC; BH12-06, ALV/RTD/LC; BH12-06 , ALV/RTD/LC; BH12-06 , ALV/RTD/LC; BH23-03, MG; BH23-04, MG; BH23-04, MG; BH23-04, MG; BH23-05, MG; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-03, MG; WS12-03, MG; WS12-03, MG; WS12-03 , MG; WS12-03 , MG; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08, MG/ALV; WS12-08 , MG/ALV	104.83	101.41	5.1	9.9		29	18.18	21.06	9.7	16	22	18.2	18.83	12.76	12.5	0.98	0.054	1.6	25.51	23.82	2.1	8.08	
Complex Cyanide	mg.l-1	<0.01	No WSV	54	0.01	1.99	0		1.46	1.7	0.19	<0.05		0.35	0.38	0.41	0.32	<0.05	0.3	0.25	0.2	0.55	0.26	0.29	<0.05	0.07	0.33	1.99	<0.05	0.07	
Total Cyanide	mg.l-1	<0.005	N/A	54	0.01	1.989	0		1.468	1.721	0.19	<0.05		0.35	0.39	0.412	0.32	<0.05	0.3	0.254	0.198	0.548	0.261	0.29	<0.05	0.07	0.359	1.989	<0.05	0.07	
Free Cyanide	mg.l-1	<0.005	0.001	54	0.005	0.088	6	BH12-02D, ALV/RTD/LC; BH12-06 , ALV/RTD/LC; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02 , MG/ALV; WS12-07 , MG/ALV	0.013	0.025	<0.05	<0.05		<0.05	0.011	<0.005	<0.05	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05	<0.05	0.032	<0.005	<0.05	<0.005	
Chloride	mg.l-1	<0.3	250	54	19	4126	21	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-03, MG; WS12-03, MG; WS12-03, MG; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08 , MG/ALV	565.5	540.4	79	77		120	183.3	188.5	410	440	420	198.1	96.7	144.4	176.2	110	170	19	4126	445.3	43	850	
Sulphate	mg.l-1	<0.05	400	54	<1	6958.93	18	BH12-03 , ALV/RTD/LC; BH23-03, MG; BH23-04, MG; BH23-04, MG; BH23-04, MG; BH23-05, MG; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-03, MG; WS12-03, MG; WS12-03, MG; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08, MG/ALV	714.35	701.41	120	140		340	205.98	238.07	520	610	520	376.48	370.04	412.86	356.53	1200	2100	280	6958.93	4300.07	580	343.27	
Total Hardness Dissolved (as CaCO3)	mg.l-1	<1	No WSV	21	176	1909	0		1781	1794					778	900				1311	1266	1520	1406				1909	1559		1153	1226
Total Dissolved Sulphur	mg.l-1	<0.01	No WSV	54	<1	2275	0		298.7	113.7	40	47		110	86.41	47.23	170	200	170	109.9	55.65	108.7	55.67	400	700	93	2275	329.5	190	103.1 -	
Chemical Oxygen Demand	mg O2/l	10	No WSV	8	25	1500	0							390					51							360					
Total Organic Carbon	mg.l-1	2.0	No WSV	49	4.9	500	0		130	30	68	69		150	8.1	13	62	20	36	28		4.9	500	240	360	62	11	360	8.1	30	20
Metals																															
Dissolved Arsenic	mg.l-1	<0.0009	0.05	54	0.0003	0.5802	9	BH23-04, MG; BH23-04, MG; BH23-04, MG; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV	0.5559	0.5802	0.01	0.015		0.013	0.0085	0.0072	0.015	0.027	0.015	0.0042	0.0059	<0.0009	<0.0009	0.24	0.097	0.025	<0.0009	0.0358	0.0016	<0.0009	-
Dissolved Cadmium	mg.l-1	<0.00003	0.00015	54	0.00003	0.2311	7	BH11, RTD; BH12, RTD; WS12-01 , MG/ALV; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV	0.0004	<0.00003	<0.00011	<0.00011		<0.00011	0.00006	<0.00003	<0.00011	<0.00011	<0.00011	<0.00003	0.00005	<0.00003	0.00122	0.00085	0.00013	<0.00011	0.2311	0.09036	<0.00011	<0.00003	-
Total Dissolved Chromium	mg.l-1	<0.0002	See Cr VI as first pass	54	<0.0002	0.5326	0		0.0026	0.0015	0.00098	0.0016		0.002	0.0027	0.0055	0.0018	<0.0005	<0.0005	<0.0002	<0.0002	0.0005	0.0048	0.021	0.019	0.0066	0.511	0.5326	<0.0005	<0.0002	-
Dissolved Copper	mg.l-1	<0.003	0.03449	54	<0.0005	0.248	2	WS12-07 , MG/ALV; WS12-07 , MG/ALV	<0.003	<0.003	<0.0005	<0.0005		<0.0005	<0.003	<0.003	0.00086	<0.0005	0.001	<0.003	<0.003	<0.003	<0.003	0.013	0.002	0.002	0.248	0.097	0.0014	<0.003	-
Total Dissolved Iron	mg.l-1	<0.0047	No WSV	54	0.0067	1131	0		0.7369	0.6976	0.11	13		1.3	0.5783	0.3121	0.17	0.2	0.21	4.853	0.1515	3.505	9.799	74	170	28	1131	720.2	0.018	0.1863	-
Dissolved Lead	mg.l-1	<0.0004	0.00888	54	<0.0004	0.3251	11	BH11, RTD; BH11, RTD; BH12, RTD; WS12-02 , MG/ALV; WS12-03 , MG; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV	0.0056	0.0078	<0.0005	<0.0005		<0.0005	0.0058	0.0168	<0.0005	<0.0005	<0.0005	0.005	0.0181	0.004	0.0131	0.19	0.026	0.01	0.3251	0.2705	<0.0005	<0.0004	-
Dissolved Nickel	mg.l-1	<0.0002	0.01998	54	0.0012	0.66	12	BH11, RTD; BH11, RTD; BH12-03 , ALV/RTD/LC; BH23-04, MG; BH23-04, MG; BH23-04, MG; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08, MG/ALV	0.0172	0.0198	0.0078	0.0088		0.012	0.0068	0.0097	0.0026	0.0024	0.0033	0.0154	0.0062	0.0086	0.0147	0.085	0.082	0.026	0.66	0.4604	0.04	0.0112	-
Dissolved Selenium	mg.l-1	<0.0012	N/A	54	<0.0005	0.027	0		<0.0012	<0.0012	0.0023	0.002		0.0072	<0.0012	<0.0012	0.00082	0.00054	0.00096	<0.0012	<0.0012	<0.0012	<0.0012	0.0065	0.019	0.005	<0.0012	<0.0012	0.001	<0.0012	-
Dissolved Zinc	mg.l-1	<0.0015	0.03511	54	<0.0015	7.589	11	BH11, RTD; BH11, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08, MG/ALV	0.0072	0.004	<0.0025	0.0046		0.0036	0.0061	0.0033	<0.0025	0.0064	0.0058	0.0213	0.0022	0.0042	0.2598	0.35	0.15	0.046	7.589	7.445	0.04	0.0091	-
Mercury Dissolved by CVAF	mg.l-1	<0.01	No WSV	54	0.00001	20.57	0		0.25	0.7	<0.00005	<0.00005		<0.00005	1.15	0.16	<0.00005	<0.00005	<0.00005	**<0.01**	<0.01	0.03	20.57	<0.00005	<0.00005	<0.00005	0.23	0.26	<0.00005	0.05 -	
Potassium (Dissolved)	mg.l-1	0.50	No WSV	8	5.6	55	0							18					55							5.6					
Magnesium (Dissolved)	mg.l-1	0.20	N/A	8	3.4	81	0							24					38							3.4					
Sodium (Dissolved)	mg.l-1	1.50	No WSV	8	18	380	0							66					180							18					
Cobalt (Dissolved)	mg.l-1	0.0005	No WSV	8	0.00052	0.025	0							0.00099					0.0016							0.0084					
Molybdenum (Dissolved)	mg.l-1	0.0002	No WSV	8	0.0005	0.0016	0							0.0015					0.0011							0.0005					
Vanadium (Dissolved)	mg.l-1	0.0005	No WSV	8	<0.0005	0.02	0							<0.0005					0.0013							0.015					
Calcium (Dissolved)	mg.l-1	2.00	N/A	8	88	780	0							380					500							88					
PAH MS																															
Naphthalene	mg.l-1	<0.00001 4	0.002	55	<0.00001 4	98	42	BH11, RTD; BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12-01, MG/RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH12-03 , ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-06 , ALV/RTD/LC; BH12-06 , ALV/RTD/LC; BH23-04, MG; BH23-04, MG; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-03 , MG; WS12-03 , MG; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08 , MG/ALV	2.26469	2.56301	0.078	0.6	1	2.2	2.25912	3.40308	<0.0001	<0.0001	0.00033	0.0064	0.01252	0.68676	0.40586	0.067	0.54	0.47	0.62735	60.016	<0.0001	0.01077	-
Acenaphthylene	mg.l-1	<0.00001 3	Screen BaP only	55	<0.0001	19	0		0.20971	0.21033	0.0019	0.071	0.11	0.019	0.05753	0.08252	<0.0001	0.0031	0.001	0.00362	0.00424	0.05754	0.04591	<0.0001	0.00062	<0.0001	<0.00065	0.00046	<0.0001	0.002 -	
Acenaphthene	mg.l-1	<0.00001 3	Screen BaP only	55	<0.0001	2.6	0		0.03051	0.02863	0.0014	<0.0001	0.024	0.03	0.01229	0.01092	<0.0001	0.014	0.0047	0.01332	0.01705	0.03386	0.01978	<0.0001	<0.0001	<0.0001	0.00099	0.00075	<0.0001	0.00037	-
Fluorene	mg.l-1	<0.00001 4	N/A	55	<0.00001 4	7.2	0		0.05187	0.05101	<0.0001	0.072	0.055	0.011	0.01483	0.01861	<0.0001	<0.0001	<0.0001	0.0014	0.00122	0.03014	0.0176	<0.0001	<0.0001	0.0027	0.00244	0.00285	<0.0001	0.00051	-
Phenanthrene	mg.l-1	<0.00001 1	Screen BaP only	55	<0.00001 1	19	0		0.0685	0.05681	<0.0001	<0.0001	0.1	0.016	0.01923	0.01772	<0.0001	<0.0001	<0.0001	0.00327	0.00272	0.03943	0.02167	<0.0001	0.0058	0.0034	0.00299	0.00233	<0.0001	0.00012	-

Assessment Criteria :	Manual SSAC
CaCO (mg/l):	150.00
Calcium (mg/l):	0.00
pH	0.00
DOC (mg/l)	0.00
Catchment area:	Thames

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	WS12-01	WS12-01	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-03	WS12-03	WS12-03	WS12-03	WS12-03	WS12-06	WS12-06	WS12-07	WS12-07	WS12-07	WS12-07	WS12-07	WS12-08	WS12-08	WS12-08
									WS12-01	WS12-01	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-03	WS12-03	WS12-03	WS12-03	WS12-03	WS12-06	WS12-06	WS12-07	WS12-07	WS12-07	WS12-07	WS12-07	WS12-08	WS12-08	WS12-08
											2.50m	2.00m	2.00m	2m			2.00m	2.00m	2m					3.00m	4.00m	4m			2m		
									14/02/2013	27/02/2013	11/05/2023	07/06/2023	07/06/2023	06/07/2023	14/02/2013	27/02/2013	11/05/2023	07/06/2023	06/07/2023	14/02/2013	27/02/2013	14/02/2013	27/02/2013	11/05/2023	07/06/2023	06/07/2023	14/02/2013	27/02/2013	08/06/2023	14/02/2013	27/02/2013
									MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG	MG	MG	MG	MG	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV
Anthracene	mg.l-1	<0.000013	0.0001	55	<0.000013	5.5	30	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12-01, MG/RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH12-03 , ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; BH12-06 , ALV/RTD/LC; BH12-06 , ALV/RTD/LC; BH23-04, MG; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02 , MG/ALV; WS12-03 , MG; WS12-03 , MG; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08 , MG/ALV	0.01276	0.00988	<0.0001	0.025	0.021	<0.0001	<0.0065	0.00347	<0.0001	<0.0001	<0.0001	0.00095	0.00104	0.00832	0.00413	<0.0001	0.002	<0.0001	0.00077	0.00057	<0.0001	0.00011	-
Fluoranthene	mg.l-1	<0.000012	0.0000063	55	<0.000012	4.9	28	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12-01, MG/RTD; BH12-02D, ALV/RTD/LC; BH12-03 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; BH12-06 , ALV/RTD/LC; BH12-06 , ALV/RTD/LC; BH23-04, MG; BH23-04, MG; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02 , MG/ALV; WS12-03, MG; WS12-03 , MG; WS12-03 , MG; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-08 , MG/ALV	<0.006	0.00407	<0.0001	0.021	0.018	<0.0001	<0.006	0.00088	<0.0001	0.0022	<0.0001	0.00152	0.00178	0.00555	0.00321	<0.0001	<0.0001	0.00091	<0.0006	0.00039	<0.0001	0.00013	-
Pyrene	mg.l-1	<0.000013	N/A	55	<0.000013	6.9	0		<0.0065	0.00095	<0.0001	0.024	0.025	<0.0001	<0.0065	0.00079	<0.0001	0.0016	<0.0001	0.00088	0.00098	0.00403	0.0024	<0.0001	<0.0001	<0.0001	<0.00065	0.0003	<0.0001	0.00012	-
Benzo(a)anthracene	mg.l-1	<0.000015	Screen BaP only	55	<0.000015	1.9	0		<0.0075	0.00059	<0.0001	<0.0001	0.0034	<0.0001	<0.0075	<0.0003	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00076	0.00054	<0.0001	<0.0001	<0.0001	<0.00075	<0.0003	<0.0001	0.00002	-
Chrysene	mg.l-1	<0.000011	Screen BaP only	55	<0.000011	1.2	0		<0.0055	0.00047	<0.0001	<0.0001	0.0031	<0.0001	<0.0055	<0.00022	<0.0001	<0.0001	<0.0001	0.00005	0.00004	0.0007	0.00043	<0.0001	<0.0001	<0.0001	<0.00055	<0.00022	<0.0001	0.00002	-
Benzo(bk)fluoranthene	mg.l-1	<0.000018	No WSV	24	<0.000018	0.06869	0		<0.009	<0.00036					<0.009	<0.00036				<0.000018	<0.000018	<0.0009	<0.00036				<0.0009	<0.00036		<0.000018	-
Benzo(a)pyrene	mg.l-1	<0.000016	0.00000017	55	<0.000016	0.06516	4	BH11, RTD; BH11, RTD; BH12-03 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC	<0.008	<0.00032	<0.0001	<0.0001	<0.0001	<0.0001	<0.008	<0.00032	<0.0001	<0.0001	<0.0001	<0.000016	<0.000016	<0.0008	<0.00032	<0.0001	<0.0001	<0.0001	<0.0008	<0.00032	<0.0001	<0.000016	-
Indeno(123cd)pyrene	mg.l-1	<0.000011	Screen BaP only	55	<0.000011	0.03136	0		<0.0055	<0.00022	<0.0001	<0.0001	<0.0001	<0.0001	<0.0055	<0.00022	<0.0001	<0.0001	<0.0001	<0.000011	<0.000011	<0.00055	<0.00022	<0.0001	<0.0001	<0.0001	<0.00055	<0.00022	<0.0001	<0.000011	-
Dibenzo(ah)anthracene	mg.l-1	<0.00001	No WSV	55	<0.00001	0.046	0		<0.005	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.005	<0.0002	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.0005	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0002	<0.0001	<0.00001	-
Benzo(ghi)perylene	mg.l-1	<0.000011	Screen BaP only	55	<0.000011	0.02051	0		<0.0055	<0.00022	<0.0001	<0.0001	<0.0001	<0.0001	<0.0055	<0.00022	<0.0001	<0.0001	<0.0001	<0.000011	<0.000011	<0.00055	<0.00022	<0.0001	<0.0001	<0.0001	<0.00055	<0.00022	<0.0001	<0.000011	-
PAH 16 Total	mg.l-1	<0.000195	No WSV	55	0.00119	170	0		2.63804	2.92575	0.081	0.81	1.4	2.3	2.363	3.53799	<0.002	0.021	0.006	0.03146	0.04164	0.86709	0.52153	0.067	0.55	0.48	0.63454	60.02365	<0.002	0.01417	-
Benzo(b)fluoranthene	mg.l-1	<0.00001	Screen BaP only	55	0.00001	0.04946	0		<0.005	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.005	<0.0002	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.0005	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0002	<0.0001	<0.00001	-
Benzo(k)fluoranthene	mg.l-1	<0.00001	Screen BaP only	55	0.00001	0.01923	0		<0.005	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.005	<0.0002	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.0005	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0002	<0.0001	<0.00001	-
PAH Surrogate % Recovery	mg.l-1	<0	No WSV	4	106	128	0																								
VOC MS																															
Dichlorodifluoromethane	mg.l-1	<0.002	No WSV	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
Chloromethane	mg.l-1	<0.003	No WSV	23	<0.003	0.012	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				0.012	<0.003		<0.003	-
Vinyl Chloride	mg.l-1	<0.002	N/A	23	0.0001	<0.002	0		<0.002	<0.0001					<0.002	<0.0001				<0.002	<0.0001	<0.002	<0.0001				<0.002	<0.0001		<0.002	-
Bromomethane	mg.l-1	<0.001	No WSV	23	0.001	<0.001	0		<0.001	<0.001					<0.001	<0.001				<0.001	<0.001	<0.001	<0.001				<0.001	<0.001		<0.001	-
Chloroethane	mg.l-1	<0.003	No WSV	23	<0.003	0.018	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				0.013	0.018		<0.003	-
Trichlorofluoromethane	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
1,1-Dichloroethene (1,1 DCE)	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
Dichloromethane (DCM)	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
trans-1-2-Dichloroethene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
1,1-Dichloroethane	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
cis-1-2-Dichloroethene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
2,2-Dichloropropane	mg.l-1	<0.001	No WSV	23	0.001	<0.001	0		<0.001	<0.001					<0.001	<0.001				<0.001	<0.001	<0.001	<0.001				<0.001	<0.001		<0.001	-
Bromochloromethane	mg.l-1	<0.002	No WSV	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
Chloroform	mg.l-1	<0.002	0.0025	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
1,1,1-Trichloroethane	mg.l-1	<0.002	0.1	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
1,1-Dichloropropene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
Carbon tetrachloride	mg.l-1	<0.002	0.012	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
1,2-Dichloroethane	mg.l-1	<0.002	0.01	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
Benzene	mg.l-1	<0.001	0.01	55	<0.001	178.672	36	BH11, RTD; BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12-01, MG/RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; BH23-04, MG; BH23-04, MG; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-03 , MG; WS12-03 , MG; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08 , MG/ALV	20.536	28.047	43	51	21	2.7	119.138	71.983	0.0032	0.0077	0.0088	0.359	0.208	14.41	6.011	110	140	0.012	137.749	178.672	<0.001	0.003 -
Trichloroethene (TCE)	mg.l-1	<0.003	No WSV	23	<0.003	0.009	0		0.009	0.009					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
1,2-Dichloropropane	mg.l-1	<0.002	N/A	23	<0.002	0.058	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
Dibromomethane	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
Bromodichloromethane	mg.l-1	<0.002	N/A	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
cis-1-3-Dichloropropene	mg.l-1	<0.002	No WSV	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
Toluene	mg.l-1	<0.002	0.074	55	0.001	28.928	29	BH11, RTD; BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12-01, MG/RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH23-04, MG; BH23-04, MG; BH23-04, MG; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08 , MG/ALV	4.477	3.81	2.3	4.5	7.3	2.2	10.371	11.83	<0.001	0.001	<0.001	0.007	<0.002	3.723	0.408	6.8	16	7.6	25.455	28.928	<0.001	0.003 -
trans-1-3-Dichloropropene	mg.l-1	<0.002	No WSV	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
1,1,2-Trichloroethane	mg.l-1	<0.002	0.4	23	<0.002	0.082	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
Tetrachloroethene (PCE)	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
1,3-Dichloropropane	mg.l-1	<0.002	No WSV	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
Dibromochloromethane	mg.l-1	<0.002	N/A	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
1,2-Dibromoethane	mg.l-1	<0.002	N/A	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
Chlorobenzene	mg.l-1	<0.002	N/A	23	<0.002	0.15	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
1,1,1,2-Tetrachloroethane	mg.l-1	<0.002	No WSV	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
Ethylbenzene	mg.l-1	<0.002	0.02	55	<0.001	4.5	31	BH11, RTD; BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12-01, MG/RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; BH23-04, MG; BH23-04, MG; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV	1.061	0.665	<0.001	4.2	2.5	0.026	0.818	1.131	<0.001	<0.001	<0.001	<0.002	<0.002	0.297	0.05	0.12	3.3	0.075	0.583	0.613	<0.001	<0.002	-
p/m-Xylene	mg.l-1	<0.003	No WSV	55	<0.001	21	0		2.895	1.86	1.7	19	3.8	0.69	4.382	5.359	<0.001	<0.001	<0.001	<0.003	<0.003	1.288	0.163	0.6	13	0.33	4.058	4.013	<0.001	<0.003	-
o-Xylene	mg.l-1	<0.002	See Xylenes (total)	55	0.001	12	0		1.73	1.208	1.1	11	4.1	0.49	2.12	2.658	<0.001	<0.001	<0.001	<0.002	<0.002	0.623	0.088	0.27	5.6	0.17	1.49	1.457	<0.001	<0.002	-

