

## APPENDIX C

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Borehole Logs



Leap Environmental Ltd  
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# Borehole Log

Borehole No.

**WS101**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567247 - 145162	Hole Type	HA
Location:	Paddock Wood, Kent			Level:	15.83	Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	25/06/2014 - 25/06/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.25	D				Dark greyish brown sandy gravel MADE GROUND. Gravel is fine to medium concrete, brick and fibrous tile.	
		0.30	ES		0.30	15.53		
		0.40	ES		0.40	15.43	Dark greyish brown sandy gravel MADE GROUND. Gravel is fine to coarse brick, flint, concrete and occasional charcoal. <u>PID @ 0.3m = 0.5ppm</u>	
		0.60	ES				Firm orangey brown silty sandy CLAY. Becoming very silty below 1.0m. <u>PID @ 0.4m = 0.34ppm</u>	
		1.10	ES				<u>PID @ 0.6m = 0.27ppm</u>	
					1.40	14.43	End of borehole at 1.40 m	

Remarks  
Dry and Stable.





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# Borehole Log

Borehole No.

**WS102**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567285 - 145147	Hole Type	WLS
Location:	Paddock Wood, Kent	Level:	15.97	Scale	1:20	Logged By	SSC
Client:	Tunbridge Wells Borough Council	Dates:	25/06/2014 - 25/06/2014				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	15.86		Topsoil
		0.40	ES					Pale grey very sandy MADE GROUND with some fine to coarse gravel of brick, concrete, roots, glass and occasional plastic. <i>PID @ 0.4m = 0.2ppm</i>
		0.50	ES					<i>PID @ 0.5m = 0.15ppm</i>
		0.60			0.60	15.36		Dark brownish grey sandy MADE GROUND with some fine to coarse gravel of ash, charcoal, roots and occasional brick and tile. <i>PID @ 0.7m = 0.1ppm</i>
		0.70	ES					
		1.00	ES		0.90	15.06		Greyish brown silty sandy clay MADE GROUND with some fine to medium gravel of brick, concrete, ash. Some orangish brown iron staining. <i>PID @ 1m = 0.16ppm</i>
		1.30	ES		1.20	14.76		Stiff orangish brown and pale grey silty CLAY with many rootlets, becoming very silty below 2.5m with black speckling (iron). Staining to 2.98m. <i>PID @ 1.3m = 0.15ppm</i> <i>Hand Pen=200kPa</i>
								<i>Hand Pen =500kPa</i>
								<i>Hand Pen=400kPa</i>
		2.70	ES					<i>PID @ 2.7m = 0.13ppm</i>
					3.00	12.96		End of borehole at 3.00 m

Remarks  
3 hand dug pits attempted to progress one hole. Dry and stable. Standpipe installed with gas tap and metal cover.





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# Borehole Log

Borehole No.

**WS103**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567342 - 145171	Hole Type	HA
Location:	Paddock Wood, Kent			Level:	16.02	Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	25/06/2014 - 25/06/2014	Logged By	RB

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
							Light brown silty TOPSOIL.	
		0.15	ES		0.10		Light greyish brown and orangish brown silty clay MADE GROUND.  <u>PID @ 0.3m = 0.15ppm</u>  <u>PID @ 0.5m = 0.2ppm</u>	
		0.30	ES		15.92			
		0.40	ES					
		0.50	ES					
					0.65		Dark brown very silty clay MADE GROUND with fine brick and dark grey silty organic clay pockets.	
		0.90	ES		15.37			
					1.00		Firm to stiff dark grey silty organic CLAY.	
		1.10	ES		15.02		<u>PID @ 1.2m = 0.13ppm</u>	
		1.20	ES					
					2.00		End of borehole at 2.00 m	

Remarks  
Dry and stable.





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# Borehole Log

Borehole No.

**WS104**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567399 - 145113	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	16.29	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	25/06/2014 - 25/06/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.01			0.01	16.28	 <p>Topsoil. Brownish grey sandy gravel MADE GROUND of brick, concrete, granite/roadstone, tile, plastic and rootlets.</p> <p>PID @ 0.3m = 0.17ppm</p> <p>PID @ 0.4m = 0.07ppm</p>	
		0.30	ES					
		0.40	ES					
		0.70	ES		0.70	15.59	 <p>Orangish brown sandy clay MADE GROUND with fine to coarse gravel of flint, concrete, ash and black staining.</p> <p>PID @ 0.7m = 0.09ppm</p>	
		0.80	ES		0.80	15.49		
		0.90	ES				 <p>Reddish brown sandy MADE GROUND with much fine to coarse gravel of brick, concrete, flint and possible gypsum/asbestos.</p> <p>End of borehole at 1.00 m</p>	
		1.00	ES		1.00	15.29		



Remarks  
No further progress below 1.0m due to an obstruction. Dry and stable.





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# Borehole Log

Borehole No.

**WS105**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567405 - 145127	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	16.17	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	25/06/2014 - 25/06/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES		0.05	16.12	<p>Topsoil</p> <p>Grey sandy gravel MADE GROUND of concrete and flint.</p> <p>PID @ 0.1m = 0.13ppm</p>	1
		0.40	ES		0.30	15.87	<p>Orangish brown sandy silty clay MADE GROUND with much fine to coarse gravel of concrete, ash and flint, with much flint gravel at 1.0m</p> <p>PID @ 0.4m = 0.1ppm</p>	
		0.80	ES				<p>PID @ 0.8m = 0.08ppm</p>	
					1.20	14.97	<p>Collapse to 1.1m</p>	
		1.80	ES				<p>Soft pale greenish grey and orangish brown silty sandy CLAY with grey silty partings.</p> <p>PID @ 1.8m = 4.8ppm</p> <p>Black staining and hydrocarbon odour between 1.8 and 2.7m.</p>	2
		2.80	ES				<p>PID @ 2.8m = 1.5ppm</p>	
					3.00	13.17	<p>End of borehole at 3.00 m</p>	3
								4

Remarks  
Borehole collapsed to 1.1m. Standing water level 0.80m.





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# Borehole Log

Borehole No.

**WS106**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567405 - 145105	Hole Type	WLS
Location:	Paddock Wood, Kent	Level:	16.23	Scale	1:20	Logged By	SSC
Client:	Tunbridge Wells Borough Council	Dates:	25/06/2014 - 25/06/2014				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES		0.01	16.22	 Topsoil Brownish grey sandy fine to coarse gravel MADE GROUND of flint, concrete, tile, mortar, ash and ceramic. <i>PID @ 0.1m = 0.03ppm</i>	
		0.50	ES				 <i>PID @ 0.5m = 0.04ppm</i>	
		0.80	ES		0.70	15.53	 Orangish brown and grey silty clay MADE GROUND with much fine to coarse gravel of brick flint and ash. <i>PID @ 0.8m = 0.07ppm</i>	
		1.20	ES		1.00	15.23	 Stiff blue grey and mottled orange silty CLAY <i>PID @ 1.2m = 0.1ppm. Hand Pen =270kPa</i>	
					1.50	14.73	 Stiff orangish brown and greyish brown silty CLAY with some fine to coarse gravel of ironstone. <i>PID @ 2m = 0.02ppm</i>	
		2.00	ES		2.00	14.23	End of borehole at 2.00 m	

Remarks  
Borehole dry and stable. Two hand dug pits attempted to progress 1 borehole.





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# Borehole Log

Borehole No.

**WS107a**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567423 - 145100	Hole Type	HA
Location:	Paddock Wood, Kent			Level:	16.08	Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	25/06/2014 - 25/06/2014	Logged By	RB

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.05			16.03		Topsoil	
		0.20	ES				Pale greyish brown very silty fine sandy gravel MADE GROUND of brick, flint and concrete.  <u>PID @ 0.3m = 0.14ppm</u>	
		0.30	ES					
		0.35			15.73		Greyish brown silty clay MADE GROUND with gravel of flint and concrete. <u>PID @ 0.4m = 0.1ppm</u>	
		0.40	ES					
		0.75	ES				Stiff dark grey silty organic CLAY.  <u>PID @ 1.0m = 0.08ppm</u>	
		0.90			15.18			
		1.10	ES					
		1.20	ES					
		1.90	ES		1.90	14.18	End of borehole at 1.90 m	

Remarks  
Dry and stable. Two hand dug pits attempted to progress one hole.







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# Borehole Log

Borehole No.

**WS107b**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567423 - 145100	Hole Type	HA
Location:	Paddock Wood, Kent			Level:	16.08	Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	25/06/2014 - 25/06/2014	Logged By	RB

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.05	16.03		Topsoil
		0.20	ES					Pale greyish brown very silty fine sandy gravel MADE GROUND of brick, flint and concrete.
		0.30	ES					
		0.40	ES		0.35	15.73		Greyish brown silty clay MADE GROUND with gravel of flint and concrete.
					0.70	15.38		End of borehole at 0.70 m

Remarks  
Dry and stable. Hole terminated at 0.70m due to obstruction.





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# Borehole Log

Borehole No.

**WS108**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567438 - 145114	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	16.10	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	26/06/2014 - 26/06/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10	ES				TOPSOIL. <i>PID @ 0.1m = 0.03ppm</i>		
		0.30	ES		0.20	15.90	Brownish grey sandy gravel MADE GROUND of concrete, brick and flint. <i>PID @ 0.3m = 0.02ppm</i>		
		0.50	ES				<i>PID @ 0.5m = 0.06ppm</i> <i>Some blue staining.</i>		
		0.70	ES		0.60	15.50	Brownish grey sandy clay MADE GROUND with some fine to coarse gravel of flint, brick and concrete. <i>PID @ 0.7m = 0.16ppm</i>		
		1.00	ES				<i>PID @ 1m = 0.13ppm</i> <i>Some black staining between 1.0 and 1.2m.</i>	1	
		1.20	ES		1.20	14.90	Stiff orangish brown and bluish grey silty CLAY with frequent ironstone. <i>PID @ 1.2m = 0.13ppm</i> <i>PID @ 1.3m = 0.09ppm</i> <i>Hand Pen=150kPa</i>		
		1.30	ES						
		1.90	ES		1.80	14.30	Loose orangish brown clayey SAND with frequent fine to coarse gravel of ironstone. <i>PID @ 1.9m = 0.07ppm</i>		
					2.00	14.10	Hard orangish brown and bluish grey silty CLAY with occasional ironstone.	2	
					3.00	13.10	End of borehole at 3.00 m	3	
								4	

Remarks  
Dry and stable.





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# Borehole Log

Borehole No.

**WS109**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567446 - 145110	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.82	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	26/06/2014 - 26/06/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10	ES				TOPSOIL <i>PID @ 0.1m = 0.2ppm</i>		
		0.30	ES		0.20	15.62	Brownish grey sandy gravel MADE GROUND of brick, concrete, flint, tile and clinker. <i>PID @ 0.3m = 0.2ppm</i>		
		0.60	ES		0.50	15.32	Brownish grey sandy clay MADE GROUND with some fine to coarse gravel of brick, concrete, ash, charcoal and occasional fibrous material (suspected ACM) <i>PID @ 0.6m = 0.3ppm</i>		
		1.00	ES		0.80	15.02	Stiff orangish brown and bluish grey mottled silty CLAY. <i>PID @ 1m = 0.38ppm</i>	1	
		1.20	ES				<i>PID @ 1.2m = 0.27ppm</i>		
					1.60	14.22	Loose very sandy CLAY with much ironstone.		
					1.80	14.02	Hard orangish brown and bluish grey silty CLAY with much black specking (ironstone). <i>PID @ 2m = 0.21ppm</i>	2	
		2.00 2.00	ES	N=15 (2,2/4,3,4,4)					
					3.00	12.82	End of borehole at 3.00 m	3	
								4	

Remarks  
Borehole dry and stable.





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# Borehole Log

Borehole No.

**WS110**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567461 - 145120	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.62	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	26/06/2014 - 26/06/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10			0.10	15.52	TOPSOIL	
		0.30	ES				Brownish grey sandy gravelly MADE GROUND with gravel of brick, tile, mortar, flint, ash and charcoal. <i>PID @ 0.3m = 0.3ppm</i>	
		0.40	ES					
		0.70	ES				<i>PID @ 0.7m = 0.2ppm</i>	
		0.80			0.80	14.82	Stiff orangish brown and bluish grey silty CLAY with much ironstone below 1.5m. <i>PID @ 0.9m = 0.2ppm</i> <i>Hand Pen=200kPa</i> <i>PID @ 1.1m = 0.6ppm</i>	
		1.10	ES				<i>Hand Pen=150kPa</i>	
		1.80			1.80	13.82	Medium dense orangish brown clayey SAND with much fine to coarse gravel of ironstone. <i>PID @ 2m = 0.3ppm</i>	
		2.00			2.00	13.62	End of borehole at 2.00 m	
		2.00	ES	N=10 (5,4/2,2,3,3)	2.00	13.62		

Remarks  
Some instability in made ground. Standing water level at 1.20m on completion.





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# Borehole Log

Borehole No.

**WS111**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567461 - 145136	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.70	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	26/06/2014 - 26/06/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
							TOPSOIL	
		0.30	ES		0.20	15.50	Brownish grey sandy gravel MADE GROUND of flint, brick, roadstone, ash, clinker and rootlets. <i>PID @ 0.3m = 0.5ppm</i>	
		0.50	ES				<i>PID @ 0.5m = 0.4ppm</i>	
		0.90	ES		0.70 0.80	15.00 14.90	Dark brownish grey sandy clay MADE GROUND with much fine to coarse gravel of clinker, ash, flint and wood. Stiff bluish grey and orangish brown silty CLAY with occasional black (organic) speckling. <i>PID @ 0.9m = 0.7ppm</i> <i>Hand Pen=200kPa</i>	
		1.50	ES		1.20	14.50	Stiff orangish brown and bluish grey silty CLAY with black staining. <i>Volatile odours in silty partings between 1.4 and 1.7m.</i> <i>PID @ 1.5m = 9.5ppm . Hand Pen @ 1.5m = 300kPa</i>	
		2.00 2.00	ES	N=14 (2,2/3,3,4,4)	2.00	13.70	<i>PID @ 2m = 0.9ppm</i> End of borehole at 2.00 m	

Remarks  
Dry and stable. Two hand dug pits attempted to progress one borehole.