Assessment Criteria :	Manual SSAC
CaCO (mg/l):	150.00
Calcium (mg/l):	0.00
pH	0.00
DOC (mg/l)	0.00
Catchment area:	Thames

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	WS12-01	WS12-01	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-03	WS12-03	WS12-03	WS12-03	WS12-03	WS12-06	WS12-06	WS12-07	WS12-07	WS12-07	WS12-07	WS12-07	WS12-08	WS12-08	WS12-08
									WS12-01	WS12-01	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-03	WS12-03	WS12-03	WS12-03	WS12-03	WS12-06	WS12-06	WS12-07	WS12-07	WS12-07	WS12-07	WS12-07	WS12-08	WS12-08	WS12-08
											2.50m	2.00m	2.00m	2m			2.00m	2.00m	2m					3.00m	4.00m	4m			2m		
									14/02/2013	27/02/2013	11/05/2023	07/06/2023	07/06/2023	06/07/2023	14/02/2013	27/02/2013	11/05/2023	07/06/2023	06/07/2023	14/02/2013	27/02/2013	14/02/2013	27/02/2013	11/05/2023	07/06/2023	06/07/2023	14/02/2013	27/02/2013	08/06/2023	14/02/2013	27/02/2013
									MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG	MG	MG	MG	MG	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV
Styrene	mg.l-1	<0.002	0.05	23	<0.002	2.082	6	BH11, RTD; BH12, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; WS12-01 , MG/ALV; WS12-02 , MG/ALV	<0.002	0.171					<0.002	0.295				<0.002	<0.002	<0.002	0.014				<0.002	<0.002		<0.002	-
Bromoform	mg.l-1	<0.002	N/A	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
Isopropylbenzene	mg.l-1	<0.003	No WSV	23	<0.003	0.361	0		0.056	0.027					0.033	0.039				<0.003	<0.003	0.034	0.005				0.065	0.059		<0.003	-
1,1,2,2-Tetrachloroethane	mg.l-1	<0.004	No WSV	23	0.004	<0.004	0		<0.004	<0.004					<0.004	<0.004				<0.004	<0.004	<0.004	<0.004				<0.004	<0.004		<0.004	-
Bromobenzene	mg.l-1	<0.002	No WSV	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
1,2,3-Trichloropropane	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
Propylbenzene	mg.l-1	<0.003	No WSV	23	<0.003	0.183	0		0.183	0.068					0.041	0.046				<0.003	<0.003	0.037	0.004				0.013	0.012		<0.003	-
2-Chlorotoluene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
1,3,5-Trimethylbenzene	mg.l-1	<0.003	No WSV	23	<0.003	0.538	0		0.444	0.175					0.179	0.213				<0.003	<0.003	0.166	0.014				0.062	0.072		<0.003	-
4-Chlorotoluene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
tert-Butylbenzene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
1,2,4-Trimethylbenzene	mg.l-1	<0.003	No WSV	23	<0.003	1.617	0		1.617	0.773					0.718	0.711				<0.003	<0.003	0.504	0.047				0.173	0.197		<0.003	-
sec-Butylbenzene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
4-Isopropyltoluene	mg.l-1	<0.003	No WSV	23	<0.003	0.083	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	0.014	<0.003				0.004	<0.003		<0.003	-
1,3-Dichlorobenzene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
1,4-Dichlorobenzene	mg.l-1	<0.003	0.02	23	<0.003	0.029	1	BH12, RTD	<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
n-Butylbenzene	mg.l-1	<0.003	No WSV	23	<0.003	0.062	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	0.019	<0.003				<0.003	<0.003		<0.003	-
1,2-Dichlorobenzene	mg.l-1	<0.003	0.02	23	<0.003	0.021	1	BH12, RTD	<0.003	<0.003					<0.003	<0.003				<0.003	0.009	<0.003	<0.003				<0.003	<0.003		<0.003	-
1,2-Dibromo-3-chloropropane	mg.l-1	<0.002	N/A	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
1,2,4-Trichlorobenzene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
Hexachlorobutadiene	mg.l-1	<0.003	0.0006	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
Naphthalene	mg.l-1	<0.002	0.002	23	<0.002	20.503	17	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-03 , MG; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV	7.697	9.057					2.5	8.301				<0.002	0.015	2.798	0.709				1.434	1.573		<0.002	-
1,2,3-Trichlorobenzene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
Methyl Tertiary Butyl Ether	mg.l-1	<0.001	No WSV	24	0.0001	<0.001	0		<0.001	<0.001					<0.001	<0.001				<0.001	<0.001	<0.001	<0.001				<0.001	<0.001		<0.001	<0.001
Trichloromethane	mg.l-1	0.001	0.0025	0	0	0	0																								
1,1-Dichloropropene	mg.l-1	0.001	No WSV	0	0	0	0																								
Tetrachloromethane	mg.l-1	0.001	0.012	0	0	0	0																								
Benzene	mg.l-1	<0.001	0.01	24	<0.001	178.672	19	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-03 , MG; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV	20.536	28.047					119.138	71.983				0.359	0.208	14.41	6.011				137.749	178.672		0.003	<0.001
Toluene	mg.l-1	<0.002	0.074	24	<0.002	28.928	14	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV	4.477	3.81					10.371	11.83				0.007	<0.002	3.723	0.408				25.455	28.928		0.003	<0.002
Ethylbenzene	mg.l-1	<0.002	0.02	24	<0.002	3.9405	17	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV	1.061	0.665					0.818	1.131				<0.002	<0.002	0.297	0.05				0.583	0.613		<0.002	<0.002
p/m-Xylene	mg.l-1	<0.003	No WSV	24	<0.003	5.359	0		2.895	1.86					4.382	5.359				<0.003	<0.003	1.288	0.163				4.058	4.013		<0.003	<0.003
o-Xylene	mg.l-1	<0.002	See Xylenes (total)	24	<0.002	2.658	0		1.73	1.208					2.12	2.658				<0.002	<0.002	0.623	0.088				1.49	1.457		<0.002	<0.002
Surrogate Recovery Toluene D8	mg.l-1	<0	No WSV	4	108	151	0																								
Surrogate Recovery 4-Bromofluorobenzene	mg.l-1	<0	No WSV	4	118	129	0																								
EPH (C8-C40)	mg.l-1	<0.01	No WSV	24	<0.01	242.32	0		45.6	48.96					120.3	130.52				0.61	1.31	24.5	8.49				215.6	242.32		<0.01	-
Total BTEX	mg.l-1	0.001	No WSV	32	<0.001	180	0				48	89	38	6			0.0032	0.0087	0.0088					120	180	8.2			<0.001		
TPH CWG																															
Aliphatics																															
>C5-C6	mg.l-1	<0.005	No WSV	55	<0.0001	4.932	0		1.711	1.74	<0.0001	<0.0001	<0.0001	0.11	0.557	1.016	<0.0001	<0.0001	<0.0001	0.143	<0.005	0.694	0.784	<0.0001	<0.0001	0.17	3.981	4.932	<0.0001	<0.005	<0.005
>C6-C8	mg.l-1	<0.005	No WSV	55	<0.0001	157.967	0		<0.005	<0.005	<0.0001	<0.0001	<0.0001	0.03	<0.005	<0.005	<0.0001	<0.0001	<0.0001	0.039	0.051	<0.005	<0.005	0.21	<0.0001	0.09	157.967	<0.005	<0.0001	<0.005	<0.005
>C8-C10	mg.l-1	<0.005	No WSV	55	<0.0001	13.464	0		3.534	1.201	<0.0001	<0.0001	<0.0001	0.14	13.464	4.157	<0.0001	<0.0001	<0.0001	0.11	0.104	1.107	0.759	1.4	0.71	0.17	11.259	11.207	<0.0001	<0.005	<0.005
>C10-C12	mg.l-1	<0.005	No WSV	56	<0.0001	21	0		0.101	0.057	<0.0001	<0.0001	<0.0001	<0.0001	0.096	0.056	<0.0001	<0.0001	<0.0001	<0.005	<0.005	<0.005	<0.005	0.047	0.021	<0.0001	<0.005	<0.005	<0.0001	<0.005	<0.005
>C12-C16	mg.l-1	<0.01	No WSV	56	<0.0001	36	0		<0.01	0.13	<0.0001	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.01	<0.01
>C16-C21	mg.l-1	<0.01	No WSV	56	<0.0001	48	0		<0.01	0.11	<0.0001	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.01	<0.01
>C21-C35	mg.l-1	<0.01	No WSV	56	<0.0001	25	0		<0.01	<0.01	<0.0001	<0.0001	<0.0001	0.073	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.01	<0.01	<0.0001	<0.0001	0.06	<0.01	<0.01	<0.0001	<0.01	<0.01
Aliphatic TPH >C35-C44	mg.l-1	0.0001	0.01	31	<0.0001	2.5	1	BH12-01, MG/RTD			<0.0001	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001	<0.0001					<0.0001	<0.0001	<0.0001			<0.0001		
Total aliphatics C5-35	mg.l-1	<0.01	No WSV	24	<0.01	173.21	0		5.35	3.24					14.12	5.23				0.29	0.16	1.8	1.54				173.21	16.14		<0.01	<0.01
Total aliphatics C5-C12	mg.l-1	<0.01	No WSV	23	<0.01	173.21	0		5.35 3						14.12	5.23				0.29	0.16	1.8	1.54				173.21	16.14		<0.01	<0.01
Total aliphatics >C12-C35	mg.l-1	<0.01	No WSV	25	<0.01	0.77	0		<0.01	0.24					<0.01	<0.01				<0.01	<0.01	<0.01	<0.01				<0.01	<0.01		<0.01	<0.01
Total Aliphatic Hydrocarbons	mg.l-1	0.005	No WSV	31	<0.005	150	0				<0.005	<0.005	<0.005	0.35			<0.005	<0.005	<0.005					1.7	0.73	0.49			<0.005		
Aromatics																															
>C5-EC7	mg.l-1	<0.005	No WSV	55	<0.0001	173.847	0		24.28	30.009	0.78	0.081	<0.0001	5.4	68.284	92.974	<0.0001	<0.0001	<0.0001	0.288	0.209	15.425	4.948	1.3	1.5	36	2.094	173.847	<0.0001	<0.005	<0.005
>EC7-EC8	mg.l-1	<0.005	No WSV	55	<0.0001	64	0		2.542	2.747	2.3	0.53	0.67	1.3	9.544	12.5	<0.0001	<0.0001	<0.0001	<0.005	<0.005	2.099	0.334	15	27	1.9	25.734	24.761	<0.0001	<0.005	<0.005
>EC8-EC10	mg.l-1	<0.005	No WSV	55	<0.0001	72	0		2.893	2.836	9.2	1.4	1.3	17	5.607	6.94	<0.0001	<0.0001	<0.0001	0.02	0.022	1.106	0.286	15	24	17	3.876	3.431	<0.0001	0.176	<0.005
>EC10-EC12	mg.l-1	<0.005	No WSV	56	<0.0001	160	0		1.799	3.343	2.3	0.82	1.6	6.4	2.625	4.384	<0.0001	<0.0001	<0.0001	<0.005	<0.005	1.344	0.45	12	15	5	4.628	5.497	<0.0001	<0.005	<0.005
>EC12-EC16	mg.l-1	<0.01	No WSV	56	<0.0001	380	0		1.32	2.53	2.9	0.85	2.4	3.5	1.14	1.78	<0.0001	<0.0001	<0.0001	<0.01	<0.01	1.33	0.66	5.5	9.7	3.6	1.76	1.9	<0.0001	<0.01	<0.01
>EC16-EC21	mg.l-1	<0.01	No WSV	56	<0.0001	270	0		0.14	0.93	0.042	<0.0001	0.44	0.28	0.09	0.09	<0.0001	<0.0001	<0.0001	<0.01	<0.01	0.26	0.23	3.4	6.7	1.4	<0.01	0.03	<0.0001	<0.01	<0.01
>EC21-EC35	mg.l-1	<0.01	No WSV	56	<0.0001	190	0		<0.01	0.29	0.1	<0.0001	0.031	0.085	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.01	<0.01	0.066	0.81	0.39	<0.01	<0.01	<0.0001	<0.01	<0.01
Aromatic TPH >C35-C44	mg.l-1	0.0001	0.01	31	<0.0001	<0.0001	0				<0.0001	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001	<0.0001					<0.0001	<0.0001	<0.0001			<0.0001		
Total aromatics C5-35	mg.l-1	<0.01	No WSV	24	<0.01	209.47	0		32.97	42.69					87.29	118.67				0.31	0.23	21.56	6.91				38.09	209.47		0.18	<0.01
Total aromatics C6-C12	mg.l-1	<0.01	No WSV	24	<0.01	207.54	0		31.51	38.94					86.06	116.8				0.31	0.23	19.97	6.02				36.33	207.54		0.18	<0.01
Total aromatics >EC12-EC35	mg.l-1	<0.01	No WSV	25	<0.01	7.9	0		1.46	3.75					1.23	1.87				<0.01	<0.01	1.59	0.89				1.76	1.93		<0.01	<0.01
Total aliphatics and aromatics(C5-35)	mg.l-1	<0.01	No WSV	24	<0.01	225.61	0		38.32	45.93					101.41	123.9				0.6	0.39	23.36	8.45				211.3	225.61		0.18	<0.01
Total Aromatic Hydrocarbons	mg.l-1	0.005	No WSV	31	<0.005	1100	0				18	3.7	6.4	34			<0.005	<0.005	<0.005					52	85	65			<0.005		
Total Petroleum Hydrocarbons	mg.l-1	0.01	No WSV	31	<0.01	1300	0				18	3.7	6.4	35			<0.01	<0.01	<0.01					53	85	66			<0.01		
PCB																															
PCB 28	mg.l-1	0.00001	No WSV	0	0	0	0																								
PCB 52	mg.l-1	0.00001	No WSV	0	0	0	0																								
PCB 90+101	mg.l-1	0.00001	No WSV	0	0	0	0																								
PCB 118	mg.l-1	0.00001	No WSV	0	0	0	0																								
PCB 153	mg.l-1	0.00001	No WSV	0	0	0	0																								
PCB 138	mg.l-1	0.00001	No WSV	0	0	0	0																								
PCB 180	mg.l-1	0.00001	No WSV	0	0	0	0																								
Total PCBs (7 congeners)	mg.l-1	0.00001	No WSV	0	0	0	0																								
Resorcinol	mg.l-1	<0.0005	No WSV	56	<0.0005	0.15	0		<0.005	<0.005	0.11	0.12	<0.005	<0.005	0.0381	0.0623	<0.005	<0.005	<0.005	<0.0005	<0.0005	0.0107	<0.0005	<0.005	<0.005	<0.005	0.031	<0.0005	<0.005	<0.0005	-
Catechol	mg.l-1	<0.0005	No WSV	24	<0.0005	0.0466	0		<0.005	<0.005					0.0073	0.0466				<0.0005	<0.0005	<0.0005	<0.0005				0.0071	0.0304		<0.0005	-