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# Borehole Log

Borehole No.

**WS112**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567478 - 145074	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.78	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	27/06/2014 - 27/06/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	15.68	Asphalt.	
		0.60	ES		0.70	15.08	MADE GROUND. Sub-base of sandy gravel and concrete  PID @ 0.6m = 0.13ppm	
					0.90	14.88	CONCRETE	
		1.00	ES		1.00	14.78	Stiff orangish brown silty CLAY  Stiff pale orangish brown silty CLAY PID @ 1m = 0.07ppm	1
		1.50	ES				PID @ 1.5m = 0.13ppm	
					2.00	13.78	End of borehole at 2.00 m	2
								3
								4

Remarks  
 Dry and stable.





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# Borehole Log

Borehole No.

**WS113**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567453 - 145079	Hole Type	HA
Location:	Paddock Wood, Kent	Level:	15.71	Scale	1:10	Logged By	SSC
Client:	Tunbridge Wells Borough Council	Dates:	26/06/2014 - 26/06/2014				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES				Topsoil.	
		0.20	ES		0.25	15.46	 <u>PID @ 0.2m = 0ppm</u>	
		0.40	ES				 <u>PID @ 0.4m = 0ppm</u>	
		0.60	ES		0.60	15.11	 <u>Brownish grey silty sandy clay MADE GROUND with occasional gravel of brick and clinker.</u>	
					0.70	15.01	 <u>PID @ 0.6m = 0.01ppm</u> End of borehole at 0.70 m	

Remarks  
Borehole terminated at 0.70m due to obstruction. Dry and stable.



1  
2



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# Borehole Log

Borehole No.

**WS114**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567445 - 145084	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.98	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	26/06/2014 - 26/06/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.01			0.01	15.97		Pea shingle. Brown sandy clayey gravel MADE GROUND of brick, flint and plastic sheeting.	
		0.40	ES					<u>PID @ 0.4m = 0.1ppm</u>	
		0.50	ES					<u>PID @ 0.5m = 0.02ppm</u>	
			0.60			0.60	15.38		Dark brown silty sandy clay MADE GROUND with fine to coarse gravel of concrete, brick, clinker, ash.
		0.80	ES				<u>Fragments of wood at 0.6m</u> <u>PID @ 0.8m = 0.01ppm</u>		
			1.00			1.00	14.98		Firm to stiff orange and pale grey mottled silty CLAY, becoming very silty with occasional fine to coarse sandstone gravel below 2.8m.
		1.20	ES						<u>PID @ 1.2m = 0.02ppm</u>
		2.00							<u>PID @ 2m = 0ppm</u> <u>Frequent ironstone below 2m</u>
		2.00	ES	N=20 (3,3/5,4,5,6)					
			2.70						<u>PID @ 2.7m = 0.1ppm</u>
		3.00			3.00	12.98	End of borehole at 3.00 m		

Remarks  
Dry with some instability in made ground. Collapse to 2.7m. Standpipe installed with gas tap and metal cover.







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# Borehole Log

Borehole No.

**WS115**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567405 - 145089	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	16.27	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	27/06/2014 - 27/06/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	16.17		Topsoil
		0.30	ES					Greyish brown gravelly sandy MADE GROUND with much fine to coarse gravel of flint, brick, tile and mortar <i>PID @ 0.3m = 0.25ppm</i> <i>Metal bar at 0.5m</i>
					0.60	15.67		Pale yellowish grey sandy MADE GROUND with some fine to coarse gravel of mortar and brick
		0.90	ES		0.80	15.47		Dark grey sandy clay MADE GROUND with occasional brick gravel <i>PID @ 0.9m = 0.24ppm</i>
					1.00	15.27		Firm bluish grey and black speckled silty CLAY
		1.15	ES		1.10	15.17		Firm to stiff bluish grey and orangish brown mottled sandy silty CLAY <i>PID @ 1.15m = 0.24ppm</i>
					1.20	15.07		Stiff orangish brown very sandy CLAY with much fine to coarse gravel and ironstone <i>Hand Pen=160kPa</i>
					1.50	14.77		Stiff orangish brown and bluish grey mottled CLAY <i>Hand Pen=120kPa</i>
		2.00	ES					<i>PID @ 2m = 0.21ppm</i>
					2.20	14.07	End of borehole at 2.20 m	

Remarks  
Dry and stable.





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# Borehole Log

Borehole No.

**WS116**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567406 - 145067	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.93	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	27/06/2014 - 27/06/2017	Logged By	GW

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.05			0.05	15.88	Turf over topsoil with frequent rootlets Desiccated slightly sandy very gravelly MADE GROUND with brick, flint, charcoal, mortar and plaster <i>PID @ 0.2m = 0.03ppm</i>	
		0.20	ES		0.25	15.68		
		0.40	ES				CONCRETE with some fine to coarse gravel of asphalt and granite. <i>PID @ 0.4m = 1.2ppm</i> <i>PID @ 0.5m = 1.5ppm</i>	
		0.50	ES		0.60	15.33		
		0.80	ES				Stiff friable orangish brown sandy silty CLAY with occasional flint gravel, relic rootlets and ironstone. <i>PID @ 0.8m = 0.17ppm</i> <i>PID @ 0.9m = 0.2ppm</i>	
		0.90	ES		1.00	14.93		
		End of borehole at 1.00 m						1
								2
								3
								4

Remarks  
Borehole collapse in made ground and concrete, obstructing drilling and knocking the rig off vertical. Three hand dug starter pits attempted to progress to 1.0m each. Two were abandoned. Dry.





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# Borehole Log

Borehole No.

**WS117**

Sheet 1 of 1

Project Name: Former Halls Site, Paddock Wood

Project No. LP00762

Co-ords: 567395 - 145072

Hole Type WLS

Location: Paddock Wood, Kent

Level: 16.09

Scale 1:20

Client: Tunbridge Wells Borough Council

Dates: 27/06/2014 - 27/06/2017

Logged By SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10	ES		0.15	15.94	 Topsoil <i>PID @ 0.1m = 0.06ppm</i>		
		0.40	ES				 Brownish grey sandy clay MADE GROUND with some fine to coarse gravel of flint, roadstone, ash, iron staining. <i>PID @ 0.4m = 0.05ppm</i> <i>PID @ 0.5m = 0.07ppm</i> <i>Much sand between 0.5 and 0.6</i>		
		0.50	ES						
		0.90	ES		0.80	15.29	 Dark grey and black silty clay MADE GROUND <i>PID @ 0.9m = 32ppm</i>		
		1.00		N=12 (1,2/2,2,4,4)	0.95	15.14	 Stiff bluish grey and orangish brown silty slightly sandy CLAY <i>Hand Pen=250kPa</i>	1	
		2.00		N=18 (2,2/4,4,5,5)	1.90	14.19	 Hard pale orange and grey silty CLAY <i>Too hard to take Hand Pen readings</i> <i>PID @ 2.3m = 0.5ppm</i> <i>PID @ 3.0m = 0.42ppm</i>	2	
		2.30	ES						
		3.00	ES		3.00	13.09	End of borehole at 3.00 m	3	
								4	

Remarks  
Borehole dry and stable. Two hand dug starter pits, attempted to progress one borehole.





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# Borehole Log

Borehole No.

**WS118**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567370 - 145064	Hole Type	WLS
Location:	Paddock Wood, Kent	Level:	16.15	Scale	1:20	Logged By	GW
Client:	Tunbridge Wells Borough Council	Dates:	27/06/2014 - 27/06/2014				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
							<p>Topsoil. Suspected asbestos containing material in topsoil. <i>Suspected asbestos fibres in topsoil</i></p> <p>PID @ 0.4m = 0.08ppm</p>	
		0.40	ES		0.45	15.70	<p>Asbestos sheet over CONCRETE PID @ 0.5m = 0.05ppm</p>	
		0.50	ES		0.65	15.50	<p>Loose dark blackish brown sandy clay MADE GROUND with occasional brick gravel and frequent rootlets. PID @ 0.7m = 0.1ppm</p>	
		0.70	ES		0.85	15.30	<p>Firm to stiff pale brownish grey and orangish brown mottled slightly sandy very silty CLAY with ironstone and very occasional gravel PID @ 1.1m = 0.26ppm</p>	
		1.00		N=8 (1,1/2,1,3,2)	1.35	14.80	<p>Stiff dark orangish brown silty CLAY with ironstone. Loose dark orangish brown silty clayey very gravelly SAND with black ironstone and fine to coarse flint gravel</p>	
		1.10	ES		1.40	14.75		
					1.70	14.45	<p>Stiff orangish brown and bluish grey mottled silty CLAY with blackish ironstone and relic roots.</p>	
		2.00		N=14 (2,2/3,3,4,4)			<p>PID @ 2.4m = 0.33ppm</p>	
		2.40	ES		2.80	13.35		
					3.00	13.15	<p>Orangish brown bedded silty fine SAND with ironstone.</p>	
						<p>End of borehole at 3.00 m</p>		

Remarks  
Borehole dry and stable. Three hand dug pits attempted to progress one borehole. Standpipe installed with gas tap and metal cover.





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# Borehole Log

Borehole No.

**WS119a**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567372 - 145084	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	16.10	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	27/06/2014 - 27/06/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
							Topsoil	
		0.20	ES		0.15	15.95	Brownish grey sandy clayey MADE GROUND with occasional fine to coarse gravel of brick, ash and flint. <i>PID @ 0.2m = 0.14ppm</i>	
		0.50	ES		0.60	15.50	<i>PID @ 0.5m = 0.15ppm</i>	
		0.70	ES		0.65	15.45	Black and grey fine to coarse gravel MADE GROUND of ash and clinker.	
					0.70	15.40	Concrete slab. MADE GROUND	
							Stiff bluish grey and orangish brown mottled silty CLAY with much ironstone below 1.5m. <i>PID @ 0.7m = 0.1ppm</i>	
							<i>Hand Pen=350kPa</i>	
		1.20	ES				<i>PID @ 1.2m = 0.15ppm</i>	
					2.00	14.10	<i>Hand Pen=400kPa</i>	
							End of borehole at 2.00 m	

Remarks  
Dry and stable.





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# Borehole Log

Borehole No.

**WS119b**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567372 - 145084	Hole Type	HA
Location:	Paddock Wood, Kent			Level:	16.10	Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	27/06/2014 - 27/06/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
							Topsoil	
		0.20	ES		0.15	15.95	Brownish grey sandy clayey MADE GROUND with occasional fine to coarse gravel of brick, ash and flint.	
		0.50	ES		0.60	15.50		
					0.70	15.40	Breeze block and concrete. MADE GROUND	
							End of borehole at 0.70 m	

Remarks  
 Borehole terminated at 0.70m due to concrete obstruction.





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# Borehole Log

Borehole No.

**WS120**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567381 - 145105	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	16.00	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	04/07/2014 - 04/07/2014	Logged By	TH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	15.90		TOPSOIL
		0.20	ES					Brown gravelly silty clay MADE GROUND with fine to coarse gravel of flint, brick, concrete and plastic.
					0.70	15.30		CONCRETE.
					0.80	15.20		Firm brown silty CLAY.
					0.90	15.10		Firm to stiff bluish grey and orangish brown mottled silty CLAY with hydrocarbon odour.
		1.20	ES					PID @ 1.2m = 6ppm
					1.30	14.70		Stiff light grey and orangish brown mottled CLAY with slight hydrocarbon odour to 2.8m. Free product along tree roots.
		1.80	ES					PID @ 1.8m = 50ppm
		2.20	ES					PID @ 2.2m = 5.3ppm
								No odours below 2.8m
		3.00	ES		3.00	13.00		PID @ 3m = 2.2ppm
								End of borehole at 3.00 m

Remarks  
Borehole dry and stable.





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# Borehole Log

Borehole No.

**WS121**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567371 - 145123	Hole Type	WLS
Location:	Paddock Wood, Kent	Level:	16.09	Scale	1:20	Logged By	SSC, TH
Client:	Tunbridge Wells Borough Council	Dates:	04/07/2014 - 04/07/2014				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20			0.20	15.89	<p>TOPSOIL with some fine to coarse gravel of clinker, brick and chalk</p>		
		0.30	ES				<p>Brownish grey sandy gravelly clay MADE GROUND with much fine to coarse gravel of flint, concrete, mortar, chalk, brick and ash.            PID @ 0.3m = 0.05ppm            PID @ 0.4m = 0.02ppm</p>		
		0.40	ES						
		0.60	ES					PID @ 0.6m = 0ppm	
						0.90	15.19	<p>CONCRETE with metal reinforcement bar.</p>	1
						1.10	14.99	<p>Firm to stiff orangish brown and bluish grey silty CLAY, becoming sandy at 1.3m with strong hydrocarbon odours to 1.6m, and much fine to coarse gravel of siltstone below 2.8m.            PID @ 1.2m = 0.05ppm            PID @ 1.4m = 55ppm</p>	
		1.20	ES	N=37 (11,11/11,9,8,9)					
		1.40	ES				PID @ 1.7m = 3.1ppm		
		1.70	ES						
						2.00		<p>PID @ 3.0m = 0.89ppm</p>	2
			N=12 (1,1/3,3,3,3)						
					3.00	13.09	End of borehole at 3.00 m	3	
		3.00	ES	N=22 (3,3/4,5,6,7)	3.00			4	

Remarks  
Borehole dry and stable. Standpipe installed to 3m with gas tap and metal cover.







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# Borehole Log

Borehole No.