Assessment Criteria :	Manual SSAC																																	
CaCO (mg/l):	150.00								pH	0.00																								
Calcium (mg/l):	0.00								DOC (mg/l)	0.00								Catchment area:	Thames													
Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	WS12-01	WS12-01	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-03	WS12-03	WS12-03	WS12-03	WS12-03	WS12-06	WS12-06	WS12-07	WS12-07	WS12-07	WS12-07	WS12-07	WS12-08	WS12-08	WS12-08
									WS12-01	WS12-01	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-03	WS12-03	WS12-03	WS12-03	WS12-03	WS12-06	WS12-06	WS12-07	WS12-07	WS12-07	WS12-07	WS12-07	WS12-08	WS12-08	WS12-08
												2.50m	2.00m	2.00m	2m			2.00m	2.00m	2m				3.00m	4.00m	4m			2m		
									14/02/2013	27/02/2013	11/05/2023	07/06/2023	07/06/2023	06/07/2023	14/02/2013	27/02/2013	11/05/2023	07/06/2023	06/07/2023	14/02/2013	27/02/2013	14/02/2013	27/02/2013	11/05/2023	07/06/2023	06/07/2023	14/02/2013	27/02/2013	08/06/2023	14/02/2013	27/02/2013
									MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG	MG	MG	MG	MG	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV
Phenol	mg.l-1	<0.0005	0.0077	56	<0.0005	12	39	BH11, RTD; BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12-01, MG/RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH12-03 , ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; BH12-06 , ALV/RTD/LC; BH23-04, MG; BH23-04, MG; BH23-04, MG; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-03 , MG; WS12-03 , MG; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV	0.3174	0.4648	1.6	1.9	0.23	1	1.4254	1.417	0.006	0.005	0.007	0.0126	0.0134	0.6684	0.1031	1.1	1.4	0.57	2.0784	2.3317	<0.005	<0.0005	-
m/p-cresol	mg.l-1	<0.0005	No WSV	56	<0.0005	33	0		1.0556	1.3405	1.9	2.4	0.15	1.4	2.4341	2.4051	<0.005	<0.005	<0.005	0.0149	0.0133	0.9971	0.0724	0.27	0.34	0.097	0.7792	0.6887	<0.005	<0.0005	-
o-cresol	mg.l-1	<0.0005	No WSV	56	<0.0005	12	0		1.2697	1.5665	2	2.1	0.96	1.9	2.8824	2.9005	0.019	<0.005	<0.005	0.0139	0.0131	1.1823	0.0711	0.1	0.14	0.035	0.434	0.3754	<0.005	<0.0005	-
Total cresols	mg.l-1	<0.0005	No WSV	56	<0.0005	6.5224	0		2.3253	2.907	<0.005	<0.005	<0.005	<0.005	5.3165	5.3056	<0.005	<0.005	<0.005	0.0288	0.0284	2.1794	0.1435	<0.005	<0.005	<0.005	1.2132	1.0641	<0.005	<0.0005	-
Xylenols	mg.l-1	<0.0005	No WSV	24	<0.0005	4.8534	0		3.7106	3.7977					4.8534	3.8913				0.2354	0.0721	2.3036	0.2579				0.3744	0.2505		<0.0005	-
1-naphthol	mg.l-1	<0.0005	No WSV	24	<0.0005	0.0528	0		<0.0005	<0.005					<0.0005	<0.0005				0.0124	<0.0005	0.0506	<0.0005				0.0009	<0.0005		<0.0005	-
2,3,5-trimethyl phenol	mg.l-1	<0.0005	No WSV	24	<0.0005	0.0289	0		0.0289	<0.005					0.0074	<0.0005				<0.0005	<0.0005	0.02	<0.0005				<0.0005	<0.0005		<0.0005	-
2-isopropylphenol	mg.l-1	<0.0005	No WSV	24	<0.0005	0.1508	0		<0.0005	<0.005					<0.0005	0.042				<0.0005	<0.0005	0.1508	0.0308				<0.0005	<0.0005		<0.0005	-
Total Speciated Phenols HPLC	mg.l-1	<0.005	No WSV	56	<0.005	58	0		6.382	7.17	5.6	6.6	1.3	4.3	11.648	10.765	<0.03	<0.03	<0.03	0.289	0.112	5.384	0.535	1.5	1.9	0.7	3.705	3.677	<0.03	<0.005	-
Germanium	mg.l-1	0.001	No WSV	0	0	0	0																									
Trimethylphenols	mg.l-1	0.0050	No WSV	24	<0.005	0.89	0				<0.005	<0.005	<0.005				<0.005	<0.005						<0.005	<0.005				<0.005		

Assessment Criteria : *Drinking Water Standard England and Wales/WHO*

CaCO (mg/l): 150.00 **pH** 0.00
Calcium (mg/l): 0.00 **DOC (mg/l)** 0.00 **Catchment area:** Avon/Hants

									Location	BH11	BH11	BH11	BH11	BH12	BH12	BH12	BH12	BH12	BH12-01	BH12-02D	BH12-02D	BH12-03	BH12-04	BH12-04	BH12-04	BH12-04	BH12-04	BH12-05	BH12-05	BH12-05	BH12-05	BH12-05	BH12-06	BH12-06	BH12-06	BH12-06	BH23-03	BH23-04	BH23-04	BH23-04	BH23-05	WS12-01	WS12-01
									Sample ID	BH11	BH11	BH11	BH11	BH12	BH12	BH12	BH12	BH12	BH12-01	BH12-02D	BH12-02D	BH12-03	BH12-04	BH12-04	BH12-04	BH12-04	BH12-04	BH12-05	BH12-05	BH12-05	BH12-05	BH12-05	BH12-06	BH12-06	BH12-06	BH12-06	BH23-03	BH23-04	BH23-04	BH23-04	BH23-05	WS12-01	WS12-01
									Depth			4.0m	4.00m			6.00m	6.00m	6m	3m				5.0m	5m	5m			5.00m	6m	6m			5.50m	5.5m			0.8m	3.0m	4.00m	4m		2.50m	2m
									Date	20/05/2013	28/05/2013	10/05/2023	07/06/2023	20/05/2013	28/05/2013	11/05/2023	07/06/2023	06/07/2023	08/06/2023	14/02/2013	27/02/2013	14/02/2013	10/05/2023	08/06/2023	06/07/2023	14/02/2013	27/02/2013	11/05/2023	08/06/2023	06/07/2023	14/02/2013	28/02/2013	07/06/2023	04/07/2023	14/02/2013	28/02/2013	10/05/2023	10/05/2023	07/06/2023	06/07/2023	10/05/2023	11/05/2023	06/07/2023
									Strata	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	MG/RTD	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	MG	MG	MG	MG	MG	MG/ALV	MG/ALV
Constituents	**Unit**	**Limit of Detection**	**Generic Assessment Criteria**	**Number of Samples**	**Minimum Value**	**Maximum Value**	**Number of Exceedences**	**Locations of Exceedences**	Zone																																		
pH	pH units	<0.01	6.5-9.5	24	2.46	7.55	3	BH12-02D, ALV/RTD/LC; WS12-07, MG/ALV; WS12-07, MG/ALV		7.33	7.26			6.93	7.17					5.93	6.86	6.69				7.22	7.16				7.02	7.55			6.94	7.08							
Electrical Conductivity (at 25C)	uS.cm-1	<2	No WSV	54	388	19608	0			2921	2790	1500	970	2905	388	4200	3800	3800		1051	2142	2704	2200	2200	2100	3077	3144	1900	2000	2000	2662	2753	1600	1600	2047	2061	3800	2000	4000	3900	1300	2500	2600
Total Suspended Solids	mg.l-1	<10	N/A	54	<5	2300	1	BH12-03, ALV/RTD/LC		46	50	37	<5	38	111	57	72	190		11	76	NDP	49	62	18	51	56	160	63	50	34	21	29	19	1135	38	1000	240	430	250	2300	15	87
Dissolved Organic Carbon	mg.l-1	<2	No WSV	24	11	677	0			52	41			82	24					124	170	143				50	200				17	32			13	16							
Thiocyanate	mg.l-1	<0.02	No WSV	54	<0.02	32.74	0			0.06	0.12	<0.5	<0.5	0.45	<0.02	<0.5	<0.5	<0.5		0.03	0.06	0.62	<0.5	<0.5	<0.5	0.19	0.19	<0.5	<0.5	<0.5	0.08	<0.02	<0.5	<0.5	<0.02	<0.02	<0.5	13	<0.5	12	1.7	8.9	9.3
Sulphide	mg.l-1	<0.3	No WSV	55	<0.05	<0.3	0			<0.3	<0.3	<0.05	<0.05	<0.3	<0.3	<0.05	<0.05	<0.05	U/S	<0.3	<0.3	<0.3	<0.05	<0.05	<0.05	<0.3	<0.3	<0.05	<0.05	<0.05	<0.3	<0.3	<0.05	<0.05	<0.3	<0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ammonium	mg.l-1	<0.05	0.5	30	0.054	110	28	BH11, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12-04, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-06, ALV/RTD/LC; BH12-06, ALV/RTD/LC; BH23-03, MG; BH23-04, MG; BH23-04, MG; BH23-04, MG; BH23-05, MG; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-03, MG; WS12-03, MG; WS12-03, MG; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-08, MG/ALV				31	0.16			18	25	33					20	23	27			5.6	6.3	7.6			5.5	5.4			1.5	92	1.4	110	0.59	45	64
Ammoniacal Nitrogen as NH4	mg.l-1	<0.03	0.5	24	0.68	104.83	24	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH12-03, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-06, ALV/RTD/LC; BH12-06, ALV/RTD/LC; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-03, MG; WS12-03, MG; WS12-06, MG/ALV; WS12-06, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-08, MG/ALV		38.03	53.99			31.94	0.68					2.04	17.19	86.9				34.53	41.27				24.51	24.67			7.63	7.21							
Complex Cyanide	mg.l-1	<0.01	No WSV	54	0.01	1.99	0			0.1	0.19	<0.05	<0.05	0.28	0.01	0.4	<0.05	0.34		0.02	0.05	0.23	<0.05	0.06	0.12	0.16	0.13	0.12	0.07	0.1	0.1	0.1	<0.05	<0.05	0.13	0.09	0.15	0.97	<0.05	0.9	1.3	0.53	0.57
Total Cyanide	mg.l-1	<0.005	0.05	54	0.01	1.989	41	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; BH12-03, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-06, ALV/RTD/LC; BH12-06, ALV/RTD/LC; BH23-03, MG; BH23-04, MG; BH23-04, MG; BH23-05, MG; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-03, MG; WS12-03, MG; WS12-03, MG; WS12-03, MG; WS12-06, MG/ALV; WS12-06, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-08, MG/ALV		0.096	0.186	<0.05	<0.05	0.283	0.01	0.4	<0.05	0.34		0.02	0.059	0.227	<0.05	0.06	0.12	0.163	0.132	0.12	0.07	0.1	0.103	0.097	<0.05	<0.05	0.129	0.177	0.15	0.97	<0.05	0.9	1.3	0.53	0.57
Free Cyanide	mg.l-1	<0.005	See Cyanide (total)	54	0.005	0.088	0			<0.005	<0.005	<0.05	<0.05	<0.005	<0.005	<0.05	<0.05	<0.05		<0.005	0.005	<0.005	<0.05	<0.05	<0.05	<0.005	<0.005	<0.05	<0.05	<0.05	<0.005	<0.005	<0.05	<0.05	<0.005	0.088	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chloride	mg.l-1	<0.3	250	54	19	4126	21	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05, ALV/RTD/LC; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-03, MG; WS12-03, MG; WS12-03, MG; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-08, MG/ALV		348.7	302.3	77	78	273.6	25.1	1000	860	820		201.7	364.3	160	160	160	150	347.6	333.5	220	200	210	267.3	276.5	180	190	172.6	156.9	21	62	61	62	21	280	260
Sulphate	mg.l-1	<0.05	250	54	<1	6958.93	40	BH11, RTD; BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12-03, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-06, ALV/RTD/LC; BH12-06, ALV/RTD/LC; BH12-06, ALV/RTD/LC; BH12-06, ALV/RTD/LC; BH23-03, MG; BH23-04, MG; BH23-04, MG; BH23-04, MG; BH23-05, MG; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-02, MG/ALV; WS12-03, MG; WS12-03, MG; WS12-03, MG; WS12-03, MG; WS12-03, MG; WS12-06, MG/ALV; WS12-06, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-08, MG/ALV; WS12-08, MG/ALV		319.15	321.26	99	260	371.26	27.24	310	280	250		21.65	33.24	495.16	<1	<1	17	101.98	81.81	380	400	380	302.7	309.99	320	290	304.36	279.74	830	2300	2400	2200	1300	530	400
Total Hardness Dissolved (as CaCO3)	mg.l-1	<1	No WSV	21	176	1909	0													176	544	1090				1374	1372				1262	1295			924	973							
Total Dissolved Sulphur	mg.l-1	<0.01	No WSV	54	<1	2275	0			116.9	82.39	33	87	138.8	8.04	100	93	83		8.03	10.22	205.4	<1	<1	5.7	35.05	35.78	130	130	130	84.37	52.31	110	97	92.63	45.5	280	760	800	730	430	180	130
Chemical Oxygen Demand	mg O2/l	10	No WSV	8	25	1500	0											80							93					25										1500			280
Total Organic Carbon	mg.l-1	2.0	No WSV	49	4.9	500	0					53	4.9			84	30	61		53	22	130	130	30	140	30	9.7	13	13	11	84	13	11	18	68	240	9.7	460	500		30	130	100
Metals																																											
Dissolved Arsenic	mg.l-1	<0.0009	0.01	54	0.0003	0.5802	19	BH11, RTD; BH12, RTD; BH12-05, ALV/RTD/LC; BH23-04, MG; BH23-04, MG; BH23-04, MG; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-03, MG; WS12-03, MG; WS12-03, MG; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV		0.0144	<0.0009	0.0032	0.0052	0.0181	<0.0009	0.0015	0.0027	0.002		0.0061	<0.0009	0.0081	0.0011	0.00065	0.00096	<0.0009	0.0041	0.00041	0.0003	0.00052	<0.0009	0.0134	0.00066	0.00039	<0.0009	<0.0009	0.0063	0.093	0.22	0.083	0.004	0.33	0.36
Dissolved Cadmium	mg.l-1	<0.00003	0.005	54	0.00003	0.2311	2	WS12-07, MG/ALV; WS12-07, MG/ALV		0.00004	0.00023	<0.00011	0.00012	<0.00003	0.00058	<0.00011	<0.00011	<0.00011		0.00003	<0.00003	0.00006	<0.00011	<0.00011	<0.00011	<0.00003	0.00006	<0.00011	<0.00011	<0.00011	<0.00003	<0.00003	<0.00011	<0.00011	<0.00003	<0.00003	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011
Total Dissolved Chromium	mg.l-1	<0.0002	0.05	54	<0.0002	0.5326	2	WS12-07, MG/ALV; WS12-07, MG/ALV		0.0049	0.0005	0.00058	<0.0005	0.0005	0.0014	0.00095	0.00099	0.00079		0.002	<0.0002	0.0011	0.0016	0.0011	0.0014	<0.0002	0.0006	0.00055	<0.0005	<0.0005	0.0007	0.0011	0.00058	<0.0005	<0.0002	<0.0002	<0.0005	0.0067	0.012	0.0053	<0.0005	0.0016	0.0017
Dissolved Copper	mg.l-1	<0.003	2	54	<0.0005	0.248	0			<0.003	<0.003	<0.0005	0.011	<0.003	0.013	0.00051	<0.0005	<0.0005		0.007	<0.003	<0.003	<0.0005	<0.0005	<0.0005	<0.003	<0.003	0.0039	0.0015	0.00075	<0.003	<0.003	<0.0005	0.00063	<0.003	<0.003	0.002	<0.0005	<0.0005	<0.0005	0.00096	<0.0005	<0.0005
Total Dissolved Iron	mg.l-1	<0.0047	No WSV	54	0.0067	1131	0			0.1696	0.1758	0.074	0.0067	0.3146	0.6821	0.22	0.26	0.24		0.9654	0.4565	0.7742	0.071	0.065	0.15	0.0979	0.2301	0.059	0.07	0.14	0.0621	0.0427	0.059	0.063	9.005	0.1255	0.08	36	160	12	0.63	0.4	0.49
Dissolved Lead	mg.l-1	<0.0004	0.01	54	<0.0004	0.3251	10	BH11, RTD; BH11, RTD; BH12, RTD; WS12-02, MG/ALV; WS12-03, MG; WS12-06, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV		0.0103	0.0079	<0.0005	0.013	0.022	0.0045	<0.0005	<0.0005	<0.0005		0.0032	0.0069	0.0053	<0.0005	<0.0005	<0.0005	0.0019	0.0034	<0.0005	<0.0005	<0.0005	0.0017	0.0038	<0.0005	<0.0005	<0.0004	0.0085	0.00094	<0.0005	<0.0005	<0.0005	0.0082	<0.0005	<0.0005
Dissolved Nickel	mg.l-1	<0.0002	0.02	54	0.0012	0.66	12	BH11, RTD; BH11, RTD; BH12-03, ALV/RTD/LC; BH23-04, MG; BH23-04, MG; BH23-04, MG; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-08, MG/ALV		0.0308	0.0254	0.012	0.0033	0.0193	0.0094	0.0034	0.0036	0.0036		0.0085	0.0095	0.0334	0.0078	0.0078	0.0073	0.0075	0.0102	0.0087	0.0086	0.0072	0.003	0.0036	0.0037	0.0036	0.002	0.0012	0.0047	0.042	0.039	0.042	0.0069	0.0061	0.0064
Dissolved Selenium	mg.l-1	<0.0012	0.01	54	<0.0005	0.027	4	BH23-04, MG; BH23-04, MG; BH23-04, MG; WS12-07, MG/ALV		<0.0012	<0.0012	0.0013	0.0023	<0.0012	<0.0012	0.0017	0.0021	0.0023		<0.0012	<0.0012	<0.0012	0.0013	0.00056	0.0022	<0.0012	<0.0012	0.00074	<0.0005	0.0012	<0.0012	<0.0012	0.0016	0.00097	<0.0012	<0.0012	0.0029	0.013	0.022	0.027	0.0043	0.001	0.00075
Dissolved Zinc	mg.l-1	<0.0015	3	54	<0.0015	7.589	2	WS12-07, MG/ALV; WS12-07, MG/ALV		0.0048	0.0413	0.02	0.074	0.0078	0.1421	0.0029	0.0054	<0.0025		0.1357	<0.0015	0.0126	0.0052	<0.0025	0.0033	<0.0015	<0.0015	0.028	0.011	0.0058	<0.0015	0.0026	0.0054	<0.0025	<0.0015	<0.0015	0.013	0.017	0.025	0.0094	0.01	<0.0025	0.0036
Mercury Dissolved by CVAF	mg.l-1	<0.01	No WSV	54	0.00001	20.57	0			0.00001	0.00012	<0.00005	<0.00005	0.00003	0.00006	<0.00005	<0.00005	<0.00005		0.05	0.04	0.2	<0.00005	<0.00005	<0.00005	0.05	0.07	<0.00005	<0.00005	<0.00005	<0.01	<0.01	<0.00005	<0.00005	**<0.01**	0.01	<0.00005	<0.00005	<0.00005	0.00005	<0.00005	<0.00005	<0.00005
Potassium (Dissolved)	mg.l-1	0.50	No WSV	8	5.6	55	0											32							18					15										32			46
Magnesium (Dissolved)	mg.l-1	0.20	N/A	8	3.4	81	0											72							30					24										81			23
Sodium (Dissolved)	mg.l-1	1.50	No WSV	8	18	380	0											380							120					130										72			180
Cobalt (Dissolved)	mg.l-1	0.0005	No WSV	8	0.00052	0.025	0											0.0011							0.00068					0.00052										0.025			0.0024
Molybdenum (Dissolved)	mg.l-1	0.0002	No WSV	8	0.0005	0.0016	0											0.0016							0.0006					0.0006										0.00063			0.00094
Vanadium (Dissolved)	mg.l-1	0.0005	No WSV	8	<0.0005	0.02	0											0.02							0.011					0.00092										0.0032			0.0041
Calcium (Dissolved)	mg.l-1	2.00	N/A	8	88	780	0											410							380					310										780			300
PAH MS																																											

Assessment Criteria :	Drinking Water Standard England and Wales/WHO
CaCO (mg/l):	150.00
Calcium (mg/l):	0.00
pH	0.00
DOC (mg/l)	0.00
Catchment area:	Avon/Hants

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	Zone	Location	Sample ID	Depth	Date	Strata
Naphthalene	mg.l-1	<0.000014	See BaP	55	<0.000014	98	0			BH11	BH11		20/05/2013	RTD
Acenaphthylene	mg.l-1	<0.000013	See BaP	55	<0.0001	19	0			BH11	BH11		28/05/2013	RTD
Acenaphthene	mg.l-1	<0.000013	See BaP	55	<0.0001	2.6	0			BH11	BH11	4.0m	10/05/2023	RTD
Fluorene	mg.l-1	<0.000014	See BaP	55	<0.000014	7.2	0			BH11	BH11	4.00m	07/06/2023	RTD
Phenanthrene	mg.l-1	<0.000011	See BaP	55	<0.000011	19	0			BH12	BH12		20/05/2013	RTD
Anthracene	mg.l-1	<0.000013	See BaP	55	<0.000013	5.5	0			BH12	BH12		28/05/2013	RTD
Fluoranthene	mg.l-1	<0.000012	See BaP	55	<0.000012	4.9	0			BH12	BH12		11/05/2023	RTD
Pyrene	mg.l-1	<0.000013	See BaP	55	<0.000013	6.9	0			BH12	BH12	6.00m	07/06/2023	RTD
Benzo(a)anthracene	mg.l-1	<0.000015	See BaP	55	<0.000015	1.9	0			BH12	BH12	6.00m	06/07/2023	RTD
Chrysene	mg.l-1	<0.000011	See BaP	55	<0.000011	1.2	0			BH12	BH12	6m	08/06/2023	RTD
Benzo(bk)fluoranthene	mg.l-1	<0.000018	No WSV	24	<0.000018	0.06869	0			BH12	BH12-01	3m	08/06/2023	MG/RTD
Benzo(a)pyrene	mg.l-1	<0.000016	0.00001	55	<0.000016	0.06516	4	BH11, RTD; BH11, RTD; BH12-03 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC		BH12-02D	BH12-02D		14/02/2013	ALV/RTD/LC
Indeno(123cd)pyrene	mg.l-1	<0.000011	See PAH Sum of 4	55	<0.000011	0.03136	0			BH12-02D	BH12-02D		27/02/2013	ALV/RTD/LC
Dibenzo(ah)anthracene	mg.l-1	<0.00001	No WSV	55	<0.00001	0.046	0			BH12-03			14/02/2013	ALV/RTD/LC
Benzo(ghi)perylene	mg.l-1	<0.000011	See PAH Sum of 4	55	<0.000011	0.02051	0			BH12-04		5.0m	10/05/2023	ALV/RTD/LC
PAH 16 Total	mg.l-1	<0.000195	No WSV	55	0.00119	170	0			BH12-04		5m	08/06/2023	ALV/RTD/LC
Benzo(b)fluoranthene	mg.l-1	<0.000011	See PAH Sum of 4	55	0.00001	0.04946	0			BH12-04		5m	06/07/2023	ALV/RTD/LC
Benzo(j)fluoranthene	mg.l-1	<0.00001	See PAH Sum of 4	55	0.00001	0.01923	0			BH12-04			14/02/2013	ALV/RTD/LC
PAH Surrogate % Recovery	mg.l-1	<0	No WSV	4	106	128	0			BH12-04			27/02/2013	ALV/RTD/LC
VOC MS														
Dichlorodifluoromethane	mg.l-1	<0.002	No WSV	23	0.002	<0.002	0			BH12-05		5.00m	11/05/2023	ALV/RTD/LC
Chloromethane	mg.l-1	<0.003	No WSV	23	<0.003	0.012	0			BH12-05		6m	08/06/2023	ALV/RTD/LC
Vinyl Chloride	mg.l-1	<0.002	0.0005	23	0.0001	<0.002	0			BH12-05		6m	06/07/2023	ALV/RTD/LC
Bromomethane	mg.l-1	<0.001	No WSV	23	0.001	<0.001	0			BH12-05			14/02/2013	ALV/RTD/LC
Chloroethane	mg.l-1	<0.003	No WSV	23	<0.003	0.018	0			BH12-05			28/02/2013	ALV/RTD/LC
Trichlorofluoromethane	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0			BH12-06		5.50m	07/06/2023	ALV/RTD/LC
1,1-Dichloroethene (1,1 DCE)	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0			BH12-06		5.5m	04/07/2023	ALV/RTD/LC
Dichloromethane (DCM)	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0			BH12-06			14/02/2013	ALV/RTD/LC
trans-1-2-Dichloroethene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0			BH12-06			28/02/2013	ALV/RTD/LC
1,1-Dichloroethane	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0			BH23-03		0.8m	10/05/2023	MG
cis-1-2-Dichloroethene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0			BH23-04		3.0m	10/05/2023	MG
2,2-Dichloropropane	mg.l-1	<0.001	No WSV	23	0.001	<0.001	0			BH23-04		4.00m	07/06/2023	MG
Bromochloromethane	mg.l-1	<0.002	No WSV	23	0.002	<0.002	0			BH23-04		4m	06/07/2023	MG
Chloroform	mg.l-1	<0.002	See Trihalomethanes	23	0.002	<0.002	0			BH23-05			10/05/2023	MG
1,1,1-Trichloroethane	mg.l-1	<0.002	N/A	23	0.002	<0.002	0			WS12-01		2.50m	11/05/2023	MG/ALV
1,1-Dichloropropene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0			WS12-01		2m	06/07/2023	MG/ALV
Carbon tetrachloride	mg.l-1	<0.002	0.004	23	0.002	<0.002	0							
1,2-Dichloroethane	mg.l-1	<0.002	0.003	23	0.002	<0.002	0							
Benzene	mg.l-1	<0.001	0.001	55	<0.001	178.672	44	BH11, RTD; BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12-01, MG/RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05 , ALV/RTD/LC; BH12-06, ALV/RTD/LC; BH23-03, MG; BH23-04, MG; BH23-04, MG; BH23-05, MG; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-03, MG; WS12-03, MG; WS12-03, MG; WS12-03 , MG; WS12-03 , MG; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08 , MG/ALV		BH12-03			14/02/2013	ALV/RTD/LC
Toluene	mg.l-1	<0.002	0.7	55	0.001	28.928	27	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12-01, MG/RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH23-04, MG; BH23-04, MG; BH23-04, MG; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08 , MG/ALV		BH12-04		5.0m	10/05/2023	ALV/RTD/LC
trans-1-3-Dichloropropene	mg.l-1	<0.002	No WSV	23	0.002	<0.002	0			BH12-04		5m	08/06/2023	ALV/RTD/LC
1,1,2-Trichloroethane	mg.l-1	<0.002	N/A	23	<0.002	0.082	0			BH12-04		5m	06/07/2023	ALV/RTD/LC
Tetrachloroethene (PCE)	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0			BH12-04			14/02/2013	ALV/RTD/LC
1,3-Dichloropropane	mg.l-1	<0.002	No WSV	23	0.002	<0.002	0			BH12-04			27/02/2013	ALV/RTD/LC
Dibromochloromethane	mg.l-1	<0.002	See Trihalomethanes	23	0.002	<0.002	0			BH12-05		5.00m	11/05/2023	ALV/RTD/LC
1,2-Dibromoethane	mg.l-1	<0.002	0.0004	23	0.002	<0.002	0			BH12-05		6m	08/06/2023	ALV/RTD/LC
Chlorobenzene	mg.l-1	<0.002	N/A	23	<0.002	0.15	0			BH12-05		6m	06/07/2023	ALV/RTD/LC
1,1,1,2-Tetrachloroethane	mg.l-1	<0.002	No WSV	23	0.002	<0.002	0			BH12-05			14/02/2013	ALV/RTD/LC
Ethylbenzene	mg.l-1	<0.002	0.3	55	<0.001	4.5	16	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12-01, MG/RTD; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV		BH12-05		5.00m	11/05/2023	ALV/RTD/LC
p/m-Xylene	mg.l-1	<0.003	No WSV	55	<0.001	21	0			BH12-05		6m	08/06/2023	ALV/RTD/LC
o-Xylene	mg.l-1	<0.002	See Xylenes (total)	55	0.001	12	0			BH12-05		6m	06/07/2023	ALV/RTD/LC
Styrene	mg.l-1	<0.002	0.02	23	<0.002	2.082	6	BH11, RTD; BH12, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; WS12-01 , MG/ALV; WS12-02 , MG/ALV		BH12-05			14/02/2013	ALV/RTD/LC
Bromoform	mg.l-1	<0.002	See Trihalomethanes	23	0.002	<0.002	0			BH12-05			28/02/2013	ALV/RTD/LC
Isopropylbenzene	mg.l-1	<0.003	No WSV	23	<0.003	0.361	0			BH12-06		5.50m	07/06/2023	ALV/RTD/LC
1,1,2,2-Tetrachloroethane	mg.l-1	<0.004	No WSV	23	0.004	<0.004	0			BH12-06		5.5m	04/07/2023	ALV/RTD/LC
Bromobenzene	mg.l-1	<0.002	No WSV	23	0.002	<0.002	0			BH12-06			14/02/2013	ALV/RTD/LC
1,2,3-Trichloropropane	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0			BH12-06			28/02/2013	ALV/RTD/LC
Propylbenzene	mg.l-1	<0.003	No WSV	23	<0.003	0.183	0			BH23-03		0.8m	10/05/2023	MG
2-Chlorotoluene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0			BH23-04		3.0m	10/05/2023	MG
1,3,5-Trimethylbenzene	mg.l-1	<0.003	No WSV	23	<0.003	0.538	0			BH23-04		4.00m	07/06/2023	MG
4-Chlorotoluene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0			BH23-04		4m	06/07/2023	MG
tert-Butylbenzene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0			BH23-05			10/05/2023	MG
1,2,4-Trimethylbenzene	mg.l-1	<0.003	No WSV	23	<0.003	1.617	0			WS12-01		2.50m	11/05/2023	MG/ALV
sec-Butylbenzene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0			WS12-01		2m	06/07/2023	MG/ALV
4-Isopropyltoluene	mg.l-1	<0.003	No WSV	23	<0.003	0.083	0							
1,3-Dichlorobenzene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0							
1,4-Dichlorobenzene	mg.l-1	<0.003	0.3	23	<0.003	0.029	0							
n-Butylbenzene	mg.l-1	<0.003	No WSV	23	<0.003	0.062	0							
1,2-Dichlorobenzene	mg.l-1	<0.003	1	23	<0.003	0.021	0							
1,2-Dibromo-3-chloropropane	mg.l-1	<0.002	0.001	23	0.002	<0.002	0							
1,2,4-Trichlorobenzene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0							