**WS122**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567366 - 145103	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	16.15	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	04/07/2014 - 04/07/2014	Logged By	SSC, TH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.20	15.95		TOPSOIL with some fine to coarse gravel of flint, shale and occasional plastic fragments.	
		0.30	ES					Brownish grey sandy slightly clayey gravel MADE GROUND of concrete and bricks. <i>PID @ 0.3m = 0ppm</i>	
		0.50	ES					<i>PID @ 0.5m = 0.1ppm</i>	
		0.70	ES		0.70	15.45		Black sandy gravel MADE GROUND of asphalt, clinker, charcoal. (possible sub-base to old concrete)	
		0.80	ES		0.90	15.25		<i>PID @ 0.8m = 0.1ppm</i>	
		1.00		N=9 (2,2/2,2,2,3)				Stiff blackish grey silty CLAY with organic speckling.	1
		1.20			1.20	14.95		Firm to stiff orangish brown and grey mottled CLAY with layers of fine to medium sand below 1.3m, black staining and hydrocarbon odours.	
		1.40	ES					<i>PID @ 1.4m = 10ppm</i>	
		1.90	ES					<i>PID @ 1.9m = 22ppm</i>	
		2.00		N=15 (3,3/3,3,4,5)					2
		2.20			2.20	13.95		Stiff to hard pale orangish brown and bluish grey silty CLAY.	
		3.00	ES					<i>PID @ 3.0m = 0.3ppm</i>	
		3.00		N=20 (3,3/3,4,5,8)	3.00	13.15		End of borehole at 3.00 m	3
									4

Remarks  
Borehole dry and stable.





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# Borehole Log

Borehole No.

**WS123**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567294 - 145119	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	16.08	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	02/07/2014 - 02/07/2014	Logged By	SSC, TH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.05			0.05	16.03	 Gravel, with membrane at base. MADE GROUND. Brownish grey clayey sandy gravel MADE GROUND of flint, concrete, brick, rootlets, chalk, clinker, becoming very clayey below 0.4m.	
		0.20	ES					
		0.40	ES					
					0.50	15.58	End of borehole at 0.50 m	



Remarks  
Borehole terminated at 0.50m due to obstruction. Dry and stable.





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# Borehole Log

Borehole No.

**WS124**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567372 - 145176	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.41	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	30/06/2014 - 30/06/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES		0.15	15.26	TOPSOIL with fine to medium gravel of glass, chalk and flint.	
		0.30	ES				Brownish grey sandy MADE GROUND with some fine to coarse gravel of concrete, wood, flint, brick and occasional suspected asbestos tile. <u>PID @ 0.3m = 0.4ppm</u> <u>PID @ 0.4m = 0.5ppm</u>	
		0.40	ES		0.50	14.91		
		0.60	ES		0.80	14.61	Brownish grey sandy MADE GROUND with fine to coarse gravel of concrete. <u>PID @ 0.6m = 0.1ppm</u>	
		0.90	ES		0.90	14.51		
					1.20	14.21	Stiff orangish brown slightly sandy (fine) silty CLAY. <u>Hand Pen=200kPa</u>	
		2.00	ES		2.00	13.41	Firm bluish grey and orange mottled silty CLAY. <u>PID @ 0.9m = 0.11ppm</u>	
							End of borehole at 2.00 m	

Remarks  
Borehole dry and stable. Two hand dug pits attempted to progress one borehole.





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# Borehole Log

Borehole No.

**WS125**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567385 - 145175	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.56	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	30/06/2014 - 30/06/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.05	ES		0.10	15.46	Topsoil.	
					0.20	15.36	Grey sandy MADE GROUND with gravel and brick.	
		0.50	ES				Orangish brown and grey clay MADE GROUND with much fine to coarse gravel of concrete, flint, roots and metal fragments.	
		0.80	ES		0.75	14.81	Orangish brown sandy clayey gravel MADE GROUND with brick and concrete.	
		1.10	ES		1.00	14.56	Stiff bluish grey and orangish brown mottled silty CLAY with hydrocarbon odour in bluish grey silt. Less hydrocarbon staining below 1.5m, but with strong hydrocarbon odours to 2.2m. <i>PID @ 1.1m = 6.7ppm</i>	
		1.50	ES				<i>PID @ 1.5m = 19.8ppm</i>	
		1.90	ES				<i>PID @ 1.9m = 27.3ppm</i>	
		2.00		N=15 (2,3/3,4,4,4)				
		2.30	ES				<i>PID @ 2.3m = 0.5ppm</i>	
		2.50	ES				<i>PID @ 2.5m = 0.31ppm</i>	
		3.00		N=53 (7,8/9,10,17,17)	3.00	12.56	End of borehole at 3.00 m	

Remarks  
Borehole dry and stable.





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# Borehole Log

Borehole No.

**WS126a**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567408 - 145179	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.38	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	30/06/2014 - 30/06/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.15	ES		0.20	15.18	<p>TOPSOIL with some fine to coarse gravel of brick, tile, concrete, flint, glass and occasional chalk</p> <p><i>PID @ 0.15m = 0.21ppm</i></p>	
		0.40	ES		0.60	14.78	<p>Brownish grey and red sandy MADE GROUND with gravel of concrete, brick, flint, tile, and occasional ceramic, rootlets and slate.</p> <p><i>PID @ 0.4m = 0.21ppm</i></p>	
		0.70	ES		0.70	14.68	<p>Orangish brown sandy silty clay MADE GROUND with fine to coarse gravel of flint, brick, concrete and occasional nails.</p> <p><i>PID @ 0.7m = 0.9ppm</i></p> <p>End of borehole at 0.70 m</p>	



Remarks  
Borehole terminated at 0.70m due to concrete obstruction. Dry and stable.





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# Borehole Log

Borehole No.

**WS126b**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567408 - 145179	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.38	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	30/06/2014 - 30/06/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.15	ES		0.20	15.18	TOPSOIL with some fine to coarse gravel of brick, tile, concrete, flint, glass and occasional fine to coarse gravel of chalk.	
		0.40	ES				Brownish grey and red sandy MADE GROUND with gravel of concrete, brick, flint, tile, and occasional ceramic, rootlets and occasional pieces of shale and slate.	
		0.70	ES		0.60 0.70	14.78 14.68	Orangish brown sandy silty clay MADE GROUND with fine to coarse gravel of flint, brick, concrete, rootlets and occasional nails. End of borehole at 0.70 m	



Remarks  
Borehole terminated at 0.70m due to concrete obstruction. Dry and stable.





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# Borehole Log

Borehole No.

**WS126c**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567408 - 145179	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.38	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	30/06/2014 - 30/06/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.13	ES		0.20	15.18	TOPSOIL with some fine to coarse gravel of brick, tile, concrete, flint, glass and occasional chalk	
		0.40	ES				Brownish grey and red sandy MADE GROUND with gravel of concrete, brick, flint, tile, and occasional ceramic, rootlets and slate.	
		0.70	ES		0.70	14.68	End of borehole at 0.70 m	



Remarks  
 Borehole terminated at 0.70m due to concrete obstruction. Dry and stable.





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# Borehole Log

Borehole No.

**WS127**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567439 - 145185	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.51	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	30/06/2014 - 30/06/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	15.41	Pea shingle.	
		0.40	ES				Brown sandy clay MADE GROUND with much fine to coarse gravel of brick, charcoal and flint.	
							<i>PID @ 0.4m = 0.15ppm</i>	
		0.60	ES					
							<i>PID @ 0.6m = 0.1ppm</i>	
					0.80	14.71		
					0.90	14.61	Dark brownish grey sandy silty clay MADE GROUND with some fine to coarse gravel of concrete and flint.	
		1.00	ES				Firm pale greyish blue CLAY with much iron staining and ironstone between 1.5 and 1.6m. Slight hydrocarbon odour.	1
							<i>PID @ 1m = 0.12ppm</i>	
		1.50	ES					
					1.60	13.91	Stiff hard silty pale blue and orange mottled CLAY.	
							<i>PID @ 1.5m = 0.11ppm</i>	
		2.00	ES					
							<i>PID @ 2m = 0.1ppm</i>	2
		3.00	ES		3.00	12.51		
							<i>PID @ 3m = 0.09ppm</i>	
							End of borehole at 3.00 m	3
								4

Remarks  
Borehole dry and stable.







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# Borehole Log

Borehole No.

**WS128a**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567443 - 145164	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.81	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	30/06/2014 - 30/06/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES		0.20	15.61	 TOPSOIL with some fine to medium gravel of flint and brick. <i>PID @ 0.1m = 0.01ppm</i>	
		0.30	ES					
		0.40	ES				 Brownish grey sandy gravel MADE GROUND of flint, concrete, brick, rootlets, shale and occasional ash. <i>PID @ 0.3m = 0.24ppm</i> <i>PID @ 0.4m = 0.07ppm</i> <i>PID @ 0.6m = 0.09ppm</i>	
		0.60	ES		0.60	15.21		
End of borehole at 0.60 m								



Remarks  
 Borehole terminated at 0.60m due to concrete obstruction. Dry and stable.





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# Borehole Log

Borehole No.

**WS128b**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567443 - 145164	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.81	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	30/06/2014 - 30/06/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES				TOPSOIL with some fine to medium gravel of flint and brick.	
		0.30	ES		15.61		Plastic sheeting over pale yellow sand. MADE GROUND.	
				0.40	15.41		----- End of borehole at 0.40 m	



Remarks  
 Borehole terminated at 0.40m due to concrete obstruction. Dry an stable.





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# Borehole Log

Borehole No.

**WS128c**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567443 - 145164	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.81	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	30/06/2014 - 30/06/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES				TOPSOIL with some fine to medium gravel of flint and brick.	
		0.20			15.61		Cobbles of CONCRETE.	
		0.30	ES				Plastic sheeting, and pale yellow sand. MADE GROUND.	
				0.40	15.41			
				0.50	15.31		End of borehole at 0.50 m	



Remarks  
 Borehole terminated at 0.50m due to concrete obstruction. Dry and stable.





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# Borehole Log

Borehole No.

**WS129**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567450 - 145187	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.48	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	30/06/2014 - 30/06/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10	ES		0.20	15.28		TOPSOIL	
		0.30	ES					Brown slightly sandy gravel MADE GROUND with much fine to coarse gravel of flint, brick, and occasional ash.	
		0.70	ES		0.60	14.88		Brownish grey sandy clay MADE GROUND with some fine to coarse gravel of concrete, ash and mortar.	
					1.00	14.48		Firm to stiff orangish brown and bluish grey silty CLAY with frequent ironstone.	1
		1.50	ES		1.50	13.98		Stiff pale bluish grey silty CLAY. Strong hydrocarbon odours and staining (becoming fainter below 2m.)	
		1.70	ES					<u>PID @ 1.5m = 10ppm</u> <u>PID @ 1.7m = 11.1ppm</u>	
		1.90	ES					<u>PID @ 1.9m = 15ppm</u>	
		2.00	ES					<u>PID @ 2m = 2ppm</u>	2
		2.50	ES					<u>PID @ 2.5m = 15ppm</u>	
		2.70	ES					<u>PID @ 2.7m = 10ppm</u>	
		3.00	ES		3.00	12.48		<u>PID @ 3m = 28ppm</u>	3
								End of borehole at 3.00 m	4

Remarks  
Borehole dry and stable.





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# Borehole Log

Borehole No.

**WS130**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567493 - 145191	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.34	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	01/07/2014 - 01/07/2014	Logged By	TH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.05			0.05	15.29	Gravel and granite, with fabric membrane at base. MADE GROUND. Brownish sandy gravel MADE GROUND of brick, flint, granite, ash and charcoal. <i>PID @ 0.3m = 0.01ppm</i>	
		0.30	ES		0.35	14.99	Brown and red fine to coarse gravel MADE GROUND of ash, flint, roadstone, asphalt, concrete and brick. <i>PID @ 0.4m = 0.13ppm</i>	
		0.40	ES		0.45	14.89		
		0.60	ES		0.75	14.59	Brownish grey sandy silty gravel MADE GROUND of concrete, brick, and roadstone, with cobbles and blocks of concrete. <i>PID @ 0.6m = 0.16ppm</i> <b>CONCRETE.</b>	
		0.90	ES		0.90	14.44		
							Concrete obstruction. No further progress. <i>PID @ 0.9m = 0.11ppm</i> <i>PID @ 0.90m = 0.11ppm</i> End of borehole at 0.90 m	

Remarks  
Borehole terminated at 0.90m due to concrete obstruction. Dry and stable.





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# Borehole Log

Borehole No.

**WS131**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567494 - 145168	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.51	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	01/01/2014 - 01/01/2014	Logged By	TH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.05			0.05	15.46	 <p>Paving slab and sub-base. Brown and orangish brown sandy fine to coarse gravel MADE GROUND of flint, brick and concrete. Occasional cobbles of flint and concrete, and rare metal fragments.</p> <p>PID @ 0.4m = 1.2ppm</p> <p>PID @ 0.5m = 0.2ppm</p> <p>PID @ 0.8m = 0.19ppm</p> <p>End of borehole at 0.85 m</p>	
		0.40	ES					
		0.50	ES					
		0.80	ES		0.85	14.66		



Remarks  
Instability in pit. Too gravelly to continue below 0.85m. Borehole terminated at 0.85m. Dry.





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# Borehole Log

Borehole No.

**WS132**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567492 - 145124	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.39	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	01/07/2014 - 01/07/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES				Topsoil.	
		0.30	ES		0.20	15.19	Dark brown slightly clayey sand MADE GROUND with fine to coarse gravel of concrete, flint and brick. <i>PID @ 0.3m = 0.1ppm</i>	
		0.60	ES		0.50	14.89	Dark grey and blackish brown gravelly clay MADE GROUND. Gravel is fine to medium brick, clinker, flint and occasional wood. Some black (organic) staining. <i>PID @ 0.6m = 0.7ppm</i>	
		1.00	ES		0.80	14.59	Firm to stiff bluish grey and orangish brown mottled CLAY. Becoming stiff below 1m, and stiff/hard below 1.3m <i>PID @ 1m = 0.2ppm</i>	
		2.00	ES				<i>PID @ 2m = 0ppm</i>	
					2.20	13.19	End of borehole at 2.20 m	

Remarks  
Borehole dry and stable.





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# Borehole Log

Borehole No.