Assessment Criteria :	Drinking Water Standard England and Wales/WHO
CaCO (mg/l):	150.00
Calcium (mg/l):	0.00
pH	0.00
DOC (mg/l)	0.00
Catchment area:	Avon/Hants

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	Zone	Location	BH11	BH11	BH11	BH11	BH12	BH12	BH12	BH12	BH12	BH12-01	BH12-02D	BH12-02D	BH12-03	BH12-04	BH12-04	BH12-04	BH12-04	BH12-04	BH12-05	BH12-05	BH12-05	BH12-05	BH12-05	BH12-06	BH12-06	BH12-06	BH12-06	BH23-03	BH23-04	BH23-04	BH23-04	BH23-05	WS12-01	WS12-01
										Sample ID	BH11	BH11	BH11	BH11	BH12	BH12	BH12	BH12	BH12	BH12-01	BH12-02D	BH12-02D	BH12-03	BH12-04	BH12-04	BH12-04	BH12-04	BH12-04	BH12-05	BH12-05	BH12-05	BH12-05	BH12-05	BH12-06	BH12-06	BH12-06	BH12-06	BH23-03	BH23-04	BH23-04	BH23-04	BH23-05	WS12-01	WS12-01
										Depth			4.0m	4.00m			6.00m	6.00m	6m	3m				5.0m	5m	5m			5.00m	6m	6m			5.50m	5.5m			0.8m	3.0m	4.00m	4m		2.50m	2m
										Date	20/05/2013	28/05/2013	10/05/2023	07/06/2023	20/05/2013	28/05/2013	11/05/2023	07/06/2023	06/07/2023	08/06/2023	14/02/2013	27/02/2013	14/02/2013	10/05/2023	08/06/2023	06/07/2023	14/02/2013	27/02/2013	11/05/2023	08/06/2023	06/07/2023	14/02/2013	28/02/2013	07/06/2023	04/07/2023	14/02/2013	28/02/2013	10/05/2023	10/05/2023	07/06/2023	06/07/2023	10/05/2023	11/05/2023	06/07/2023
										Strata	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	MG/RTD	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	ALV/RTD/LC	MG	MG	MG	MG	MG	MG/ALV	MG/ALV
Hexachlorobutadiene	mg.l-1	<0.003	0.0006	23	0.003	<0.003	0				<0.003	<0.003			<0.003	<0.003					<0.003	<0.003	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003					
Naphthalene	mg.l-1	<0.002	See BaP	23	<0.002	20.503	0				3.708	3.07			20.503	0.612					0.418	1.981	-				0.017	0.036				<0.002	<0.002			<0.002	<0.002					
1,2,3-Trichlorobenzene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0				<0.003	<0.003			<0.003	<0.003					<0.003	<0.003	-				<0.003	<0.003				<0.003	<0.003			<0.003	<0.003					
Methyl Tertiary Butyl Ether	mg.l-1	<0.001	No WSV	24	0.0001	<0.001	0				<0.0001	<0.0001			<0.0001	<0.0001					<0.001	<0.001	-				<0.001	<0.001				<0.001	<0.001			<0.001	<0.001					
Trichloromethane	mg.l-1	0.001	See Trihalomethanes	0	0	0	0																																				
1,1-Dichloropropene	mg.l-1	0.001	No WSV	0	0	0	0																																				
Tetrachloromethane	mg.l-1	0.001	0.004	0	0	0	0																																				
Benzene	mg.l-1	<0.001	0.001	24	<0.001	178.672	20	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-03 , MG; WS12-03 , MG; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08 , MG/ALV			68.2	6.2043			18.8443	4.9479					3.084	27.537	-				25.656	12.353				4.521	<0.001			<0.001	<0.001					
Toluene	mg.l-1	<0.002	0.7	24	<0.002	28.928	13	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-06 , MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV			14.25	1.6412			5.107	0.764					0.913	4.419	-				0.069	0.04				0.011	<0.002			<0.002	<0.002					
Ethylbenzene	mg.l-1	<0.002	0.3	24	<0.002	3.9405	11	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV			0.75	0.1871			3.9405	0.3252					0.066	0.294	-				0.492	0.356				0.036	<0.002			<0.002	<0.002					
p/m-Xylene	mg.l-1	<0.003	No WSV	24	<0.003	5.359	0				4.604	1.665			4.956	0.527					0.248	0.64	-				0.021	0.021				<0.003	<0.003			0.01	0.009					
o-Xylene	mg.l-1	<0.002	See Xylenes (total)	24	<0.002	2.658	0				1.326	0.8876			2.5022	0.3304					0.113	0.427	-				0.025	0.022				0.004	<0.002			<0.002	<0.002					
Surrogate Recovery Toluene D8	mg.l-1	<0	No WSV	4	108	151	0				151	126			148	108																											
Surrogate Recovery 4-Bromofluorobenzene	mg.l-1	<0	No WSV	4	118	129	0				123	129			128	118																											
EPH (C8-C40)	mg.l-1	<0.01	No WSV	24	<0.01	242.32	0				96.5	51.38			25.6	19.65					4.5	50.09	86.01				30.6	26.35				6.59	<0.01			0.62	0.05					
Total BTEX	mg.l-1	0.001	No WSV	32	<0.001	180	0						7	<0.001			<0.001	5.2	0.046	160				0.13	0.054	7.1			0.0031	<0.001	0.0031			0.0077	<0.001			0.004	39	59	69	0.0045	27	13
TPH CWG																																											
Aliphatics																																											
>C5-C6	mg.l-1	<0.005	No WSV	55	<0.0001	4.932	0				0.295	0.084	<0.0001	<0.0001	0.362	0.923	<0.0001	<0.0001	<0.0001	<0.0001	0.171	1.324	-	<0.0001	<0.0001	<0.0001	0.229	0.235	<0.0001	<0.0001	<0.0001	0.233	0.109	<0.0001	<0.0001	<0.0001	<0.005	<0.005	<0.0001	<0.0001	<0.0001	0.062		<0.0001	<0.0001
>C6-C8	mg.l-1	<0.005	No WSV	55	<0.0001	157.967	0				<0.005	<0.005	<0.0001	<0.0001	<0.005	<0.005	<0.0001	<0.0001	<0.0001	1.6	<0.005	<0.005	-	<0.0001	0.14	<0.0001	0.894	<0.005	<0.0001	<0.0001	<0.0001	0.367	0.193	<0.0001	<0.0001	<0.0001	<0.005	<0.005	<0.0001	<0.0001	<0.0001	0.38		<0.0001	<0.0001
>C8-C10	mg.l-1	<0.005	No WSV	55	<0.0001	13.464	0				2.163	0.392	<0.0001	<0.0001	1.564	1.6	<0.0001	<0.0001	<0.0001	12	0.131	1.146	-	<0.0001	0.12	<0.0001	0.48	0.427	<0.0001	<0.0001	<0.0001	0.059	0.224	<0.0001	<0.0001	<0.0001	<0.005	0.015	<0.0001	1.4	0.5	0.047		<0.0001	<0.0001
>C10-C12	mg.l-1	<0.005	No WSV	56	<0.0001	21	0				<0.005	0.008	<0.0001	<0.0001	0.09	<0.005	<0.0001	<0.0001	<0.0001	21	<0.005	0.074	1.592	<0.0001	<0.0001	<0.0001	<0.005	<0.005	<0.0001	<0.0001	<0.0001	<0.005	<0.005	<0.0001	<0.0001	<0.0001	<0.005	<0.005	<0.0001	0.048	0.022	<0.0001		<0.0001	<0.0001
>C12-C16	mg.l-1	<0.01	No WSV	56	<0.0001	36	0				<0.01	0.12	<0.0001	<0.0001	0.55	<0.01	<0.0001	<0.0001	<0.0001	36	<0.01	<0.01	0.14	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001
>C16-C21	mg.l-1	<0.01	No WSV	56	<0.0001	48	0				<0.01	0.03	<0.0001	<0.0001	0.22	<0.01	<0.0001	<0.0001	<0.0001	48	<0.01	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001
>C21-C35	mg.l-1	<0.01	No WSV	56	<0.0001	25	0				<0.01	<0.01	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.0001	25	<0.01	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	0.062		<0.0001	0.09
Aliphatic TPH >C35-C44	mg.l-1	0.0001	N/A	31	<0.0001	2.5	0						<0.0001	<0.0001			<0.0001	<0.0001	<0.0001	2.5	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001
Total aliphatics C5-35	mg.l-1	<0.01	No WSV	24	<0.01	173.21	0				2.46	0.63			2.79	2.52					0.3	2.54	-				1.6	0.66				0.66	0.53			<0.01	0.02					
Total aliphatics C5-C12	mg.l-1	<0.01	No WSV	23	<0.01	173.21	0				2.46	0.48			2.02	2.52					0.3	2.54	-				1.6	0.66				0.66	0.53			<0.01	0.02					
Total aliphatics >C12-C35	mg.l-1	<0.01	No WSV	25	<0.01	0.77	0				<0.01	0.15			0.77	<0.01					<0.01	<0.01	0.14				<0.01	<0.01				0.01	<0.01			<0.01	<0.01					
Total Aliphatic Hydrocarbons	mg.l-1	0.005	No WSV	31	<0.005	150	0						<0.005	<0.005			<0.005	<0.005	<0.005	150				<0.005	0.26	<0.005			<0.005	<0.005	<0.005			<0.005	<0.005			<0.005	1.4	0.59	0.49		<0.005	0.09
Aromatics																																											
>C5-EC7	mg.l-1	<0.005	No WSV	55	<0.0001	173.847	0				67.992	5.843	<0.0001	<0.0001	10.021	10.622	<0.0001	<0.0001	<0.0001	4	2.602	34.714	-	<0.0001	0.16	<0.0001	25.561	21.691	<0.0001	<0.0001	<0.0001	3.967	<0.005	<0.0001	<0.0001	<0.005	<0.005	<0.0001	2.5	1.9	1.4		0.18	0.63
>EC7-EC8	mg.l-1	<0.005	No WSV	55	<0.0001	64	0				13.498	0.975	0.19	<0.0001	2.616	0.685	<0.0001	0.042	<0.0001	64	0.762	5.163	-	<0.0001	0.12	<0.0001	0.053	0.031	<0.0001	<0.0001	<0.0001	0.007	<0.005	<0.0001	<0.0001	<0.005	<0.005	<0.0001	4.7	4.7	5.3		0.77	0.15
>EC8-EC10	mg.l-1	<0.005	No WSV	55	<0.0001	72	0				6.176	2.3	0.43	<0.0001	6.171	1.195	<0.0001	0.29	<0.0001	69	0.406	2.788	-	0.92	2.1	0.26	0.539	0.347	<0.0001	<0.0001	<0.0001	0.323	<0.005	<0.0001	<0.0001	0.009	0.019	<0.0001	72	45	12		1.3	1.8
>EC10-EC12	mg.l-1	<0.005	No WSV	56	<0.0001	160	0				0.532	6.784	0.49	<0.0001	1.374	1.234	<0.0001	0.12	<0.0001	160	0.22	2.429	15.69	0.59	1.9	0.18	0.263	0.178	<0.0001	<0.0001	<0.0001	0.064	<0.005	<0.0001	<0.0001	<0.005	<0.005	<0.0001	9.7	5.6	1.7		0.62	2
>EC12-EC16	mg.l-1	<0.01	No WSV	56	<0.0001	380	0				0.28	4.82	0.4	<0.0001	1.05	0.85	<0.0001	0.072	<0.0001	380	0.12	0.85	5.4	0.49	2.1	0.027	0.34	0.3	<0.0001	<0.0001	<0.0001	0.23	<0.01	<0.0001	<0.0001	<0.01	<0.01	<0.0001	8.9	4.8	2		0.76	1.7
>EC16-EC21	mg.l-1	<0.01	No WSV	56	<0.0001	270	0				<0.01	1.94	<0.0001	<0.0001	0.34	0.05	<0.0001	<0.0001	<0.0001	270	<0.01	0.11	1.27	0.075	0.17	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.01	<0.01	<0.0001	5.8	3.2	0.52		<0.0001	0.28
>EC21-EC35	mg.l-1	<0.01	No WSV	56	<0.0001	190	0				<0.01	1.14	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.0001	190	<0.01	<0.01	0.14	0.07	0.051	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	0.14	<0.0001		<0.0001	0.031
Aromatic TPH >C35-C44	mg.l-1	0.0001	N/A	31	<0.0001	<0.0001	0						<0.0001	<0.0001			<0.0001	<0.0001	<0.0001	<0.0001				<0.0001	<0.0001	<0.0001			<0.0001	<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001
Total aromatics C5-35	mg.l-1	<0.01	No WSV	24	<0.01	209.47	0				88.48	23.8			21.57	14.64					4.11	46.05	-				26.76	22.55				4.59	<0.01			<0.01	0.02					
Total aromatics C6-C12	mg.l-1	<0.01	No WSV	24	<0.01	207.54	0				88.2	15.9			20.18	13.74					3.99	45.09	-				26.42	22.25				4.36	<0.01			<0.01	0.02					
Total aromatics >EC12-EC35	mg.l-1	<0.01	No WSV	25	<0.01	7.9	0				0.28	7.9			1.39	0.9					0.12	0.96	6.81				0.34	0.3				0.23	<0.01			<0.01	<0.01					
Total aliphatics and aromatics(C5-35)	mg.l-1	<0.01	No WSV	24	<0.01	225.61	0				90.94	24.43			24.36	17.16					4.41	48.59	-				28.36	23.21				5.25	0.53			<0.01	0.04					
Total Aromatic Hydrocarbons	mg.l-1	0.005	No WSV	31	<0.005	1100	0						1.5	<0.005			<0.005	0.52	<0.005	1100				2.1	6.5	0.47			<0.005	<0.005	<0.005			<0.005	<0.005			<0.005	100	66	23		3.6	6.6
Total Petroleum Hydrocarbons	mg.l-1	0.01	No WSV	31	<0.01	1300	0						1.5	<0.01			<0.01	0.52	<0.01	1300				2.1	6.8	0.47			<0.01	<0.01	<0.01			<0.01	<0.01			<0.01	100	66	23		3.6	6.6
PCB																																											
PCB 28	mg.l-1	0.00001	No WSV	0	0	0	0																																				
PCB 52	mg.l-1	0.00001	No WSV	0	0	0	0																																				
PCB 90+101	mg.l-1	0.00001	No WSV	0	0	0	0																																				
PCB 118	mg.l-1	0.00001	No WSV	0	0	0	0																																				
PCB 153	mg.l-1	0.00001	No WSV	0	0	0	0																																				
PCB 138	mg.l-1	0.00001	No WSV	0	0	0	0																																				
PCB 180	mg.l-1	0.00001	No WSV	0	0	0	0																																				
Total PCBs (7 congeners)	mg.l-1	0.00001	No WSV	0	0	0	0																																				
Resorcinol	mg.l-1	<0.0005	No WSV	56	<0.0005	0.15	0				<0.0005	<0.0005	0.019	<0.005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.0005	0.0006	0.0046	0.025	<0.005	<0.005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.005	<0.005	<0.0005	<0.0005	<0.005	0.053	0.042	0.018	0.15	<0.005	<0.005
Catechol	mg.l-1	<0.0005	No WSV	24	<0.0005	0.0466	0				<0.0005	<0.0005			<0.0005	<0.0005					<0.0005	0.0015	0.0202				<0.0005	<0.0005				0.0034	<0.0005			<0.0005	<0.0005					
Phenol	mg.l-1	<0.0005	0.05	56	<0.0005	12	31	BH11, RTD; BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12-01, MG/RTD; BH12-02D, ALV/RTD/LC; BH12-03 , ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH23-04, MG; BH23-04, MG; BH23-04, MG; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV			0.2522	0.0757	0.064	<0.005	0.2501	0.1307	0.006	0.049	0.005	12	0.0153	1.3121	0.1832	1.7	0.037	0.018	0.2019	0.1872	<0.005	<0.005	<0.005	0.0325	<0.0005	<0.005	<0.005	0.0013	0.0179	<0.005	4	3.8	4.2	0.006	0.25	0.23
m/p-cresol	mg.l-1	<0.0005	No WSV	56	<0.0005	33	0				0.0141	0.0008	0.005	<0.005	0.0172	0.0193	<0.005	0.007	<0.005	33	0.0599	3.91	3.3525	<0.005	<0.005	0.041	0.0251	0.0031	<0.005	<0.005	<0.005	0.002	<0.0005	<0.005	<0.005	<0.0005	0.0094	<0.005	6.5	6.1	6.7	<0.005	0.4	0.11
o-cresol	mg.l-1	<0.0005	No WSV	56	<0.0005	12	0				0.0081	0.0007	0.015	<0.005	0.0084	0.0278	0.018	0.014	0.02	12	0.0505	2.6124	2.9929	0.046	<0.005	0.024	0.02	0.0033	<0.005	<0.005	<0.005	<0.0005	<0.0005	<0.005	<0.005	0.0008	0.0028	<0.005	4.9	3.9	4.4	<0.005	1.2	0.83
Total cresols	mg.l-1	<0.0005	No WSV	56	<0.0005	6.5224	0				0.0222	0.0015	<0.005	<0.005	0.0256	0.0471	<0.005	<0.005	<0.005	<0.005	0.1104	6.5224	6.3454	<0.005	<0.005	<0.005	0.0451	0.0064	<0.005	<0.005	<0.005	0.002	<0.0005	<0.005	<0.005	0.0008	0.0122	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Xylenols	mg.l-1	<0.0005	No WSV	24	<0.0005	4.8534	0				<0.0005	0.1101			<0.0005	0.4889					0.1015	3.8014	4.6597				0.4756	0.0761				0.0944	<0.0005			0.0128	<0.0005					
1-naphthol	mg.l-1	<0.0005	No WSV	24	<0.0005	0.0528	0				<0.0005	0.0118			<0.0005	0.0528					<0.0005	0.0042	<0.0005				0.0177	0.0065				0.0026	<0.0005			<0.0005	<0.0005					
2,3,5-trimethyl phenol	mg.l-1	<0.0005	No WSV	24	<0.0005	0.0289	0				<0.0005	<0.0005			<0.0005	<0.0005					<0.0005	<0.0005	0.0069				0.0015	<0.0005				<0.0005	<0.0005			<0.0005	<0.0005					
2-isopropylphenol	mg.l-1	<0.0005	No WSV	24	<0.0005	0.1508	0				<0.0005	<0.0005			<0.0005	<0.0005					<0.0005	<0.0005	<0.0005				0.0457	<0.0005				<0.0005	<0.0005			<0.0005	<0.0005					
Total Speciated Phenols HPLC	mg.l-1	<0.005	No WSV	56	<0.005	58	0				0.274	0.199	0.1	<0.03	0.276	0.72	<0.03	0.07	0.047	58	0.227	11.642	11.22	1.8	0.051	0.12	0.788	0.276	<0.03	<0.03	<0.03	0.135	<0.005	<0.03	<0.03	0.015	0.03	<0.03	16	14	15	0.16	1.9	1.3
Germanium	mg.l-1	0.001	No WSV	0	0	0	0																																				
Trimethylphenols	mg.l-1	0.0050	No WSV	24	<0.005	0.89	0						<0.005	<0.005			<0.005	<0.005		<0.005				0.018	0.01				<0.005	<0.005				<0.005	<0.005			<0.005	0.89	<0.005		<0.005	<0.005	

Assessment Criteria :	Drinking Water Standard England and Wales/WHO				
CaCO (mg/l):	150.00	pH	0.00		
Calcium (mg/l):	0.00	DOC (mg/l)	0.00	Catchment area:	Avon/Hants

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	WS12-01	WS12-01	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-03	WS12-03	WS12-03	WS12-03	WS12-03	WS12-06	WS12-06	WS12-07	WS12-07	WS12-07	WS12-07	WS12-07	WS12-08	WS12-08	WS12-08
									WS12-01	WS12-01	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-03	WS12-03	WS12-03	WS12-03	WS12-03	WS12-06	WS12-06	WS12-07	WS12-07	WS12-07	WS12-07	WS12-07	WS12-08	WS12-08	WS12-08
											2.50m	2.00m	2.00m	2m			2.00m	2.00m	2m					3.00m	4.00m	4m			2m		
									14/02/2013	27/02/2013	11/05/2023	07/06/2023	07/06/2023	06/07/2023	14/02/2013	27/02/2013	11/05/2023	07/06/2023	06/07/2023	14/02/2013	27/02/2013	14/02/2013	27/02/2013	11/05/2023	07/06/2023	06/07/2023	14/02/2013	27/02/2013	08/06/2023	14/02/2013	27/02/2013
									MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG	MG	MG	MG	MG	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV
pH	pH units	<0.01	6.5-9.5	24	2.46	7.55	3	BH12-02D, ALV/RTD/LC; WS12-07 , MG/ALV; WS12-07 , MG/ALV	6.74	6.69					6.7	6.67				6.98	7.03	7.11	6.93				2.46	2.61		6.81	
Electrical Conductivity (at 25C)	uS.cm-1	<2	No WSV	54	388	19608	0		4390	4366	1100	2500		2000	1860	2048	3000	2900	3000	2713	2356	2853	2968	2100	3400	610	19608	7477	1800	4362	
Total Suspended Solids	mg.l-1	<10	N/A	54	<5	2300	1	BH12-03 , ALV/RTD/LC	179	84	140	72		100	91	55	19	110	190	22	22	900	251	150	750	350	74	48	2100	89	
Dissolved Organic Carbon	mg.l-1	<2	No WSV	24	11	677	0		180	48					144	82				107	11	213	677				464	560		26	
Thiocyanate	mg.l-1	<0.02	No WSV	54	<0.02	32.74	0		16.18	32.74	3.3	<0.5		12	2.52	4.16	<0.5	<0.5	<0.5	<0.02	<0.02	1.05	0.47	1.3	<0.5	<0.5	1.94	2.19	<0.5	<0.02	
Sulphide	mg.l-1	<0.3	No WSV	55	<0.05	<0.3	0		<0.3	<0.3	<0.05	<0.05		<0.05	<0.3	<0.3	<0.05	<0.05	<0.05	<0.3	<0.3	<0.3	<0.3	<0.05	<0.05	<0.05	<0.3	<0.3	<0.05	<0.3	
Ammonium	mg.l-1	<0.05	0.5	30	0.054	110	28	BH11, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12-04, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-06, ALV/RTD/LC; BH12-06, ALV/RTD/LC; BH23-03, MG; BH23-04, MG; BH23-04, MG; BH23-04, MG; BH23-05, MG; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-03, MG; WS12-03, MG; WS12-03, MG; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-08, MG/ALV			5.1	9.9		29			9.7	16	22					0.98	0.054	1.6			2.1		
Ammoniacal Nitrogen as NH4	mg.l-1	<0.03	0.5	24	0.68	104.83	24	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH12-03 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; BH12-06 , ALV/RTD/LC; BH12-06 , ALV/RTD/LC; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-03 , MG; WS12-03 , MG; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08 , MG/ALV	104.83	101.41					18.18	21.06				18.2	18.83	12.76	12.5				25.51	23.82		8.08	
Complex Cyanide	mg.l-1	<0.01	No WSV	54	0.01	1.99	0		1.46	1.7	0.19	<0.05		0.35	0.38	0.41	0.32	<0.05	0.3	0.25	0.2	0.55	0.26	0.29	<0.05	0.07	0.33	1.99	<0.05	0.07	
Total Cyanide	mg.l-1	<0.005	0.05	54	0.01	1.989	41	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; BH12-03 , ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; BH12-06 , ALV/RTD/LC; BH12-06 , ALV/RTD/LC; BH23-03, MG; BH23-04, MG; BH23-04, MG; BH23-05, MG; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-03, MG; WS12-03, MG; WS12-03 , MG; WS12-03 , MG; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08 , MG/ALV	1.468	1.721	0.19	<0.05		0.35	0.39	0.412	0.32	<0.05	0.3	0.254	0.198	0.548	0.261	0.29	<0.05	0.07	0.359	1.989	<0.05	0.07	
Free Cyanide	mg.l-1	<0.005	See Cyanide (total)	54	0.005	0.088	0		0.013	0.025	<0.05	<0.05		<0.05	0.011	<0.005	<0.05	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05	<0.05	0.032	<0.005	<0.05	<0.005	
Chloride	mg.l-1	<0.3	250	54	19	4126	21	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-03, MG; WS12-03, MG; WS12-03, MG; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08 , MG/ALV	565.5	540.4	79	77		120	183.3	188.5	410	440	420	198.1	96.7	144.4	176.2	110	170	19	4126	445.3	43	850	
Sulphate	mg.l-1	<0.05	250	54	<1	6958.93	40	BH11, RTD; BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12-03 , ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; BH12-06, ALV/RTD/LC; BH12-06, ALV/RTD/LC; BH12-06 , ALV/RTD/LC; BH12-06 , ALV/RTD/LC; BH23-03, MG; BH23-04, MG; BH23-04, MG; BH23-04, MG; BH23-05, MG; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02, MG/ALV; WS12-03, MG; WS12-03, MG; WS12-03, MG; WS12-03 , MG; WS12-03 , MG; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08, MG/ALV; WS12-08 , MG/ALV	714.35	701.41	120	140		340	205.98	238.07	520	610	520	376.48	370.04	412.86	356.53	1200	2100	280	6958.93	4300.07	580	343.27	
Total Hardness Dissolved (as CaCO3)	mg.l-1	<1	No WSV	21	176	1909	0		1781	1794					778	900				1311	1266	1520	1406				1909	1559		1153	1226
Total Dissolved Sulphur	mg.l-1	<0.01	No WSV	54	<1	2275	0		298.7	113.7	40	47		110	86.41	47.23	170	200	170	109.9	55.65	108.7	55.67	400	700	93	2275	329.5	190	103.1 -	
Chemical Oxygen Demand	mg O2/l	10	No WSV	8	25	1500	0							390					51							360					
Total Organic Carbon	mg.l-1	2.0	No WSV	49	4.9	500	0		130	30	68	69		150	8.1	13	62	20	36	28		4.9	500	240	360	62	11	360	8.1	30	20
Metals																															
Dissolved Arsenic	mg.l-1	<0.0009	0.01	54	0.0003	0.5802	19	BH11, RTD; BH12, RTD; BH12-05 , ALV/RTD/LC; BH23-04, MG; BH23-04, MG; BH23-04, MG; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-03, MG; WS12-03, MG; WS12-03, MG; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV	0.5559	0.5802	0.01	0.015		0.013	0.0085	0.0072	0.015	0.027	0.015	0.0042	0.0059	<0.0009	<0.0009	0.24	0.097	0.025	<0.0009	0.0358	0.0016	<0.0009	-
Dissolved Cadmium	mg.l-1	<0.00003	0.005	54	0.00003	0.2311	2	WS12-07 , MG/ALV; WS12-07 , MG/ALV	0.0004	<0.00003	<0.00011	<0.00011		<0.00011	0.00006	<0.00003	<0.00011	<0.00011	<0.00011	<0.00003	0.00005	<0.00003	0.00122	0.00085	0.00013	<0.00011	0.2311	0.09036	<0.00011	<0.00003	-
Total Dissolved Chromium	mg.l-1	<0.0002	0.05	54	<0.0002	0.5326	2	WS12-07 , MG/ALV; WS12-07 , MG/ALV	0.0026	0.0015	0.00098	0.0016		0.002	0.0027	0.0055	0.0018	<0.0005	<0.0005	<0.0002	<0.0002	0.0005	0.0048	0.021	0.019	0.0066	0.511	0.5326	<0.0005	<0.0002	-
Dissolved Copper	mg.l-1	<0.003	2	54	<0.0005	0.248	0		<0.003	<0.003	<0.0005	<0.0005		<0.0005	<0.003	<0.003	0.00086	<0.0005	0.001	<0.003	<0.003	<0.003	<0.003	0.013	0.002	0.002	0.248	0.097	0.0014	<0.003	-
Total Dissolved Iron	mg.l-1	<0.0047	No WSV	54	0.0067	1131	0		0.7369	0.6976	0.11	13		1.3	0.5783	0.3121	0.17	0.2	0.21	4.853	0.1515	3.505	9.799	74	170	28	1131	720.2	0.018	0.1863	-
Dissolved Lead	mg.l-1	<0.0004	0.01	54	<0.0004	0.3251	10	BH11, RTD; BH11, RTD; BH12, RTD; WS12-02 , MG/ALV; WS12-03 , MG; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV	0.0056	0.0078	<0.0005	<0.0005		<0.0005	0.0058	0.0168	<0.0005	<0.0005	<0.0005	0.005	0.0181	0.004	0.0131	0.19	0.026	0.01	0.3251	0.2705	<0.0005	<0.0004	-
Dissolved Nickel	mg.l-1	<0.0002	0.02	54	0.0012	0.66	12	BH11, RTD; BH11, RTD; BH12-03 , ALV/RTD/LC; BH23-04, MG; BH23-04, MG; BH23-04, MG; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08, MG/ALV	0.0172	0.0198	0.0078	0.0088		0.012	0.0068	0.0097	0.0026	0.0024	0.0033	0.0154	0.0062	0.0086	0.0147	0.085	0.082	0.026	0.66	0.4604	0.04	0.0112	-
Dissolved Selenium	mg.l-1	<0.0012	0.01	54	<0.0005	0.027	4	BH23-04, MG; BH23-04, MG; BH23-04, MG; WS12-07, MG/ALV	<0.0012	<0.0012	0.0023	0.002		0.0072	<0.0012	<0.0012	0.00082	0.00054	0.00096	<0.0012	<0.0012	<0.0012	<0.0012	0.0065	0.019	0.005	<0.0012	<0.0012	0.001	<0.0012	-
Dissolved Zinc	mg.l-1	<0.0015	3	54	<0.0015	7.589	2	WS12-07 , MG/ALV; WS12-07 , MG/ALV	0.0072	0.004	<0.0025	0.0046		0.0036	0.0061	0.0033	<0.0025	0.0064	0.0058	0.0213	0.0022	0.0042	0.2598	0.35	0.15	0.046	7.589	7.445	0.04	0.0091	-
Mercury Dissolved by CVAF	mg.l-1	<0.01	No WSV	54	0.00001	20.57	0		0.25	0.7	<0.00005	<0.00005		<0.00005	1.15	0.16	<0.00005	<0.00005	<0.00005	**<0.01**	<0.01	0.03	20.57	<0.00005	<0.00005	<0.00005	0.23	0.26	<0.00005	0.05 -	
Potassium (Dissolved)	mg.l-1	0.50	No WSV	8	5.6	55	0							18					55							5.6					
Magnesium (Dissolved)	mg.l-1	0.20	N/A	8	3.4	81	0							24					38							3.4					
Sodium (Dissolved)	mg.l-1	1.50	No WSV	8	18	380	0							66					180							18					
Cobalt (Dissolved)	mg.l-1	0.0005	No WSV	8	0.00052	0.025	0							0.00099					0.0016							0.0084					
Molybdenum (Dissolved)	mg.l-1	0.0002	No WSV	8	0.0005	0.0016	0							0.0015					0.0011							0.0005					
Vanadium (Dissolved)	mg.l-1	0.0005	No WSV	8	<0.0005	0.02	0							<0.0005					0.0013							0.015					
Calcium (Dissolved)	mg.l-1	2.00	N/A	8	88	780	0							380					500							88					
PAH MS																															