**WS133a**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567461 - 145152	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.56	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	01/07/2014 - 01/07/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	15.46		Topsoil.
		0.20	ES		0.25	15.30		Dark brown gravelly silt MADE GROUND with fine to coarse gravel of flint, brick, glass, concrete and possible asbestos containing material.
		0.40	ES		0.35	15.20		
		0.50	ES					Brownish grey MADE GROUND with fine to coarse gravel of flint, and brick.
					0.60	14.96		Brownish grey clay MADE GROUND with fine to coarse gravel of brick, flint and plastic.
								PID @ 0.4m = 0.1ppm PID @ 0.5m = 0.1ppm End of borehole at 0.60 m



Remarks  
Borehole terminated at 0.60m due to concrete obstruction.







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# Borehole Log

Borehole No.

**WS133b**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567461 - 145152	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.56	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	01/07/2014 - 01/07/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	15.46		Topsoil.
		0.40	ES					Light brownish grey clay MADE GROUND with fine to coarse gravel of brick, flint and concrete.
		0.50	ES					PID @ 0.4m = 0.1ppm
								PID @ 0.5m = 0.1ppm
		0.70	ES		0.60	14.96		Dark brownish grey clay MADE GROUND with fine to coarse gravel of flint, concrete, brick, and occasional organic staining.
								PID @ 0.7m = 0.36ppm
		1.00	ES		0.90	14.66		Stiff bluish grey CLAY with partings of very weak yellowish brown mudstone, becoming interbedded light bluish grey clay and very weak dark brownish mudstone. Hydrocarbon odours to 1.1m.
								PID @ 1.0m = 0.12ppm
		1.30	ES					PID @ 1.3m = 0.2ppm
								Thin beds of weak ironstone towards base.
					2.20	13.36		End of borehole at 2.20 m

Remarks  
Borehole stable. Water seepage at 1.6m. Standing water level at 2.1m on completion.





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# Borehole Log

Borehole No.

**WS134**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567462 - 145141	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.43	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	01/07/2014 - 01/07/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20	15.23		Topsoil with fine to coarse gravel of flint and brick.
		0.30	ES		0.35	15.08		Orangish brown and light grey gravelly clay MADE GROUND. Gravel is fine to coarse of flint and brick.
		0.40	ES					PID @ 0.3m = 0ppm
		0.60	ES					Dark brownish grey gravelly clay MADE GROUND. Gravel is fine to coarse of brick, clinker, flint and concrete.
								PID @ 0.4m = 0ppm
								PID @ 0.6m = 0ppm
					0.80	14.63		Firm to stiff bluish grey and brown mottled silty CLAY. Becoming stiff below 1m. Becoming sandy and gravelly below 1.1m. Gravel is fine to medium ironstone.
		1.20	ES		1.30	14.13		PID @ 1.2m = 0ppm
								Stiff bluish grey and orangish brown mottled silty CLAY.
					2.00	13.43		End of borehole at 2.00 m

Remarks  
Borehole stable. Water ponding in base on completion.





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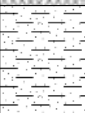

# Borehole Log

Borehole No.

**WS135**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567447 - 145147	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.48	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	01/07/2014 - 01/07/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES		0.15	15.33	 Topsoil with occasional fine to medium gravel of brick and flint. <i>PID @ 0.1m = 0.02ppm</i>	
		0.30	ES				 Brown sandy MADE GROUND with much gravel of flint, concrete, brick and occasional ash. <i>PID @ 0.3m = 0.04ppm</i>	
		0.80	ES		0.70	14.78	 Brown sandy silty clay MADE GROUND with occasional fine to coarse gravel of flint, brick, ash and charcoal. <i>PID @ 0.8m = 0.6ppm</i>	
		1.10	ES		1.00	14.48	 Firm orangish brown and bluish grey sandy CLAY. Sand is fine to medium. <i>PID @ 1.1m = 0.8ppm</i>	
		1.50	ES		1.30	14.18	 Firm to stiff orangish brown sandy silty CLAY with grey silt. <i>PID @ 1.5m = 0.1ppm</i>	
					2.00	13.48	End of borehole at 2.00 m	

Remarks  
Borehole dry and stable.





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# Borehole Log

Borehole No.

**WS136a**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567397 - 145140	Hole Type	HA
Location:	Paddock Wood, Kent			Level:	15.96	Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	04/07/2014 - 04/07/2014	Logged By	TH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.02			0.02	15.94	 Pea shingle over geofabric. MADE GROUND. Dark grey sandy gravelly clay MADE GROUND. Gravel is fine to coarse flint.  PID @ 0.3m = 0ppm	
		0.30	ES		0.35	15.61		
		0.40	ES		0.50	15.46	 Brown sandy gravelly clay MADE GROUND, with fine to coarse gravel of flint, brick, concrete, plastic and clinker. PID @ 0.4m = 0.03ppm	
							End of borehole at 0.50 m	

Remarks  
Dry and stable. Borehole terminated at 0.50m due to concrete slab.



1  
2



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# Borehole Log

Borehole No.

**WS136b**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567397 - 145140	Hole Type	HA
Location:	Paddock Wood, Kent			Level:	15.96	Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	04/07/2014 - 04/07/2014	Logged By	TH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.02			0.02	15.94		Pea shingle over geofabric. MADE GROUND. Dark grey sandy gravelly clay MADE GROUND. Gravel is fine to coarse flint.
		0.30	ES		0.35	15.61		
		0.40	ES		0.50	15.46		Brown sandy gravelly clay MADE GROUND with fine to coarse gravel of flint, brick, concrete, plastic and clinker.
								End of borehole at 0.50 m

Remarks  
Dry and stable. Borehole terminated at 0.50m due to concrete slab.





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# Borehole Log

Borehole No.

**WS136c**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567397 - 145140	Hole Type	HA
Location:	Paddock Wood, Kent			Level:	15.96	Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	04/07/2014 - 04/07/2014	Logged By	TH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.02			0.02	15.94		Pea shingle over geofabric. MADE GROUND. Dark grey sandy gravelly clay MADE GROUND. Gravel is fine to coarse flint.
		0.30	ES		0.35	15.61		
		0.40	ES		0.50	15.46		Brown sandy gravelly clay MADE GROUND with fine to coarse gravel of flint, brick, concrete, plastic and clinker.
								End of borehole at 0.50 m

1

2

Remarks  
Dry and stable. Borehole terminated at 0.50m due to concrete slab.





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# Borehole Log

Borehole No.

**WS137a**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567387 - 145133	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	16.31	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	04/07/2014 - 04/07/2014	Logged By	SSC, TH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.02			0.02	16.29	 Pea shingle over geofabric. MADE GROUND Grey and brown gravelly sandy clay MADE GROUND. Gravel is fine to coarse of brick, flint and clinker, with occasional cobbles of concrete and brick. PID @ 0.3m = 0.1ppm PID @ 0.4m = 0.1ppm	
		0.30	ES					
		0.40	ES					
					0.50	15.81	End of borehole at 0.50 m	



Remarks  
 Dry and stable. Borehole terminated at 0.50m due to concrete slab.





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# Borehole Log

Borehole No.

**WS137b**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567387 - 145133	Hole Type	HA
Location:	Paddock Wood, Kent			Level:	16.31	Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	04/07/2014 - 04/07/2014	Logged By	SSC, TH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.02			0.02	16.29	 Pea shingle over geofabric. MADE GROUND. Grey and brown gravelly sandy clay MADE GROUND. Gravel is fine to coarse of brick, flint and clinker, with occasional cobbles of concrete and brick, and occasional fragments of plastic and wood.	
		0.20	ES					
		0.30	ES					
		0.40	ES					
					0.50	15.81	End of borehole at 0.50 m	

Remarks  
Dry and stable. Borehole terminated at 0.50m due to concrete slab.







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# Borehole Log

Borehole No.

**WS138**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567328 - 145121	Hole Type	WLS
Location:	Paddock Wood, Kent	Level:	16.50	Scale	1:20	Logged By	SSC
Client:	Tunbridge Wells Borough Council	Dates:	02/07/2014 - 02/07/2014				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.10	16.40	Gravel.		
		0.30	ES		0.50	16.00	Brownish grey clayey gravel of brick, concrete, flint, chalk, mortar and occasional clinker. MADE GROUND <i>PID @ 0.3m = 0.08ppm</i>		
					0.60	15.90		Brownish grey fine to coarse flint gravel MADE GROUND.	
		0.90	ES				Pale greyish brown silty clay MADE GROUND with some fine to coarse gravel of brick, concrete and ash <i>PID @ 0.9m = 0.21ppm</i>		
					1.10	15.40		Firm bluish grey silty CLAY with some black organic speckling and organic odours.	
		1.50	ES				Firm bluish grey silty CLAY with some black organic speckling and organic odours. <i>PID @ 1.5m = 0.9ppm</i>		
					1.90	14.60		Stiff orangish brown and grey silty CLAY with some black staining and odours with clay pipe at 2.0m (old land drain). Odeorous gravel and water in land drain.	
		2.00	ES	N=12 (2,2/2,3,3,4)		2.00	14.50	Stiff pale orangish brown and bluish grey silty CLAY. <i>PID @ 2m = 89ppm</i> <i>PID @ 2.1m = 1ppm</i>	
		2.10	ES						
		3.00		N=34 (2,2/6,7,10,11)	3.00	13.50		End of borehole at 3.00 m	

Remarks  
Standpipe installed to 3.0m with gas tap and metal cover. Slow water ingress from suspected land drain. Stable.





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# Borehole Log

Borehole No.

**WS140a**

Sheet 1 of 1

Project Name: Former Halls Site, Paddock Wood

Project No.  
LP00762

Co-ords: 567322 - 145087

Hole Type  
WLS

Location: Paddock Wood, Kent

Level: 16.46

Scale  
1:20

Client: Tunbridge Wells Borough Council

Dates: 02/07/2014 - 02/07/2014

Logged By  
SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10			0.10	16.36	<p>TOPSOIL with some fine to coarse gravel of flint, brick and ash.</p> <p>Orange and grey silty sandy clay MADE GROUND with much fine to coarse gravel of brick, flint, concrete, some plastic mesh fragments, metal sheet fragments, and some gravel of breeze block and clinker.</p>	
		0.30	ES					
		0.50	ES					
		0.80	ES					
					0.86	15.60	End of borehole at 0.86 m	

1  
2  
3  
4

Remarks  
Borehole terminated at 0.86m due to concrete obstruction. Dry and stable.





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# Borehole Log

Borehole No.

**WS140b**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567322 - 145087	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	16.46	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	02/07/2014 - 02/07/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.30	ES		0.10	16.36	Pea shingle with membrane at base. MADE GROUND	
					0.85	15.61	Dark brown sandy clay MADE GROUND with much fine to coarse gravel of brick, concrete, ash, flint and rootlets.	
End of borehole at 0.85 m								



Remarks  
 Borehole terminated at 0.85m due to concrete obstruction. Dry and stable.





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# Borehole Log

Borehole No.

**WS140c**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567322 - 145087	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	16.46	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	02/07/2014 - 02/07/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.30	ES		0.10	16.36	 Pea shingle with membrane at base. MADE GROUND Dark brown sandy clay MADE GROUND with much fine to coarse gravel of brick, concrete, ash, flint and rootlets.	
					0.85	15.61		
<p style="text-align: right;">End of borehole at 0.85 m</p>								



Remarks  
Borehole terminated at 0.85m due to concrete obstruction. Dry and stable.





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# Borehole Log

Borehole No.

**WS141**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567306 - 145085	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	16.56	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	02/07/2014 - 02/07/2014	Logged By	SSC, TH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.02			0.02	16.54	TOPSOIL. Fine to coarse gravel MADE GROUND of brick and concrete.	1
		0.30			0.30	16.26	Pale brownish grey sandy silty clay MADE GROUND. Very desiccated, with some fine to coarse gravel of clinker, concrete, brick, rootlets. Potential ACM at 0.80m. <u>PID @ 0.4m = 0.11ppm</u>	
		0.40	ES					
		0.80	ES				<u>PID @ 0.8m = 0.1ppm. Suspected ACM @ 0.8m</u>	
		1.00		N=9 (2,3/2,2,2,3)	1.10	15.46	Stiff grey and pale orangish grey silty CLAY.	2
		2.00		N=14 (2,2/3,3,4,4)				
		2.40			2.40	14.16	Stiff pale orangish grey silty CLAY with some fine to coarse gravel of mudstone or siltstone. <u>PID @ 2.5m = 0.1ppm</u>	
		3.00		N=31 (5,7/7,8,8,8)	3.00	13.56	End of borehole at 3.00 m	3
								4

Remarks  
Borehole dry and stable.





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# Borehole Log

Borehole No.

**WS142**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567287 - 145135	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	16.05	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	02/07/2014 - 02/07/2014	Logged By	TH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
							Off white sandy medium to coarse gravel. Sub-base MADE GROUND.	
		0.60	ES		0.50		Dark greyish black sand and fine to coarse gravel MADE GROUND of clinker and flint. <i>PID @ 0.6m = 0.01ppm</i>	
		0.90	ES		0.85		Stiff grey and orangish brown mottled CLAY, becoming dark orangish brown with ironstone below 1.8m. <i>PID @ 0.9m = 0.01ppm</i>	
					2.00	14.05	End of borehole at 2.00 m	

Remarks  
Instability and collapse in made ground. Borehole dry.





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# Borehole Log

Borehole No.

**WS143**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567271 - 145134	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	16.13	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	03/07/2014 - 03/07/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10			0.10	16.03		TOPSOIL
		0.40	ES					Brown and grey gravelly sand MADE GROUND. Gravel is fine to coarse clinker, flint, brick and concrete. 10mm of asphalt over 90mm of concrete at 0.30m (old path)
		0.50	ES					PID @ 0.4m = 0.14ppm
								PID @ 0.5m = 0.12ppm
		0.70	ES		0.60	15.53		Very stiff to hard grey and reddish brown mottled CLAY. Very silty below 2.5m.
								PID @ 0.7m = 0.13ppm
		1.00		N=18 (2,3/3,4,5,6)				
		1.30	ES					PID @ 1.3m = 0.2ppm
		2.00	ES	N=23 (5,3/5,4,6,8)				PID @ 2m = 0.09ppm
		2.00						PID @ 3m = 0.1ppm
	3.00		N=58 (6,7/12,17,16,13)	3.00	13.13		End of borehole at 3.00 m	

Remarks  
Borehole dry and stable. Standpipe installed with gas tap and metal cover.