Assessment Criteria : *Drinking Water Standard England and Wales/WHO*

CaCO (mg/l): 150.00 **pH** 0.00

Calcium (mg/l): 0.00 **DOC (mg/l)** 0.00 **Catchment area:** Avon/Hants

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	WS12-01	WS12-01	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-03	WS12-03	WS12-03	WS12-03	WS12-03	WS12-06	WS12-06	WS12-07	WS12-07	WS12-07	WS12-07	WS12-07	WS12-08	WS12-08	WS12-08
									WS12-01	WS12-01	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-03	WS12-03	WS12-03	WS12-03	WS12-03	WS12-06	WS12-06	WS12-07	WS12-07	WS12-07	WS12-07	WS12-07	WS12-08	WS12-08	WS12-08
											2.50m	2.00m	2.00m	2m			2.00m	2.00m	2m					3.00m	4.00m	4m			2m		
									14/02/2013	27/02/2013	11/05/2023	07/06/2023	07/06/2023	06/07/2023	14/02/2013	27/02/2013	11/05/2023	07/06/2023	06/07/2023	14/02/2013	27/02/2013	14/02/2013	27/02/2013	11/05/2023	07/06/2023	06/07/2023	14/02/2013	27/02/2013	08/06/2023	14/02/2013	27/02/2013
									MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG	MG	MG	MG	MG	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV
Naphthalene	mg.l-1	<0.000014	See BaP	55	<0.000014	98	0		2.26469	2.56301	0.078	0.6	1	2.2	2.25912	3.40308	<0.0001	<0.0001	0.00033	0.0064	0.01252	0.68676	0.40586	0.067	0.54	0.47	0.62735	60.016	<0.0001	0.01077	-
Acenaphthylene	mg.l-1	<0.000013	See BaP	55	<0.0001	19	0		0.20971	0.21033	0.0019	0.071	0.11	0.019	0.05753	0.08252	<0.0001	0.0031	0.001	0.00362	0.00424	0.05754	0.04591	<0.0001	0.00062	<0.0001	<0.00065	0.00046	<0.0001	0.002 -	
Acenaphthene	mg.l-1	<0.000013	See BaP	55	<0.0001	2.6	0		0.03051	0.02863	0.0014	<0.0001	0.024	0.03	0.01229	0.01092	<0.0001	0.014	0.0047	0.01332	0.01705	0.03386	0.01978	<0.0001	<0.0001	<0.0001	0.00099	0.00075	<0.0001	0.00037	-
Fluorene	mg.l-1	<0.000014	See BaP	55	<0.000014	7.2	0		0.05187	0.05101	<0.0001	0.072	0.055	0.011	0.01483	0.01861	<0.0001	<0.0001	<0.0001	0.0014	0.00122	0.03014	0.0176	<0.0001	<0.0001	0.0027	0.00244	0.00285	<0.0001	0.00051	-
Phenanthrene	mg.l-1	<0.000011	See BaP	55	<0.000011	19	0		0.0685	0.05681	<0.0001	<0.0001	0.1	0.016	0.01923	0.01772	<0.0001	<0.0001	<0.0001	0.00327	0.00272	0.03943	0.02167	<0.0001	0.0058	0.0034	0.00299	0.00233	<0.0001	0.00012	-
Anthracene	mg.l-1	<0.000013	See BaP	55	<0.000013	5.5	0		0.01276	0.00988	<0.0001	0.025	0.021	<0.0001	<0.0065	0.00347	<0.0001	<0.0001	<0.0001	0.00095	0.00104	0.00832	0.00413	<0.0001	0.002	<0.0001	0.00077	0.00057	<0.0001	0.00011	-
Fluoranthene	mg.l-1	<0.000012	See BaP	55	<0.000012	4.9	0		<0.006	0.00407	<0.0001	0.021	0.018	<0.0001	<0.006	0.00088	<0.0001	0.0022	<0.0001	0.00152	0.00178	0.00555	0.00321	<0.0001	<0.0001	0.00091	<0.0006	0.00039	<0.0001	0.00013	-
Pyrene	mg.l-1	<0.000013	See BaP	55	<0.000013	6.9	0		<0.0065	0.00095	<0.0001	0.024	0.025	<0.0001	<0.0065	0.00079	<0.0001	0.0016	<0.0001	0.00088	0.00098	0.00403	0.0024	<0.0001	<0.0001	<0.0001	<0.00065	0.0003	<0.0001	0.00012	-
Benzo(a)anthracene	mg.l-1	<0.000015	See BaP	55	<0.000015	1.9	0		<0.0075	0.00059	<0.0001	<0.0001	0.0034	<0.0001	<0.0075	<0.0003	<0.0001	<0.0001	<0.0001	0.00005	0.00005	0.00076	0.00054	<0.0001	<0.0001	<0.0001	<0.00075	<0.0003	<0.0001	0.00002	-
Chrysene	mg.l-1	<0.000011	See BaP	55	<0.000011	1.2	0		<0.0055	0.00047	<0.0001	<0.0001	0.0031	<0.0001	<0.0055	<0.00022	<0.0001	<0.0001	<0.0001	0.00005	0.00004	0.0007	0.00043	<0.0001	<0.0001	<0.0001	<0.00055	<0.00022	<0.0001	0.00002	-
Benzo(bk)fluoranthene	mg.l-1	<0.000018	No WSV	24	<0.000018	0.06869	0		<0.009	<0.00036					<0.009	<0.00036				<0.000018	<0.000018	<0.0009	<0.00036				<0.0009	<0.00036		<0.000018	-
Benzo(a)pyrene	mg.l-1	<0.000016	0.00001	55	<0.000016	0.06516	4	BH11, RTD; BH11, RTD; BH12-03 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC	<0.008	<0.00032	<0.0001	<0.0001	<0.0001	<0.0001	<0.008	<0.00032	<0.0001	<0.0001	<0.0001	<0.000016	<0.000016	<0.0008	<0.00032	<0.0001	<0.0001	<0.0001	<0.0008	<0.00032	<0.0001	<0.000016	-
Indeno(123cd)pyrene	mg.l-1	<0.000011	See PAH Sum of 4	55	<0.000011	0.03136	0		<0.0055	<0.00022	<0.0001	<0.0001	<0.0001	<0.0001	<0.0055	<0.00022	<0.0001	<0.0001	<0.0001	<0.000011	<0.000011	<0.00055	<0.00022	<0.0001	<0.0001	<0.0001	<0.00055	<0.00022	<0.0001	<0.000011	-
Dibenzo(ah)anthracene	mg.l-1	<0.00001	No WSV	55	<0.00001	0.046	0		<0.005	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.005	<0.0002	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.0005	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0002	<0.0001	<0.00001	-
Benzo(ghi)perylene	mg.l-1	<0.000011	See PAH Sum of 4	55	<0.000011	0.02051	0		<0.0055	<0.00022	<0.0001	<0.0001	<0.0001	<0.0001	<0.0055	<0.00022	<0.0001	<0.0001	<0.0001	<0.000011	<0.000011	<0.00055	<0.00022	<0.0001	<0.0001	<0.0001	<0.00055	<0.00022	<0.0001	<0.000011	-
PAH 16 Total	mg.l-1	<0.000195	No WSV	55	0.00119	170	0		2.63804	2.92575	0.081	0.81	1.4	2.3	2.363	3.53799	<0.002	0.021	0.006	0.03146	0.04164	0.86709	0.52153	0.067	0.55	0.48	0.63454	60.02365	<0.002	0.01417	-
Benzo(b)fluoranthene	mg.l-1	<0.00001	See PAH Sum of 4	55	0.00001	0.04946	0		<0.005	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.005	<0.0002	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.0005	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0002	<0.0001	<0.00001	-
Benzo(k)fluoranthene	mg.l-1	<0.00001	See PAH Sum of 4	55	0.00001	0.01923	0		<0.005	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.005	<0.0002	<0.0001	<0.0001	<0.0001	<0.00001	<0.00001	<0.0005	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0002	<0.0001	<0.00001	-
PAH Surrogate % Recovery	mg.l-1	<0	No WSV	4	106	128	0																								
VOC MS																															
Dichlorodifluoromethane	mg.l-1	<0.002	No WSV	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
Chloromethane	mg.l-1	<0.003	No WSV	23	<0.003	0.012	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				0.012	<0.003		<0.003	-
Vinyl Chloride	mg.l-1	<0.002	0.0005	23	0.0001	<0.002	0		<0.002	<0.0001					<0.002	<0.0001				<0.002	<0.0001	<0.002	<0.0001				<0.002	<0.0001		<0.002	-
Bromomethane	mg.l-1	<0.001	No WSV	23	0.001	<0.001	0		<0.001	<0.001					<0.001	<0.001				<0.001	<0.001	<0.001	<0.001				<0.001	<0.001		<0.001	-
Chloroethane	mg.l-1	<0.003	No WSV	23	<0.003	0.018	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				0.013	0.018		<0.003	-
Trichlorofluoromethane	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
1,1-Dichloroethene (1,1 DCE)	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
Dichloromethane (DCM)	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
trans-1-2-Dichloroethene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
1,1-Dichloroethane	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
cis-1-2-Dichloroethene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
2,2-Dichloropropane	mg.l-1	<0.001	No WSV	23	0.001	<0.001	0		<0.001	<0.001					<0.001	<0.001				<0.001	<0.001	<0.001	<0.001				<0.001	<0.001		<0.001	-
Bromochloromethane	mg.l-1	<0.002	No WSV	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
Chloroform	mg.l-1	<0.002	See Trihalomethanes	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
1,1,1-Trichloroethane	mg.l-1	<0.002	N/A	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
1,1-Dichloropropene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
Carbon tetrachloride	mg.l-1	<0.002	0.004	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
1,2-Dichloroethane	mg.l-1	<0.002	0.003	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
Benzene	mg.l-1	<0.001	0.001	55	<0.001	178.672	44	BH11, RTD; BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12, RTD; BH12-01, MG/RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05, ALV/RTD/LC; BH12-05 , ALV/RTD/LC; BH12-06, ALV/RTD/LC; BH23-03, MG; BH23-04, MG; BH23-04, MG; BH23-04, MG; BH23-05, MG; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-03, MG; WS12-03, MG; WS12-03, MG; WS12-03 , MG; WS12-03 , MG; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08 , MG/ALV	20.536	28.047	43	51	21	2.7	119.138	71.983	0.0032	0.0077	0.0088	0.359	0.208	14.41	6.011	110	140	0.012	137.749	178.672	<0.001	0.003 -	
Trichloroethene (TCE)	mg.l-1	<0.003	No WSV	23	<0.003	0.009	0		0.009	0.009					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
1,2-Dichloropropane	mg.l-1	<0.002	0.04	23	<0.002	0.058	1	BH11, RTD	<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
Dibromomethane	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
Bromodichloromethane	mg.l-1	<0.002	See Trihalomethanes	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
cis-1-3-Dichloropropene	mg.l-1	<0.002	No WSV	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
Toluene	mg.l-1	<0.002	0.7	55	0.001	28.928	27	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12-01, MG/RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH23-04, MG; BH23-04, MG; BH23-04, MG; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08 , MG/ALV	4.477	3.81	2.3	4.5	7.3	2.2	10.371	11.83	<0.001	0.001	<0.001	0.007	<0.002	3.723	0.408	6.8	16	7.6	25.455	28.928	<0.001	0.003 -	
trans-1-3-Dichloropropene	mg.l-1	<0.002	No WSV	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
1,1,2-Trichloroethane	mg.l-1	<0.002	N/A	23	<0.002	0.082	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
Tetrachloroethene (PCE)	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
1,3-Dichloropropane	mg.l-1	<0.002	No WSV	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
Dibromochloromethane	mg.l-1	<0.002	See Trihalomethanes	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
1,2-Dibromoethane	mg.l-1	<0.002	0.0004	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
Chlorobenzene	mg.l-1	<0.002	N/A	23	<0.002	0.15	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
1,1,1,2-Tetrachloroethane	mg.l-1	<0.002	No WSV	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
Ethylbenzene	mg.l-1	<0.002	0.3	55	<0.001	4.5	16	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12-01, MG/RTD; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV	1.061	0.665	<0.001	4.2	2.5	0.026	0.818	1.131	<0.001	<0.001	<0.001	<0.002	<0.002	0.297	0.05	0.12	3.3	0.075	0.583	0.613	<0.001	<0.002	-
p/m-Xylene	mg.l-1	<0.003	No WSV	55	<0.001	21	0		2.895	1.86	1.7	19	3.8	0.69	4.382	5.359	<0.001	<0.001	<0.001	<0.003	<0.003	1.288	0.163	0.6	13	0.33	4.058	4.013	<0.001	<0.003	-
o-Xylene	mg.l-1	<0.002	See Xylenes (total)	55	0.001	12	0		1.73	1.208	1.1	11	4.1	0.49	2.12	2.658	<0.001	<0.001	<0.001	<0.002	<0.002	0.623	0.088	0.27	5.6	0.17	1.49	1.457	<0.001	<0.002	-
Styrene	mg.l-1	<0.002	0.02	23	<0.002	2.082	6	BH11, RTD; BH12, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; WS12-01 , MG/ALV; WS12-02 , MG/ALV	<0.002	0.171					<0.002	0.295				<0.002	<0.002	<0.002	0.014				<0.002	<0.002		<0.002	-
Bromoform	mg.l-1	<0.002	See Trihalomethanes	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
Isopropylbenzene	mg.l-1	<0.003	No WSV	23	<0.003	0.361	0		0.056	0.027					0.033	0.039				<0.003	<0.003	0.034	0.005				0.065	0.059		<0.003	-
1,1,2,2-Tetrachloroethane	mg.l-1	<0.004	No WSV	23	0.004	<0.004	0		<0.004	<0.004					<0.004	<0.004				<0.004	<0.004	<0.004	<0.004				<0.004	<0.004		<0.004	-
Bromobenzene	mg.l-1	<0.002	No WSV	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
1,2,3-Trichloropropane	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
Propylbenzene	mg.l-1	<0.003	No WSV	23	<0.003	0.183	0		0.183	0.068					0.041	0.046				<0.003	<0.003	0.037	0.004				0.013	0.012		<0.003	-
2-Chlorotoluene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
1,3,5-Trimethylbenzene	mg.l-1	<0.003	No WSV	23	<0.003	0.538	0		0.444	0.175					0.179	0.213				<0.003	<0.003	0.166	0.014				0.062	0.072		<0.003	-
4-Chlorotoluene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
tert-Butylbenzene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
1,2,4-Trimethylbenzene	mg.l-1	<0.003	No WSV	23	<0.003	1.617	0		1.617	0.773					0.718	0.711				<0.003	<0.003	0.504	0.047				0.173	0.197		<0.003	-
sec-Butylbenzene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
4-Isopropyltoluene	mg.l-1	<0.003	No WSV	23	<0.003	0.083	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	0.014	<0.003				0.004	<0.003		<0.003	-
1,3-Dichlorobenzene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
1,4-Dichlorobenzene	mg.l-1	<0.003	0.3	23	<0.003	0.029	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
n-Butylbenzene	mg.l-1	<0.003	No WSV	23	<0.003	0.062	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	0.019	<0.003				<0.003	<0.003		<0.003	-
1,2-Dichlorobenzene	mg.l-1	<0.003	1	23	<0.003	0.021	0		<0.003	<0.003					<0.003	<0.003				<0.003	0.009	<0.003	<0.003				<0.003	<0.003		<0.003	-
1,2-Dibromo-3-chloropropane	mg.l-1	<0.002	0.001	23	0.002	<0.002	0		<0.002	<0.002					<0.002	<0.002				<0.002	<0.002	<0.002	<0.002				<0.002	<0.002		<0.002	-
1,2,4-Trichlorobenzene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-