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


# Borehole Log

Borehole No.

**WS144**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567256 - 145127	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	16.03	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	03/07/2014 - 03/07/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES		0.20	15.83	 TOPSOIL with some fine to coarse gravel of flint. <i>PID @ 0.1m = 0.01ppm</i>	
		0.40	ES		0.45	15.58	 Brownish grey sandy gravel MADE GROUND with gravel of concrete, brick and mortar. <i>PID @ 0.4m = 0.21ppm</i>	
		0.70	ES		0.60	15.43	 Red and grey sandy MADE GROUND with much fine to coarse gravel of brick, concrete and mortar.  Stiff orangish brown and grey silty CLAY with much ironstone. <i>PID @ 0.7m = 0.81ppm</i>	
		1.50	ES		1.20	14.83	 Stiff to hard orangish brown and bluish grey silty CLAY, with some fine to coarse mudstone gravel below 2.7m. <i>PID @ 1.5m = 0.9ppm</i>	
		2.30	ES		3.00	13.03	 <i>PID @ 2.3m = 0.21ppm</i>  End of borehole at 3.00 m	

Remarks  
Borehole dry and stable.







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# Borehole Log

Borehole No.

**WS145**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567259 - 145110	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.98	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	03/07/2014 - 03/07/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES		0.20	15.78	 TOPSOIL, with occasional fine to coarse gravel of concrete, brick and flint. <i>PID @ 0.1m = 0.09ppm</i>	
		0.30	ES		0.50	15.48	 Brownish grey sandy clayey MADE GROUND with much fine to coarse gravel of clinker, roadstone and concrete. <i>PID @ 0.3m = 0.21ppm</i> <i>PID @ 0.4m = 0.31ppm</i>	
		0.40	ES					
		0.80	ES		1.20	14.78	 Stiff orangish brown and grey mottled silty CLAY with much ironstone. <i>PID @ 0.8m = 0.01ppm</i>	
		2.10	ES				 Stiff to hard pale orangish brown and bluish grey silty CLAY, with some fine to coarse gravel of siltstone/mudstone below 2.8m. <i>PID @ 2.1m = 0.02ppm</i>	
		2.50	ES				 <i>PID @ 2.5m = 0.01ppm</i>	
					3.00	12.98	End of borehole at 3.00 m	

Remarks  
Borehole dry and stable.





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# Borehole Log

Borehole No.

**WS146**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567262 - 145096	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	16.00	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	03/07/2014 - 03/07/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
							TOPSOIL with occasional fine to coarse gravel of flint. Frequent rootlets.	
		0.30	ES		0.25	15.75	Brownish grey sandy gravel MADE GROUND of flint, charcoal, concrete, tile and brick. <u>PID @ 0.3m = 0.19ppm</u>	
		0.50	ES		0.40	15.60		
							Firm orangish brown silty CLAY with much fine to coarse gravel of ironstone. <u>PID @ 0.5m = 0.12ppm</u>	
							<u>PID @ 0.8m = 0.05ppm</u>	
					1.50	14.50	Firm orangish brown and greyish brown silty CLAY.	
		1.90	ES				<u>PID @ 1.9m = 0.2ppm</u>	
					2.50	13.50	Pale grey and orangish brown weakly cemented SILTSTONE with occasional iron speckling.	
		2.80	ES				<u>PID @ 2.8m = 0.05ppm</u>	
					3.00	13.00	End of borehole at 3.00 m	

Remarks  
Borehole dry and stable.





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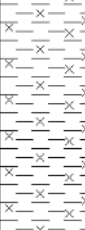
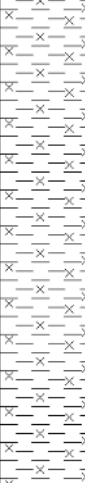

# Borehole Log

Borehole No.

**WS147**

Sheet 1 of 1

Project Name: Former Halls Site, Paddock Wood	Project No. LP00762	Co-ords: 567260 - 145079	Hole Type WLS
Location: Paddock Wood, Kent		Level: 16.33	Scale 1:20
Client: Tunbridge Wells Borough Council		Dates: 03/07/2014 - 03/07/2014	Logged By SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.05	ES		0.10	16.23	 <p>TOPSOIL PID @ 0.05m = 0.11ppm</p>	
		0.80	ES		1.10	15.23	 <p>Brownish grey sand and gravel MADE GROUND of fine to coarse flint, brick, concrete and clinker. PID @ 0.8m = 0.13ppm</p>	
		1.70	ES				 <p>Stiff light grey and orangish brown mottled CLAY, grading into MUDSTONE below 1.8m. PID @ 1.7m = 0.14ppm</p>	
		2.00		N=12 (2,2/2,3,3,4)				
		2.50	ES				 <p>PID @ 2.5m = 0.13ppm</p>	
		3.00		21 (7,8/21 for 75mm)	3.00	13.33	 <p>End of borehole at 3.00 m</p>	

Remarks  
Borehole dry and stable.





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# Borehole Log

Borehole No.

**WS148**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567262 - 145072	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	16.46	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	03/07/2014 - 03/07/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES		0.20	16.26	 TOPSOIL PID @ 0.1m = 0.01ppm	
		0.30	ES				0.50	15.96
		0.40	ES		0.70	15.96		
		1.30	ES				2.00	14.46
					3.00	13.46		
							End of borehole at 3.00 m	

Remarks  
Borehole dry and stable.





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# Borehole Log

Borehole No.

**WS149**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567263 - 145060	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	16.58	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	03/07/2014 - 03/07/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
							TOPSOIL	
		0.30	ES		0.20		Brownish grey sandy gravel MADE GROUND of brick, concrete and flint.	
		0.40	ES					
		0.60	ES		0.50		Stiff to hard orangish brown and grey mottled silty CLAY.	
		1.70	ES					
					2.50	14.08	Stiff pale orangish brown silty CLAY with much fine to coarse gravel of siltstone/mudstone and some black iron staining.	
					3.00	13.58	End of borehole at 3.00 m	

Remarks  
 Borehole dry and stable.





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# Borehole Log

Borehole No.

**WS150**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567287 - 145091	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.88	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	03/07/2014 - 03/07/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES		0.15	15.73		TOPSOIL
		0.40	ES					Brown and grey silty clay MADE GROUND with much fine to coarse gravel of brick, concrete, clinker and flint. <i>PID @ 0.4m = 0.2ppm</i>
		0.70	ES		0.60	15.28		Stiff light grey and orangish brown mottled silty CLAY, becoming stiff to hard below 1.2m, and clay/mudstone below 2.5m. <i>PID @ 0.7m = 0.07ppm</i>
		2.10	ES					<i>PID @ 2.1m = 0.04ppm</i>
					3.00	12.88		End of borehole at 3.00 m

Remarks  
 Borehole dry and stable. Standpipe installed with gas tap and metal cover.





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# Borehole Log

Borehole No.

**WS151**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567501 - 145169	Hole Type	WLS
Location:	Paddock Wood, Kent	Level:	15.18	Scale	1:20	Logged By	SSC, TH
Client:	Tunbridge Wells Borough Council	Dates:	07/07/2014 - 07/07/2017				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15	15.03		TOPSOIL
		0.30	ES					Pale orangish grey and brownish grey silty clay MADE GROUND with infrequent fine to coarse gravel of brick and concrete. <u>PID @ 0.3m = 0.05ppm</u> <u>PID @ 0.4m = 0.06ppm</u>
		0.40	ES					
		0.70	ES		0.60	14.58		Dark brownish grey sandy gravel MADE GROUND of fine to coarse brick and charcoal. <u>PID @ 0.7m = 0.08ppm</u>
		1.00	ES	N=5 (0,1/1,1,1,2)	0.90	14.28		Firm orangish brown and grey mottled silty CLAY. Becoming stiff to hard below 1.3m with much ironstone. Much fine to coarse gravel of siltstone below 2.8m. <u>PID @ 1m = 1.5ppm</u>
		1.00						
		1.80	ES					<u>PID @ 1.8m = 0.02ppm</u>
		2.00		N=14 (2,3/3,2,4,5)				
		3.00		N=7 (0,1/1,2,2,2)	3.00	12.18		End of borehole at 3.00 m

Remarks  
Borehole dry and stable.





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# Borehole Log

Borehole No.

**WS152**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567519 - 145172	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.11	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	07/07/2014 - 07/07/2017	Logged By	SSC, TH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.05			0.05	15.06	Gravel with membrane at base. MADE GROUND	
		0.10			0.10	15.01		
		0.30	ES		0.35	14.76	Gravel with membrane at base. MADE GROUND. Pale grey fine to medium sand MADE GROUND. <i>PID @ 0.3m = 0.07ppm</i>	
		0.50	ES				Firm dark grey sandy silty CLAY with some black organic speckling. <i>PID @ 0.5m = 0.1ppm</i>	
		0.70	ES		0.65	14.46	Firm to stiff orangish brown and bluish grey slightly sandy silty CLAY with much fine sand and fine to coarse gravel of ironstone between 2.0 and 2.8m. <i>PID @ 0.7m = 0.1ppm</i>	
		2.80	ES		2.80	12.31	Weakly cemented pale grey and orangish brown SILTSTONE. <i>PID @ 2.8m = 0.1ppm</i>	
					3.00	12.11	End of borehole at 3.00 m	

Remarks  
Borehole stable. Standing water level 1.85m.







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# Borehole Log

Borehole No.

**WS153**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567530 - 145197	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.13	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	07/07/2014 - 07/07/2017	Logged By	SSC, TH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	15.03		TOPSOIL
		0.20	ES					Pale orangish brown and greyish brown friable clay MADE GROUND with some fine to coarse gravel of siltstone, chalk, brick and occasional flint. <i>PID @ 0.2m = 0.08ppm</i>
		0.50	ES					<i>PID @ 0.5m = 0.08ppm</i>
					0.60	14.53		Stiff orangish brown and bluish grey mottled CLAY with fine to coarse sand and occasional ironstone between 1.1m and 1.4m. Becoming very silty below 1.5m.
		0.90	ES					<i>PID @ 0.9m = 0.06ppm</i>
		1.30	ES					<i>PID @ 1.3m = 0.06ppm</i>
		2.00	ES					<i>PID @ 2m = 0.06ppm</i>
		2.60	ES		2.60	12.53		<i>PID @ 2.6m = 0.02ppm</i>
								End of borehole at 2.60 m

Remarks  
 Borehole dry and stable.





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# Borehole Log

Borehole No.

**WS154**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567541 - 145167	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.06	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	07/07/2014 - 07/07/2017	Logged By	SSC, TH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10			0.10	14.96	TOPSOIL	
		0.30	ES				Brownish grey silty clay MADE GROUND with much fine to coarse gravel of brick, concrete and tile. <i>PID @ 0.3m = 0.01ppm</i>	
		0.50	ES				<i>PID @ 0.5m = 0.01ppm</i>	
					0.60	14.46	Brown and grey clay MADE GROUND.	
					0.70	14.36	End of borehole at 0.70 m	



Remarks  
Borehole terminated at 0.70m due to services. Dry and stable.





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# Borehole Log

Borehole No.

**WS155a**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567549 - 145167	Hole Type	HA
Location:	Paddock Wood, Kent			Level:	15.16	Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	07/07/2014 - 07/07/2017	Logged By	SSC, TH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.05	15.11		TOPSOIL
					0.20	14.96		Orangish brown sandy silty clay MADE GROUND with some fine to coarse gravel of flint, chalk and brick.
					0.40	14.76		Yellowish brown fine to coarse sand MADE GROUND with white marker tape at base.
								----- End of borehole at 0.40 m

Remarks  
Borehole terminated at 0.40m due to presence of service. Dry and stable.



1  
2



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# Borehole Log

Borehole No.

**WS155b**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567549 - 145167	Hole Type	HA
Location:	Paddock Wood, Kent			Level:	15.16	Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	07/07/2014 - 07/07/2017	Logged By	SSC, TH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.05			0.05	15.11	TOPSOIL	
		0.20	ES				Brownish grey sandy silty clay MADE GROUND with some fine to coarse gravel of breeze block, rootlets, brick and chalk.	
		0.40	ES					
					0.50	14.66	End of borehole at 0.50 m	

Remarks  
Borehole terminated at 0.50m due to presence of service. Dry and stable.





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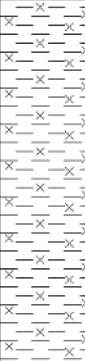


# Borehole Log

Borehole No.

**WS156**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567547 - 145189	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	14.98	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	07/07/2014 - 07/07/2017	Logged By	SSC, TH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES		0.15	14.83	 TOPSOIL <i>PID @ 0.1m = 0.01ppm</i>	
		0.30	ES		0.50	14.48	 Pale brownish grey silty clay MADE GROUND with some fine to coarse gravel of flint, brick, clinker and occasional tile. <i>PID @ 0.3m = 0.2ppm</i>	
		1.00 1.00	ES	N=11 (3,3/3,3,3,2)	1.50	13.48	 Stiff orangish brown and bluish grey mottled silty CLAY with some ironstone. <i>PID @ 1m = 0.1ppm</i> <i>Very silty between 1.1 and 1.4</i>	1
		2.00		N=12 (1,2/2,3,3,4)			 Stiff pale orangish brown and bluish grey silty CLAY with some fine to coarse gravel of siltstone below 2.7m.	2
		2.50	ES				 <i>PID @ 2.5m = 0.1ppm</i>	
		3.00		N=41 (5,6/8,9,11,13)	3.00	11.98	 End of borehole at 3.00 m	3
								4

Remarks  
Borehole dry and stable.





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# Borehole Log

Borehole No.

**WS157**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567567 - 145194	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.24	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	08/07/2014 - 08/07/2014	Logged By	SSC, TH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.05	ES		0.10	15.14	TOPSOIL	
		0.30	ES		0.30	14.94	Orangish brown sandy slightly gravelly clay MADE GROUND. Gravel is fine to coarse flint.	
		0.40	ES		0.39	14.85	Orangish brown medium sand MADE GROUND. <i>PID @ 0.3m = 0.07ppm</i>	
					0.60	14.64	Orangish brown sandy gravelly clay MADE GROUND. Gravel is fine to coarse breeze block, brick, and flint. <i>PID @ 0.4m = 0.05ppm</i>	
		0.70	ES		0.80	14.44	Soft grey CLAY with organic fragments.	
					1.00	14.24	Orangish brown sandy GRAVEL of fine to coarse ironstone.	
							Stiff grey slightly sandy gravelly silty CLAY. Gravel is of fine to coarse flint. <i>PID @ 1.2m = 0.09ppm</i>	1
		1.70	ES		1.70	13.54	End of borehole at 1.70 m	2
								3
								4

Remarks  
Borehole terminated at 1.7m - too gravelly. Dry and stable.





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# Borehole Log

Borehole No.

**WS158**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567569 - 145173	Hole Type	WLS
Location:	Paddock Wood, Kent	Level:	15.08	Scale	1:20	Logged By	SSC, TH
Client:	Tunbridge Wells Borough Council	Dates:	08/07/2014 - 08/07/2014				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.05			0.05	15.03		Pea shingle. MADE GROUND. Orangish brown sandy MADE GROUND with much fine to medium gravel of flint.	
		0.25	ES		0.30	14.78		<u>PID @ 0.25m = 0.07ppm</u> Dark brownish grey sandy clay MADE GROUND with some fine to coarse gravel of flint and brick.	
		0.40	ES					<u>PID @ 0.4m = 0.07ppm. Suspected ACM @ 0.4m</u>	
		0.50	ES					<u>PID @ 0.5m = 0.05ppm</u>	
					0.80	14.28		Stiff orangish brown and bluish grey mottled silty CLAY with some ironstone.	
			1.00		N=19 (2,2/4,5,5,5)				
			1.30	ES				<u>PID @ 1.3m = 0.06ppm</u>	
								<u>Much sand and fine to medium ironstone between 1.7 and 2.0.</u>	
			2.00		N=19 (3,3/4,5,5,5)	2.00	13.08		Stiff pale grey and pale orangish brown mottled silty CLAY with occasional fine to medium sand.
			3.00		N=43 (4,10/10,11,11,11)	3.00	12.08		End of borehole at 3.00 m
		3.00	ES						

Remarks  
Water seepage in sand between 0.05m and 0.3m. Borehole stable. Standpipe installed with gas tap and metal cover.





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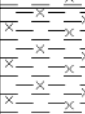

# Borehole Log

Borehole No.

**WS159**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567579 - 145138	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.10	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	08/07/2014 - 08/07/2014	Logged By	SSC, TH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.05	ES		0.10	15.00	 TOPSOIL with clinker. <i>PID @ 0.05m = 0.03ppm</i>	
		0.30	ES				 Dark brownish grey sandy silty clay MADE GROUND with some fine to coarse gravel of brick. <i>PID @ 0.3m = 0.04ppm</i>	
		0.60	ES		0.50	14.60	 Stiff orangish brown and grey silty CLAY with occasional sandy layers. <i>PID @ 0.6m = 0.06ppm</i>	
		1.50	ES		1.70	13.40	 Stiff pale greyish brown and orange silty CLAY. <i>PID @ 1.5m = 0.04ppm</i>	
		2.00	ES		2.00	13.10	 End of borehole at 2.00 m	

Remarks  
Borehole dry and stable.







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# Borehole Log

Borehole No.

**WS160**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567553 - 145142	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	14.94	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	08/07/2014 - 08/07/2014	Logged By	TH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20	14.74		TOPSOIL with flint gravel.
		0.40	ES					Dark brown and grey sandy silty gravel MADE GROUND with fine to coarse gravel of flint, brick and concrete.
		0.50	ES					PID @ 0.4m = 0.1ppm
								PID @ 0.5m = 0.17ppm
		0.80	ES		0.60	14.34		Stiff light grey and orangish brown mottled silty CLAY with occasional black fine to coarse ironstone below 1.8m Becoming mudstone below 2.5m.
		1.00						PID @ 0.8m = 0.16ppm
		1.90	ES					PID @ 1.9m = 0.16ppm
		2.00						
		3.00	ES		3.00	11.94		PID @ 3m = 0.1ppm
		3.00						End of borehole at 3.00 m
								1
								2
								3
								4

Remarks  
Borehole dry and stable. Standpipe installed with gas tap and metal cover.





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# Borehole Log

Borehole No.

**WS161**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567550 - 145155	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.09	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	03/07/2014 - 03/07/2014	Logged By	TH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15	14.94		TOPSOIL
					0.45	14.64		Granular sub base of fine to coarse gravel of crystalline rock. MADE GROUND.
		0.50	ES					Stiff light grey and orangish brown silty CLAY with occasional black iron staining. Becoming sandy below 1.0m.
		0.70	ES					
					1.40	13.69		Orangish brown and light grey clayey gravelly SAND, with gravel of fine to medium ironstone.
		1.70	ES		1.75	13.34		Stiff to hard orangish brown and light grey mottled CLAY
					1.80	13.29		End of borehole at 1.80 m

Remarks  
 Borehole dry and stable.





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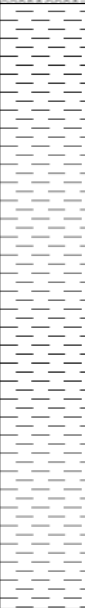
# Borehole Log

Borehole No.

**WS162**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567085 - 145113	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	16.03	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	03/07/2014 - 03/07/2014	Logged By	TH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES		0.20	15.83	 TOPSOIL. <i>PID @ 0.1m = 0.1ppm</i>	
		0.40	ES		0.50	15.53	 Brown and grey silty clay MADE GROUND with much fine to coarse gravel of flint, brick, concrete, clinker and glass. <i>PID @ 0.4m = 0.22ppm</i>	
		0.60	ES				 Very stiff bluish grey and orangish brown mottled CLAY with occasional black iron staining, <i>PID @ 0.6m = 0.1ppm</i>	
		2.10	ES		2.10	13.93	<i>PID @ 2.1m = 0.12ppm</i> End of borehole at 2.10 m	

Remarks  
 Borehole dry and stable.





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# Borehole Log

Borehole No.

**WS163**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567373 - 145076	Hole Type	WLS
Location:	Paddock Wood, Kent	Level:	15.96	Scale	1:20	Logged By	GW
Client:	Tunbridge Wells Borough Council	Dates:	27/06/2014 - 27/06/2017				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20	ES		0.25	15.71	 <p>Topsoil <i>PID @ 0.2m = 0.08ppm</i></p>	
		0.40	ES				 <p>Stiff and desiccated orangish brown and dark bluish grey silty sandy clay MADE GROUND with fine to coarse gravel of angular flint, rounded limestone, brick, plastic and wood <i>PID @ 0.4m = 0.13ppm</i> <i>PID @ 0.5m = 0.12ppm</i></p>	
		0.50	ES					
		0.90	ES		0.80	15.16	 <p>Stiff dark bluish grey and orangish brown mottled silty CLAY with reddish organic matter and iron staining <i>PID @ 0.9m = 0.1ppm</i> <i>Hand Pen=200kPa</i></p>	1
		1.00		N=10 (1,2/1,2,3,4)				
		1.50	ES		1.20	14.76	 <p>Firm to stiff dark orangish brown and pale bluish grey slightly sandy silty mottled CLAY with blackish ironstone and occasional relic rootlets. Stiff to hard below 1.5m <i>Hand Pen=100kPa</i> <i>PID @ 1.5m = 0.17ppm</i> <i>Stiff to hard below 1.5m</i></p>	
								 <p><i>Hand Pen=300kPa</i></p>
		2.00		N=19 (3,4/4,4,5,6)	2.00	13.96	<p>End of borehole at 2.00 m</p>	2
								3
								4

Remarks  
Borehole dry and stable.







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# Borehole Log

Borehole No.

**WS164b**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567380 - 145133	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.92	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	04/07/2014 - 04/07/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20	ES				MADE GROUND of topsoil with occasional concrete, ceramic and flint, with suspected asbestos containing material (sheet fragment).  ----- End of borehole at 0.30 m	
		0.30	ES	0.30	15.62			



Remarks  
Borehole terminated at 0.30m due to concrete obstruction. Dry and stable.





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# Borehole Log

Borehole No.

**WS165**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567499 - 145146	Hole Type	WLS
Location:	Paddock Wood, Kent	Level:	15.29	Scale	1:20	Logged By	TH
Client:	Tunbridge Wells Borough Council	Dates:	01/07/2014 - 01/07/2014				

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10			0.10	15.19	Asphalt.	
		0.20			0.20	15.09	Dark brownish grey sandy gravel MADE GROUND of tarmac and concrete (sub-base)	
		0.30	ES				Light grey fine to coarse gravel MADE GROUND of concrete.	
		0.40	ES		0.40	14.89	PID @ 0.3m = 0ppm	
		0.60			0.60	14.69	Brown sandy gravel MADE GROUND of fine to coarse flint and occasional brick.	
		0.70	ES				Stiff grey and orangish brown mottled CLAY with occasional black iron staining. Becoming stiff to hard below 1.50m, and grading to a clay / mudstone below 2.0m	
		1.00			1.00		PID @ 0.7m = 0.07ppm	1
		1.50	ES				PID @ 1.5m = 0.07ppm	
		2.00			2.00			
		2.00	ES	N=15 (3,3/3,4,4,4)			PID @ 2m = 0ppm	2
	3.00	ES		3.00	12.29	PID @ 3m = 0ppm	3	
						End of borehole at 3.00 m	4	

Remarks  
Unstable in made ground. Standpipe installed to 3m with gas tap and metal cover. Dry.





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# Borehole Log

Borehole No.

**WS166**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567453 - 145137	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.81	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	26/06/2014 - 26/06/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10			0.10	15.71	Asphalt.		
		0.20			0.20	15.61	MADE GROUND sub-base of greyish white sandy fine to coarse gravel of concrete and crystalline rock.		
		0.30	ES						
		0.40	ES						
		0.60	ES						
		0.70				0.70	15.11		Brownish grey sandy gravel MADE GROUND of brick, concrete, flint and occasional roadstone. <i>PID @ 0.3m = 0.18ppm</i> <i>PID @ 0.4m = 0.2ppm</i> <i>PID @ 0.6m = 0.13ppm</i>
		1.00				1.00	15.11		Dark greyish green and black sandy silty clay MADE GROUND with much fine to coarse gravel of roadstone, asphalt, brick, wood, plastic and concrete. <i>PID @ 1m = 3.1ppm</i>
		1.10	ES	N=10 (2,1/2,2,3,3)		1.10	14.71		Stiff orangish brown and bluish grey silty CLAY <i>Hand Pen=200kPa</i>
		1.50	ES			1.50	14.31		Stiff orangish brown and pale bluish grey silty CLAY. <i>PID @ 1.5m = 0.12ppm</i> <i>Much ironstone and sand between 1.6 and 2m</i>
		2.00		N=14 (3,3/3,4,3,4)					
	2.60				2.60	13.21	Medium dense dark orangish brown slightly clayey SAND with some fine to coarse gravel of sandstone		
	2.90	ES			2.90	12.81	<i>PID @ 2.9m = 0.12ppm</i>		
	3.00		N=23 (3,4/3,6,6,8)		3.00	12.81	End of borehole at 3.00 m		

Remarks  
Standpipe installed to 2.8m with gas tap and metal cover. Dry.







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# Borehole Log

Borehole No.

**WS167**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567454 - 145184	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.48	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	26/06/2014 - 26/06/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	15.38		TOPSOIL
		0.20	ES					Orangish grey sandy clay MADE GROUND with much fine to coarse gravel of brick, flint and concrete.
		0.50	ES					
		1.00	ES		0.90	14.58		Firm brownish grey silty CLAY with black staining and hydrocarbon odours.
		1.50	ES		1.30	14.18		Stiff pale orange and greyish brown silty CLAY.
		2.00	ES					
		3.00	ES		3.00	12.48		End of borehole at 3.00 m

Remarks  
 Borehole dry and stable.





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# Borehole Log

Borehole No.

**WS168a**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567561 - 145164	Hole Type	HA
Location:	Paddock Wood, Kent			Level:	15.12	Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	08/07/2014 - 08/07/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES				Brown sandy TOPSOIL. <i>PID @ 0.1m = 0.04ppm</i>	
		0.20			14.92		Orangish brown silty clay MADE GROUND with occasional fine to coarse gravel of flint. <i>PID @ 0.3m = 0.04ppm</i>	
		0.30	ES					
				0.35	14.77		End of borehole at 0.35 m	

Remarks  
Borehole terminated at 0.35m due to presence of services. Dry and stable.



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2



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# Borehole Log

Borehole No.

**WS168b**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567561 - 145164	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	15.12	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	04/07/2014 - 04/07/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20	ES		0.25	14.87	 <p>TOPSOIL</p> <p>PID @ 0.2m = 0.03ppm</p>	
		0.40	ES				 <p>Orangish brown silty clay MADE GROUND with occasional fine to coarse gravel of flint.</p> <p>PID @ 0.4m = 0.02ppm</p>	
		0.60	ES		0.70	14.42	 <p>Stiff orangish brown and grey silty CLAY with some fine to coarse gravel of ironstone. Becoming very gravelly and sandy below 1.8m.</p> <p>PID @ 0.6m = 0.02ppm</p>	
		2.00	ES		2.00	13.12	 <p>PID @ 2m = 0.02ppm</p> <p>End of borehole at 2.00 m</p>	

Remarks  
 Borehole dry and stable.





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# Borehole Log

Borehole No.

**WS169**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567360 - 145122	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	16.06	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	04/07/2014 - 04/07/2014	Logged By	SSC, TH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.10	15.96		TOPSOIL	
								Gravel of concrete.	
		0.40	ES		0.40	15.66		Orangish brown sandy clay MADE GROUND with much fine to coarse gravel of brick and flint. <u>PID @ 0.4m = 0.01ppm</u> <u>PID @ 0.5m = 0.01ppm</u>	
		0.50	ES						
		0.70	ES						<u>PID @ 0.7m = 0.01ppm</u>
					0.80	15.26		CONCRETE	
		1.10	ES		1.10	14.96		Firm orangish brown and grey mottled silty CLAY with sandy layer at 2.5m. Faint hydrocarbon odour to 1.5m. <u>PID @ 1.1m = 0.1ppm</u>	
		1.40	ES						<u>PID @ 1.4m = 0.12ppm</u>
		1.70	ES						<u>PID @ 1.7m = 0ppm</u>
					3.00	13.06		End of borehole at 3.00 m	

Remarks  
Borehole dry and stable.