Assessment Criteria : *Drinking Water Standard England and Wales/WHO*

CaCO (mg/l): 150.00 **pH** 0.00

Calcium (mg/l): 0.00 **DOC (mg/l)** 0.00 **Catchment area:** Avon/Hants

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	WS12-01	WS12-01	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-03	WS12-03	WS12-03	WS12-03	WS12-03	WS12-06	WS12-06	WS12-07	WS12-07	WS12-07	WS12-07	WS12-07	WS12-08	WS12-08	WS12-08
									WS12-01	WS12-01	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-02	WS12-03	WS12-03	WS12-03	WS12-03	WS12-03	WS12-06	WS12-06	WS12-07	WS12-07	WS12-07	WS12-07	WS12-07	WS12-08	WS12-08	WS12-08
											2.50m	2.00m	2.00m	2m			2.00m	2.00m	2m					3.00m	4.00m	4m			2m		
									14/02/2013	27/02/2013	11/05/2023	07/06/2023	07/06/2023	06/07/2023	14/02/2013	27/02/2013	11/05/2023	07/06/2023	06/07/2023	14/02/2013	27/02/2013	14/02/2013	27/02/2013	11/05/2023	07/06/2023	06/07/2023	14/02/2013	27/02/2013	08/06/2023	14/02/2013	27/02/2013
									MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG	MG	MG	MG	MG	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV	MG/ALV
Hexachlorobutadiene	mg.l-1	<0.003	0.0006	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
Naphthalene	mg.l-1	<0.002	See BaP	23	<0.002	20.503	0		7.697	9.057					2.5	8.301				<0.002	0.015	2.798	0.709				1.434	1.573		<0.002	-
1,2,3-Trichlorobenzene	mg.l-1	<0.003	No WSV	23	0.003	<0.003	0		<0.003	<0.003					<0.003	<0.003				<0.003	<0.003	<0.003	<0.003				<0.003	<0.003		<0.003	-
Methyl Tertiary Butyl Ether	mg.l-1	<0.001	No WSV	24	0.0001	<0.001	0		<0.001	<0.001					<0.001	<0.001				<0.001	<0.001	<0.001	<0.001				<0.001	<0.001		<0.001	<0.001
Trichloromethane	mg.l-1	0.001	See Trihalomethanes	0	0	0	0																								
1,1-Dichloropropene	mg.l-1	0.001	No WSV	0	0	0	0																								
Tetrachloromethane	mg.l-1	0.001	0.004	0	0	0	0																								
Benzene	mg.l-1	<0.001	0.001	24	<0.001	178.672	20	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-05 , ALV/RTD/LC; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-03 , MG; WS12-03 , MG; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV; WS12-08 , MG/ALV	20.536	28.047					119.138	71.983				0.359	0.208	14.41	6.011				137.749	178.672		0.003	<0.001
Toluene	mg.l-1	<0.002	0.7	24	<0.002	28.928	13	BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12-02D, ALV/RTD/LC; BH12-02D, ALV/RTD/LC; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-06 , MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV	4.477	3.81					10.371	11.83				0.007	<0.002	3.723	0.408				25.455	28.928		0.003	<0.002
Ethylbenzene	mg.l-1	<0.002	0.3	24	<0.002	3.9405	11	BH11, RTD; BH12, RTD; BH12, RTD; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV	1.061	0.665					0.818	1.131				<0.002	<0.002	0.297	0.05				0.583	0.613		<0.002	<0.002
p/m-Xylene	mg.l-1	<0.003	No WSV	24	<0.003	5.359	0		2.895	1.86					4.382	5.359				<0.003	<0.003	1.288	0.163				4.058	4.013		<0.003	<0.003
o-Xylene	mg.l-1	<0.002	See Xylenes (total)	24	<0.002	2.658	0		1.73	1.208					2.12	2.658				<0.002	<0.002	0.623	0.088				1.49	1.457		<0.002	<0.002
Surrogate Recovery Toluene D8	mg.l-1	<0	No WSV	4	108	151	0																								
Surrogate Recovery 4-Bromofluorobenzene	mg.l-1	<0	No WSV	4	118	129	0																								
EPH (C8-C40)	mg.l-1	<0.01	No WSV	24	<0.01	242.32	0		45.6	48.96					120.3	130.52				0.61	1.31	24.5	8.49				215.6	242.32		<0.01	-
Total BTEX	mg.l-1	0.001	No WSV	32	<0.001	180	0				48	89	38	6			0.0032	0.0087	0.0088					120	180	8.2			<0.001		
TPH CWG																															
Aliphatics																															
>C5-C6	mg.l-1	<0.005	No WSV	55	<0.0001	4.932	0		1.711	1.74	<0.0001	<0.0001	<0.0001	0.11	0.557	1.016	<0.0001	<0.0001	<0.0001	0.143	<0.005	0.694	0.784	<0.0001	<0.0001	0.17	3.981	4.932	<0.0001	<0.005	<0.005
>C6-C8	mg.l-1	<0.005	No WSV	55	<0.0001	157.967	0		<0.005	<0.005	<0.0001	<0.0001	<0.0001	0.03	<0.005	<0.005	<0.0001	<0.0001	<0.0001	0.039	0.051	<0.005	<0.005	0.21	<0.0001	0.09	157.967	<0.005	<0.0001	<0.005	<0.005
>C8-C10	mg.l-1	<0.005	No WSV	55	<0.0001	13.464	0		3.534	1.201	<0.0001	<0.0001	<0.0001	0.14	13.464	4.157	<0.0001	<0.0001	<0.0001	0.11	0.104	1.107	0.759	1.4	0.71	0.17	11.259	11.207	<0.0001	<0.005	<0.005
>C10-C12	mg.l-1	<0.005	No WSV	56	<0.0001	21	0		0.101	0.057	<0.0001	<0.0001	<0.0001	<0.0001	0.096	0.056	<0.0001	<0.0001	<0.0001	<0.005	<0.005	<0.005	<0.005	0.047	0.021	<0.0001	<0.005	<0.005	<0.0001	<0.005	<0.005
>C12-C16	mg.l-1	<0.01	No WSV	56	<0.0001	36	0		<0.01	0.13	<0.0001	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.01	<0.01
>C16-C21	mg.l-1	<0.01	No WSV	56	<0.0001	48	0		<0.01	0.11	<0.0001	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.0001	<0.01	<0.01
>C21-C35	mg.l-1	<0.01	No WSV	56	<0.0001	25	0		<0.01	<0.01	<0.0001	<0.0001	<0.0001	0.073	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.01	<0.01	<0.0001	<0.0001	0.06	<0.01	<0.01	<0.0001	<0.01	<0.01
Aliphatic TPH >C35-C44	mg.l-1	0.0001	N/A	31	<0.0001	2.5	0				<0.0001	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001	<0.0001					<0.0001	<0.0001	<0.0001			<0.0001		
Total aliphatics C5-35	mg.l-1	<0.01	No WSV	24	<0.01	173.21	0		5.35	3.24					14.12	5.23				0.29	0.16	1.8	1.54				173.21	16.14		<0.01	<0.01
Total aliphatics C5-C12	mg.l-1	<0.01	No WSV	23	<0.01	173.21	0		5.35 3						14.12	5.23				0.29	0.16	1.8	1.54				173.21	16.14		<0.01	<0.01
Total aliphatics >C12-C35	mg.l-1	<0.01	No WSV	25	<0.01	0.77	0		<0.01	0.24					<0.01	<0.01				<0.01	<0.01	<0.01	<0.01				<0.01	<0.01		<0.01	<0.01
Total Aliphatic Hydrocarbons	mg.l-1	0.005	No WSV	31	<0.005	150	0				<0.005	<0.005	<0.005	0.35			<0.005	<0.005	<0.005					1.7	0.73	0.49			<0.005		
Aromatics																															
>C5-EC7	mg.l-1	<0.005	No WSV	55	<0.0001	173.847	0		24.28	30.009	0.78	0.081	<0.0001	5.4	68.284	92.974	<0.0001	<0.0001	<0.0001	0.288	0.209	15.425	4.948	1.3	1.5	36	2.094	173.847	<0.0001	<0.005	<0.005
>EC7-EC8	mg.l-1	<0.005	No WSV	55	<0.0001	64	0		2.542	2.747	2.3	0.53	0.67	1.3	9.544	12.5	<0.0001	<0.0001	<0.0001	<0.005	<0.005	2.099	0.334	15	27	1.9	25.734	24.761	<0.0001	<0.005	<0.005
>EC8-EC10	mg.l-1	<0.005	No WSV	55	<0.0001	72	0		2.893	2.836	9.2	1.4	1.3	17	5.607	6.94	<0.0001	<0.0001	<0.0001	0.02	0.022	1.106	0.286	15	24	17	3.876	3.431	<0.0001	0.176	<0.005
>EC10-EC12	mg.l-1	<0.005	No WSV	56	<0.0001	160	0		1.799	3.343	2.3	0.82	1.6	6.4	2.625	4.384	<0.0001	<0.0001	<0.0001	<0.005	<0.005	1.344	0.45	12	15	5	4.628	5.497	<0.0001	<0.005	<0.005
>EC12-EC16	mg.l-1	<0.01	No WSV	56	<0.0001	380	0		1.32	2.53	2.9	0.85	2.4	3.5	1.14	1.78	<0.0001	<0.0001	<0.0001	<0.01	<0.01	1.33	0.66	5.5	9.7	3.6	1.76	1.9	<0.0001	<0.01	<0.01
>EC16-EC21	mg.l-1	<0.01	No WSV	56	<0.0001	270	0		0.14	0.93	0.042	<0.0001	0.44	0.28	0.09	0.09	<0.0001	<0.0001	<0.0001	<0.01	<0.01	0.26	0.23	3.4	6.7	1.4	<0.01	0.03	<0.0001	<0.01	<0.01
>EC21-EC35	mg.l-1	<0.01	No WSV	56	<0.0001	190	0		<0.01	0.29	0.1	<0.0001	0.031	0.085	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.01	<0.01	0.066	0.81	0.39	<0.01	<0.01	<0.0001	<0.01	<0.01
Aromatic TPH >C35-C44	mg.l-1	0.0001	N/A	31	<0.0001	<0.0001	0				<0.0001	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001	<0.0001					<0.0001	<0.0001	<0.0001			<0.0001		
Total aromatics C5-35	mg.l-1	<0.01	No WSV	24	<0.01	209.47	0		32.97	42.69					87.29	118.67				0.31	0.23	21.56	6.91				38.09	209.47		0.18	<0.01
Total aromatics C6-C12	mg.l-1	<0.01	No WSV	24	<0.01	207.54	0		31.51	38.94					86.06	116.8				0.31	0.23	19.97	6.02				36.33	207.54		0.18	<0.01
Total aromatics >EC12-EC35	mg.l-1	<0.01	No WSV	25	<0.01	7.9	0		1.46	3.75					1.23	1.87				<0.01	<0.01	1.59	0.89				1.76	1.93		<0.01	<0.01
Total aliphatics and aromatics(C5-35)	mg.l-1	<0.01	No WSV	24	<0.01	225.61	0		38.32	45.93					101.41	123.9				0.6	0.39	23.36	8.45				211.3	225.61		0.18	<0.01
Total Aromatic Hydrocarbons	mg.l-1	0.005	No WSV	31	<0.005	1100	0				18	3.7	6.4	34			<0.005	<0.005	<0.005					52	85	65			<0.005		
Total Petroleum Hydrocarbons	mg.l-1	0.01	No WSV	31	<0.01	1300	0				18	3.7	6.4	35			<0.01	<0.01	<0.01					53	85	66			<0.01		
PCB																															
PCB 28	mg.l-1	0.00001	No WSV	0	0	0	0																								
PCB 52	mg.l-1	0.00001	No WSV	0	0	0	0																								
PCB 90+101	mg.l-1	0.00001	No WSV	0	0	0	0																								
PCB 118	mg.l-1	0.00001	No WSV	0	0	0	0																								
PCB 153	mg.l-1	0.00001	No WSV	0	0	0	0																								
PCB 138	mg.l-1	0.00001	No WSV	0	0	0	0																								
PCB 180	mg.l-1	0.00001	No WSV	0	0	0	0																								
Total PCBs (7 congeners)	mg.l-1	0.00001	No WSV	0	0	0	0																								
Resorcinol	mg.l-1	<0.0005	No WSV	56	<0.0005	0.15	0		<0.005	<0.005	0.11	0.12	<0.005	<0.005	0.0381	0.0623	<0.005	<0.005	<0.005	<0.0005	<0.0005	0.0107	<0.0005	<0.005	<0.005	<0.005	0.031	<0.0005	<0.005	<0.0005	-
Catechol	mg.l-1	<0.0005	No WSV	24	<0.0005	0.0466	0		<0.005	<0.005					0.0073	0.0466				<0.0005	<0.0005	<0.0005	<0.0005				0.0071	0.0304		<0.0005	-
Phenol	mg.l-1	<0.0005	0.05	56	<0.0005	12	31	BH11, RTD; BH11, RTD; BH11, RTD; BH12, RTD; BH12, RTD; BH12-01, MG/RTD; BH12-02D, ALV/RTD/LC; BH12-03 , ALV/RTD/LC; BH12-04, ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH12-04 , ALV/RTD/LC; BH23-04, MG; BH23-04, MG; BH23-04, MG; WS12-01, MG/ALV; WS12-01, MG/ALV; WS12-01 , MG/ALV; WS12-01 , MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02, MG/ALV; WS12-02 , MG/ALV; WS12-02 , MG/ALV; WS12-06 , MG/ALV; WS12-06 , MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07, MG/ALV; WS12-07 , MG/ALV; WS12-07 , MG/ALV	0.3174	0.4648	1.6	1.9	0.23	1	1.4254	1.417	0.006	0.005	0.007	0.0126	0.0134	0.6684	0.1031	1.1	1.4	0.57	2.0784	2.3317	<0.005	<0.0005	-
m/p-cresol	mg.l-1	<0.0005	No WSV	56	<0.0005	33	0		1.0556	1.3405	1.9	2.4	0.15	1.4	2.4341	2.4051	<0.005	<0.005	<0.005	0.0149	0.0133	0.9971	0.0724	0.27	0.34	0.097	0.7792	0.6887	<0.005	<0.0005	-
o-cresol	mg.l-1	<0.0005	No WSV	56	<0.0005	12	0		1.2697	1.5665	2	2.1	0.96	1.9	2.8824	2.9005	0.019	<0.005	<0.005	0.0139	0.0131	1.1823	0.0711	0.1	0.14	0.035	0.434	0.3754	<0.005	<0.0005	-
Total cresols	mg.l-1	<0.0005	No WSV	56	<0.0005	6.5224	0		2.3253	2.907	<0.005	<0.005	<0.005	<0.005	5.3165	5.3056	<0.005	<0.005	<0.005	0.0288	0.0264	2.1794	0.1435	<0.005	<0.005	<0.005	1.2132	1.0641	<0.005	<0.0005	-
Xylenols	mg.l-1	<0.0005	No WSV	24	<0.0005	4.8534	0		3.7106	3.7977					4.8534	3.8913				0.2354	0.0721	2.3036	0.2579				0.3744	0.2505		<0.0005	-
1-naphthol	mg.l-1	<0.0005	No WSV	24	<0.0005	0.0528	0		<0.0005	<0.005					<0.0005	<0.0005				0.0124	<0.0005	0.0506	<0.0005				0.0009	<0.0005		<0.0005	-
2,3,5-trimethyl phenol	mg.l-1	<0.0005	No WSV	24	<0.0005	0.0289	0		0.0289	<0.005					0.0074	<0.0005				<0.0005	<0.0005	0.02	<0.0005				<0.0005	<0.0005		<0.0005	-
2-isopropylphenol	mg.l-1	<0.0005	No WSV	24	<0.0005	0.1508	0		<0.0005	<0.005					<0.0005	0.042				<0.0005	<0.0005	0.1508	0.0308				<0.0005	<0.0005		<0.0005	-
Total Speciated Phenols HPLC	mg.l-1	<0.005	No WSV	56	<0.005	58	0		6.382	7.17	5.6	6.6	1.3	4.3	11.648	10.765	<0.03	<0.03	<0.03	0.289	0.112	5.384	0.535	1.5	1.9	0.7	3.705	3.677	<0.03	<0.005	-
Germanium	mg.l-1	0.001	No WSV	0	0	0	0																								
Trimethylphenols	mg.l-1	0.0050	No WSV	24	<0.005	0.89	0				<0.005	<0.005	<0.005				<0.005	<0.005						<0.005	<0.005				<0.005		