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# Borehole Log

Borehole No.

**WS139**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567333 - 145092	Hole Type	WLS
Location:	Paddock Wood, Kent			Level:	16.44	Scale	1:20
Client:	Tunbridge Wells Borough Council			Dates:	02/07/2014 - 02/07/2014	Logged By	SSC, TH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES		0.20	16.24	 TOPSOIL with brick and flint. <i>PID @ 0.1m = 0.39ppm</i>	
		0.40	ES				 Brownish grey sandy gravel MADE GROUND of brick, concrete, and ash, with many concrete cobbles. <i>PID @ 0.4m = 0.08ppm</i>	
		0.60	ES				<i>PID @ 0.6m = 0.12ppm</i>	
		0.90	ES		0.80	15.64	 Pale grey sandy silty gravelly clay MADE GROUND with much fine to coarse gravel of brick, concrete and flint, and occasional fine gravel of roadstone. Some cobbles of concrete. <i>PID @ 0.9m = 0.24ppm</i>	
					1.20	15.24	End of borehole at 1.20 m	

Remarks  
 Borehole terminated at 1.2m due to concrete obstruction. Dry and stable.





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# Borehole Log

Borehole No.

**HA201**

Sheet 1 of 1

Project Name: Former Halls Site, Paddock Wood

Project No.  
LP00762

Co-ords: 567289 - 145168

Hole Type  
HA

Location: Paddock Wood, Kent

Level:

Scale  
1:10

Client: Tunbridge Wells Borough Council

Dates: 15/09/2014 - 15/09/2014

Logged By  
SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.20	ES		0.20		TOPSOIL with some fine gravel of chalk, brick, flint and rootlets.	
		0.40	ES				Orange brown very sandy gravelly clay MADE GROUND with some fine to coarse gravel of concrete, brick and flint. Becoming very sandy towards the base. <i>Large concrete cobble and plastic at base of hole.</i>	
		0.60	ES		0.60		End of borehole at 0.60 m	

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Remarks





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# Borehole Log

Borehole No.

**HA202**

Sheet 1 of 1

Project Name: Former Halls Site, Paddock Wood

Project No.  
LP00762

Co-ords: 567288 - 145154

Hole Type  
HA

Location: Paddock Wood, Kent

Level:

Scale  
1:10

Client: Tunbridge Wells Borough Council

Dates: 15/09/2014 - 15/09/2014

Logged By  
SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.10	ES				Brown grey gravelly sandy TOPSOIL with much fine to coarse brick, flint, concrete, slate, chalk, mortar and many rootlets. Occasional ash and wood and plastic fragments.	
		0.30	ES					
		0.55	ES					
					0.50		Pale orange and brown sand MADE GROUND.	
					0.60		Orange brown sandy silty clay MADE GROUND with some fine to coarse gravel of flint and concrete.	
					0.65			
End of borehole at 0.65 m								

1

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Remarks





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# Borehole Log

Borehole No.

**HA203**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567329 - 145168	Hole Type	HA
Location:	Paddock Wood, Kent			Level:		Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	15/09/2014 - 15/09/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.20	ES					Brown sandy TOPSOIL with occasional fine gravel of brick mortar and ash.
					0.30			Brown grey sandy clay MADE GROUND with some fine to coarse gravel of brick, flint, plastic and wood.
		0.40	ES					<u>Some grey fabric at 0.4m.</u>
		0.55	ES		0.50			Orange brown sandy silty clay MADE GROUND with occasional coarse gravel of brick.
				0.60			End of borehole at 0.60 m	

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Remarks







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# Borehole Log

Borehole No.

**HA204**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567350 - 145175	Hole Type	HA
Location:	Paddock Wood, Kent			Level:		Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	15/09/2014 - 15/09/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.10	ES					Brown sandy TOPSOIL with some fine to coarse gravel of brick, flint and occasional ash.
		0.25	ES		0.20			Orange brown sandy silty gravelly clay MADE GROUND with some fine to medium gravel of brick, mortar and occasional ash.
		0.40	ES		0.30			Brown sandy gravelly clay MADE GROUND with much fine to coarse concrete, brick, plastic sheeting tiles, wood and mortar.
		0.55	ES		0.50			Orange brown sandy silty clay MADE GROUND with some fine to coarse gravel of breeze block, ash, wood and flint with occasional fragments of fibrous material.
					0.65			

Remarks



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2



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# Borehole Log

Borehole No.

**HA205**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567351 - 145163	Hole Type	HA
Location:	Paddock Wood, Kent			Level:		Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	15/09/2014 - 15/09/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.20	ES					Brown sandy TOPSOIL with some gravel of flint and ash.
		0.25	ES		0.20			Orange brown fine to coarse sand MADE GROUND with plastic tape.
		0.40	ES		0.30			Brown grey sandy gravel MADE GROUND of fine to coarse brick, flint, concrete, mortar and ash with the occasional roadstone.
					0.60			End of borehole at 0.60 m

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Remarks





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# Borehole Log

Borehole No.

**HA206**

Sheet 1 of 1

Project Name: Former Halls Site, Paddock Wood

Project No.  
LP00762

Co-ords: 567405 - 145179

Hole Type  
HA

Location: Paddock Wood, Kent






Level:

Scale  
1:10

Client: Tunbridge Wells Borough Council

Dates: 15/09/2014 - 15/09/2014

Logged By  
SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
Well		0.00 - 0.20	ES		0.05		 Coarse gravel of flint over geotextile.	
					0.20		 Brown sandy TOPSOIL with some fine to coarse gravel of flint, mortar and fragments of glass.	
		0.30	ES				 Orange brown grey sandy silty clay MADE GROUND with some fine to coarse gravel of flint, mortar and brick.	
		0.50	ES		0.55		 Cobble of concrete at 0.40m.   With much fine to coarse gravel of brick below 0.50m.  ----- End of borehole at 0.55 m	

1

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Remarks  
Borehole terminated at 0.55m due to concrete gravel.





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# Borehole Log

Borehole No.

**HA207**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567412 - 145178	Hole Type	HA
Location:	Paddock Wood, Kent			Level:		Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	15/09/2014 - 15/09/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.20	ES		0.30			Brown sandy TOPSOIL with some fine to medium gravel of flint, brick, concrete and mortar.
		0.40	ES					Orange brown fine gravel silty clayey MADE GROUND with some fine to coarse gravel of brick, concrete, flint, mortar, elastic, wire, clinker and slag.
		0.50	ES		Orange brown silty clay MADE GROUND with some fine to coarse gravel of flint and breeze block.			
		End of borehole at 0.70 m						
					0.60			
					0.70			

Remarks



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2



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# Borehole Log

Borehole No.

**HA208**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567442 - 145164	Hole Type	HA
Location:	Paddock Wood, Kent			Level:		Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	15/09/2014 - 15/09/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.20	ES					Brown sandy TOPSOIL with some fine to coarse gravel of flint, breeze block, mortar, plastic, ash, concrete with fragments of glass.
		0.25	ES		0.30			MADE GROUND. Gravel and cobbles of concrete with metal wire.
		0.50	ES		0.45 0.55			Black and grey sandy gravelly clayey MADE GROUND with some fine to coarse gravel of concrete, brick, clinker, flint, metal nails, mortar, slag and sand with some glass fragments. End of borehole at 0.55 m

Remarks  
 Borehole terminated at 0.55m due to concrete obstructions.



1  
2



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# Borehole Log

Borehole No.

**HA209**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567450 - 145183	Hole Type	HA
Location:	Paddock Wood, Kent			Level:		Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	16/09/2014 - 16/09/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.20	ES		0.30			Brown sandy TOPSOIL with some fine to medium gravel of flint, tile and rootlets with occasional fragments of plastic.
		0.40	ES					Pale orange brown sandy clay MADE GROUND with some fine to medium gravel of flint, brick, mortar, tile and occasional fragments of clinker.
		0.55	ES		0.65			<p><i>Becoming pale yellow and sandy below 0.5m.</i></p> <p>End of borehole at 0.65 m</p>

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2

Remarks





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# Borehole Log

Borehole No.

**HA210**

Sheet 1 of 1

Project Name: Former Halls Site, Paddock Wood

Project No.  
LP00762

Co-ords: 567490 - 145176

Hole Type  
HA

Location: Paddock Wood, Kent

Level:

Scale  
1:10

Client: Tunbridge Wells Borough Council

Dates: 16/09/2014 - 16/09/2014

Logged By  
SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.20	ES		0.20			Brown sandy TOPSOIL with some fine to medium gravel of flint, clinker, brick, concrete and mortar.
		0.30	ES					Pale orange brown sandy clay MADE GROUND with some fine to coarse gravel of flint, concrete, clinker, mortar and occasional roadstone.
		0.55	ES		0.60			End of borehole at 0.60 m

1  
2

Remarks





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# Borehole Log

Borehole No.

**HA211**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567469 - 145188	Hole Type	HA
Location:	Paddock Wood, Kent			Level:		Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	16/09/2014 - 16/09/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.20	ES		0.30		Brown sandy TOPSOIL with some fine to medium gravel of tile, flint and occasional mortar and brick.	
		0.35	ES				Pale orange brown sandy silty clay MADE GROUND with much fine to coarse gravel of brick, flint, tile, clinker, concrete and mortar with occasional slag and fragments of metal. With much medium orange brown sand below 0.5m.	
		0.50	ES		0.60		With white slightly fibrous material at 0.50m.	
							End of borehole at 0.60 m	

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Remarks







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# Borehole Log

Borehole No.

**HA212**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567493 - 145164	Hole Type	HA
Location:	Paddock Wood, Kent			Level:		Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	16/09/2014 - 16/09/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.20	ES				Brown sandy TOPSOIL with some fine to coarse gravel of flint, brick, concrete and mortar.	
		0.30	ES		0.35		Orange brown and brown grey sandy gravelly clay MADE GROUND composed of fine to coarse gravel and occasional cobble of brick, concrete, roadstone and tile.	
		0.50	ES		0.45			
					0.60		Orange brown sandy silty clayey MADE GROUND with some fine gravel of flint.	
							End of borehole at 0.60 m	

Remarks



1

2



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# Borehole Log

Borehole No.

**HA213**

Sheet 1 of 1

Project Name: Former Halls Site, Paddock Wood

Project No.  
LP00762

Co-ords: 567486 - 145134

Hole Type  
HA

Location: Paddock Wood, Kent

Level:

Scale  
1:10

Client: Tunbridge Wells Borough Council

Dates: 16/09/2014 - 16/09/2014

Logged By  
SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.15	ES				Brown sandy TOPSOIL with some fine to medium gravel of brick, flint, concrete, chalk and ash.	
		0.30	ES		0.20		Pale grey brown sandy silty clay MADE GROUND with occasional fine to medium gravel of flint, coal, brick and clinker.	
		0.50	ES		0.60			
							End of borehole at 0.60 m	

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Remarks





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# Borehole Log

Borehole No.

**HA214**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567515 - 145189	Hole Type	HA
Location:	Paddock Wood, Kent			Level:		Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	16/09/2014 - 16/09/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.00 - 0.20	ES					Brown sandy TOPSOIL with rare fine gravel of brick.	
					0.30				
		0.40	ES						Orange brown sandy silty clayey MADE GROUND with some fine to coarse gravel of flint, roadstone and crystalline rock.
		0.55	ES						Stiff orange brown and grey mottled silty CLAY.
				0.60				End of borehole at 0.60 m	

Remarks



1  
2



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# Borehole Log

Borehole No.

**HA215**

Sheet 1 of 1

Project Name: Former Halls Site, Paddock Wood

Project No.  
LP00762

Co-ords: 567580 - 145175

Hole Type  
HA

Location: Paddock Wood, Kent

Level:

Scale  
1:10

Client: Tunbridge Wells Borough Council

Dates: 16/09/2014 - 16/09/2014

Logged By  
SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.20	ES					Brown sandy TOPSOIL with occasional fine gravel of brick and chalk.
		0.30	ES					<i>Large concrete cobble at 0.40m.</i>
		0.60	ES		0.50			Stiff orange brown and grey silty reworked CLAY with some iron staining.
					0.68			End of borehole at 0.68 m

1

2

Remarks





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# Borehole Log

Borehole No.

**HA216**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567580 - 145158	Hole Type	HA
Location:	Paddock Wood, Kent			Level:		Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	16/09/2014 - 16/09/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.05			WOODCHIP.
								PEA SHINGLE.
		0.20 - 0.30	ES		0.20			Orange brown grey sandy silty clayey MADE GROUND with much fine to medium gravel of flint, shell fragments, charcoal, brick, tile and occasional plastic fragments and large concrete cobbles.
		0.40	ES		0.50			Orange brown and grey mottled silty clay MADE GROUND with much gravel of roadstone and iron staining.
		0.55	ES		0.60			End of borehole at 0.60 m

Remarks



1  
2



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# Borehole Log

Borehole No.

**HA217**

Sheet 1 of 1

Project Name: Former Halls Site, Paddock Wood

Project No.  
LP00762

Co-ords: 567543 - 145134

Hole Type  
HA

Location: Paddock Wood, Kent

Level:

Scale  
1:10

Client: Tunbridge Wells Borough Council

Dates: 17/09/2014 - 17/09/2014

Logged By  
SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.10	ES				Light brown sandy TOPSOIL with occasional fine gravel of crystalline rock, brick and flint.	
		0.30	ES					
		0.50	ES				Firm orange brown sandy silty reworked CLAY with occasional iron staining, and gravel of roadstone and some ash.	
				0.40				
				0.60			End of borehole at 0.60 m	

1  
2

Remarks





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# Borehole Log

Borehole No.

**HA218**

Sheet 1 of 1

Project Name: Former Halls Site, Paddock Wood

Project No.  
LP00762

Co-ords: 567485 - 145127

Hole Type  
HA

Location: Paddock Wood, Kent

Level:

Scale  
1:10

Client: Tunbridge Wells Borough Council

Dates: 17/09/2014 - 17/09/2014

Logged By  
SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.20	ES				Brown sandy TOPSOIL with some fine to medium gravel of brick, flint, chalk and rootlets.	
		0.30	ES		0.20		Brown sandy gravel MADE GROUND of fine to coarse gravel of concrete, brick mortar and oyster shells with cobbles of concrete, ash and clinker.	
					0.45		End of borehole at 0.45 m	

1

2

Remarks  
Borehole terminated at 0.45m due to concrete obstruction.





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# Borehole Log

Borehole No.

**HA219**

Sheet 1 of 1

Project Name: Former Halls Site, Paddock Wood

Project No.  
LP00762

Co-ords: 567474 - 145132

Hole Type  
HA

Location: Paddock Wood, Kent

Level:

Scale  
1:10

Client: Tunbridge Wells Borough Council

Dates: 17/09/2014 - 17/09/2014

Logged By  
SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.20	ES		0.30			Brown sandy TOPSOIL with much fine to coarse gravel of concrete, flint, brick, wood and charcoal.
		0.40	ES					Pale orange brown and grey silty sandy clay MADE GROUND with much fine coarse gravel of flint, brick, concrete, mortar, ash and clinker.
		0.50	ES		0.60			End of borehole at 0.60 m
								End of borehole at 0.60 m

1

2

Remarks







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# Borehole Log

Borehole No.

**HA220**

Sheet 1 of 1

Project Name: Former Halls Site, Paddock Wood

Project No.  
LP00762

Co-ords: 567487 - 145116

Hole Type  
HA

Location: Paddock Wood, Kent

Level:

Scale  
1:10

Client: Tunbridge Wells Borough Council

Dates: 17/09/2014 - 17/09/2014

Logged By  
SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.10	ES		0.20			Brown sandy gravel TOPSOIL of brick, flint, ash, clinker and cement.
		0.30	ES					Brown grey sandy gravel MADE GROUND of coarse to fine gravel of flint clinker, brick, ash and occasional fibrous cement material with large cobbles of concrete and brick.
		0.40	ES		0.50			
		End of borehole at 0.50 m						

1

2

Remarks  
Borehole terminated at 0.50m due to concrete obstruction.





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# Borehole Log

Borehole No.

**HA221**

Sheet 1 of 1

Project Name: Former Halls Site, Paddock Wood

Project No.  
LP00762

Co-ords: 567490 - 145095

Hole Type  
HA

Location: Paddock Wood, Kent

Level:

Scale  
1:10

Client: Tunbridge Wells Borough Council

Dates: 17/09/2014 - 17/09/2014

Logged By  
SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.10	ES					Brown sandy TOPSOIL with some fine to coarse gravel of flint, charcoal, clinker, chalk, brick and slate.
		0.30	ES					0.35
		0.50	ES		0.60			

1

2

Remarks





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# Borehole Log

Borehole No.

**HA222**

Sheet 1 of 1

Project Name: Former Halls Site, Paddock Wood

Project No.  
LP00762

Co-ords: 567485 - 145099

Hole Type  
HA

Location: Paddock Wood, Kent

Level:

Scale  
1:10

Client: Tunbridge Wells Borough Council

Dates: 17/09/2014 - 17/09/2014

Logged By  
SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.10	ES				Brown sandy TOPSOIL with much fine to coarse gravel of ash, clinker and concrete.	
		0.30	ES		0.40			
		0.50	ES		0.60		Orange brown grey sandy silty clay MADE GROUND with some fine to coarse gravel of flint, concrete, ash, clinker and slag with some large cobbles of concrete, brick and roadstone.	
							----- End of borehole at 0.60 m	

1

2

Remarks





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# Borehole Log

Borehole No.

**HA223**

Sheet 1 of 1

Project Name: Former Halls Site, Paddock Wood

Project No.  
LP00762

Co-ords: 567456 - 145074

Hole Type  
HA

Location: Paddock Wood, Kent

Level:

Scale  
1:10

Client: Tunbridge Wells Borough Council

Dates: 17/09/2014 - 17/09/2014

Logged By  
SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.00 - 0.10	ES					Brown sandy TOPSOIL with much fine to coarse gravel of brick, mortar and rootlets.	
					0.15			Brown sandy gravel MADE GROUND, gravel is fine to coarse brick, flint and ash.	
		0.30	ES			0.40			Brown sandy gravelly clay MADE GROUND with much fine to coarse gravel of concrete, brick, clinker, wood and mortar.
		0.50	ES			0.60			End of borehole at 0.60 m

1

2

Remarks





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# Borehole Log

Borehole No.

**HA224**

Sheet 1 of 1

Project Name: Former Halls Site, Paddock Wood

Project No.  
LP00762

Co-ords: 567461 - 145075

Hole Type  
HA

Location: Paddock Wood, Kent

Level:

Scale  
1:10

Client: Tunbridge Wells Borough Council

Dates: 17/09/2014 - 17/09/2014

Logged By  
SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.20	ES		0.20			Brown sandy TOPSOIL with some fine to coarse gravel of flint, brick, ash, charcoal and fibrous white fabric material.
		0.30	ES					Brown orange and grey silty clay MADE GROUND with fine to coarse gravel of roadstone, clinker, concrete and ash.
		0.50	ES		0.60			Discrete fragment of suspected asbestos containing material (cement) at 0.50m.
								End of borehole at 0.60 m

1

2

Remarks





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# Borehole Log

Borehole No.

**HA225**

Sheet 1 of 1

Project Name: Former Halls Site, Paddock Wood

Project No.  
LP00762

Co-ords: 567441 - 145077

Hole Type  
HA

Location: Paddock Wood, Kent

Level:

Scale  
1:10

Client: Tunbridge Wells Borough Council

Dates: 18/09/2014 - 18/09/2014

Logged By  
SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.20	ES		0.35			Brown sandy TOPSOIL with some fine to coarse gravel of flint, concrete, brick, mortar and cementitious material.
		0.40	ES					Orange brown sandy silty clay MADE GROUND with some fine to medium gravel of brick, chalk, flint and roadstone.
		0.50	ES		0.60			End of borehole at 0.60 m

1  
2

Remarks





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# Borehole Log

Borehole No.

**HA226**

Sheet 1 of 1

Project Name: Former Halls Site, Paddock Wood

Project No.  
LP00762

Co-ords: 567445 - 145130

Hole Type  
HA

Location: Paddock Wood, Kent

Level:

Scale  
1:10

Client: Tunbridge Wells Borough Council

Dates: 17/09/2014 - 17/09/2014

Logged By  
SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.10	ES		0.20		Brown sandy TOPSOIL with occasional fine to coarse gravel of flint, brick and tile.	
		0.30	ES				Orange brown grey silty clay MADE GROUND with much fine to coarse gravel of ash, clinker, slate, concrete and mortar.	
		0.55	ES		0.60		<u>Black staining at 0.55</u>	
							End of borehole at 0.60 m	

1

2

Remarks





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# Borehole Log

Borehole No.

**HA227**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567431 - 145145	Hole Type	HA
Location:	Paddock Wood, Kent			Level:		Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	18/09/2014 - 18/09/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.20	ES		0.20			Brown sandy TOPSOIL with much fine to coarse gravel of flint, roots, glass, tile, charcoal and white fibrous material.
		0.30	ES					Pale orange brown sandy silty gravelly clay MADE GROUND with much fine to coarse gravel of flint, charcoal, brick, mortar, wood, plastic, glass, tile, ceramics and concrete.
		0.55	ES		0.60		End of borehole at 0.60 m	

1

2

Remarks







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# Borehole Log

Borehole No.

**HA228**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567428 - 145137	Hole Type	HA
Location:	Paddock Wood, Kent			Level:		Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	18/09/2014 - 18/09/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.10	ES		0.10			Brown sandy TOPSOIL with much fine to coarse gravel of brick, flint, concrete, rootlets, chalk, mortar and ash.
		0.30	ES					Pale orange brown sandy slightly clayey gravel MADE GROUND of concrete, breeze block, clinker, brick, ash with occasional mortar and fibrous material.
		0.40	ES		0.50			End of borehole at 0.50 m

Remarks  
 Borehole terminated at 0.50m due to obstructions.



1  
2



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# Borehole Log

Borehole No.

**HA229**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567390 - 145134	Hole Type	HA
Location:	Paddock Wood, Kent			Level:		Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	19/09/2014 - 19/09/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.10	ES		0.10			Brown sandy TOPSOIL with some fine to coarse gravel of flint.
		0.20	ES					Orange brown sandy silty gravelly clay MADE GROUND with much fine to coarse gravel of flint, brick, concrete, clinker, plastic sheeting and wood.
		0.40	ES		0.50			End of borehole at 0.50 m

Remarks  
Borehole terminated at 0.50m due to concrete slab.



1  
2



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# Borehole Log

Borehole No.

**HA230**

Sheet 1 of 1

Project Name: Former Halls Site, Paddock Wood

Project No.  
LP00762

Co-ords: 567384 - 145131

Hole Type  
HA

Location: Paddock Wood, Kent

Level:

Scale  
1:10

Client: Tunbridge Wells Borough Council

Dates: 18/09/2014 - 18/09/2014

Logged By  
SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.20	ES		0.10		Brown sandy organic peaty TOPSOIL with occasional fine gravel of flint.	
							Orange brown sandy silty clay MADE GROUND with some fine to coarse gravel of flint, concrete and occasional clinker.	
		0.40 - 0.50	ES		0.60			
0.50	ES							
							End of borehole at 0.60 m	

1

2

Remarks





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# Borehole Log

Borehole No.

**HA231**

Sheet 1 of 1

Project Name: Former Halls Site, Paddock Wood

Project No.  
LP00762

Co-ords: 567407 - 145122

Hole Type  
HA

Location: Paddock Wood, Kent

Level:

Scale  
1:10

Client: Tunbridge Wells Borough Council

Dates: 17/09/2014 - 17/09/2014

Logged By  
SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.10	ES		0.10		Brown sandy TOPSOIL with much fine to coarse gravel of flint, brick, clinker and ash.	
		0.20	ES				Brown grey sandy gravelly clay MADE GROUND with much fine to coarse gravel of concrete, brick, flint and ash.	
		0.40	ES		0.50		End of borehole at 0.50 m	

1

2

Remarks  
Borehole terminated at 0.5 due to concrete gravel.





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# Borehole Log

Borehole No.

**HA232**

Sheet 1 of 1

Project Name: Former Halls Site, Paddock Wood

Project No.  
LP00762

Co-ords: 567368 - 145092

Hole Type  
HA

Location: Paddock Wood, Kent

Level:

Scale  
1:10

Client: Tunbridge Wells Borough Council

Dates: 18/09/2014 - 18/09/2014

Logged By  
SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.20	ES					Brown sandy TOPSOIL with rootlets.
		0.35	ES		0.30			Pale blue grey silty sandy gravel MADE GROUND of brick.
		0.50	ES		0.40			Pale orange brown silty clay MADE GROUND with fine to coarse gravel of flint and fragments of wood and ash.
					0.60			End of borehole at 0.60 m

1

2

Remarks





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# Borehole Log

Borehole No.

**HA233**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567343 - 145131	Hole Type	HA
Location:	Paddock Wood, Kent			Level:		Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	15/09/2014 - 15/09/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.10	ES		0.15			Brown sandy gravelly TOPSOIL with much fine to coarse gravel of flint, brick, mortar and clinker.
		0.30	ES					Orange and yellow sandy silty clay MADE GROUND with much fine to coarse gravel of brick, clinker, concrete and mortar.
		0.50	ES		0.60			<p><u>Band of yellow sand at 0.50m.</u></p> <p>-----            End of borehole at 0.60 m</p>

1

2

Remarks





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# Borehole Log

Borehole No.

**HA234**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567324 - 145134	Hole Type	HA
Location:	Paddock Wood, Kent			Level:		Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	18/09/2014 - 18/09/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.20	ES		0.05			Gravel over plastic sheeting.
		0.25	ES		0.30			Brown sandy TOPSOIL with much fine to coarse gravel of brick, flint, mortar, clinker, oyster shell, breeze block, slate with occasional plastic fragments.
		0.50	ES		0.60			Orange brown sandy silty clay MADE GROUND with occasional coarse gravel of brick and flint.
								End of borehole at 0.60 m

Remarks



1

2



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# Borehole Log

Borehole No.

**HA235**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567348 - 145090	Hole Type	HA
Location:	Paddock Wood, Kent			Level:		Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	16/09/2014 - 16/09/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.20	ES		0.30		Brown sandy TOPSOIL with some fine to medium gravel of flint, brick and mortar.	
		0.40	ES				Pale orange brown sandy clay MADE GROUND with some fine to coarse gravel of flint, brick, concrete, mortar, clinker and some fibrous white cement bound material. Becoming very clayey with occasional clinker and slate towards base.	
		0.50	ES		0.60		End of borehole at 0.60 m	

Remarks



1  
2





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# Borehole Log

Borehole No.

**HA236**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567333 - 145091	Hole Type	HA
Location:	Paddock Wood, Kent			Level:		Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	19/09/2014 - 19/09/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.10	ES		0.20		Brown sandy TOPSOIL with some fine to coarse gravel of flint, shell and brick.	
		0.30	ES				Brown sandy silty clay MADE GROUND with much fine to coarse gravel of flint and ash.	
		0.55	ES		0.50		Brown grey sandy silty clay MADE GROUND with much fine to coarse gravel of concrete, brick and clinker.	
					0.60		End of borehole at 0.60 m	

Remarks



1  
2



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# Borehole Log

Borehole No.

**HA237**

Sheet 1 of 1

Project Name: Former Halls Site, Paddock Wood

Project No.  
LP00762

Co-ords: 567324 - 145091

Hole Type  
HA

Location: Paddock Wood, Kent

Level:

Scale  
1:10

Client: Tunbridge Wells Borough Council

Dates: 19/09/2014 - 19/09/2014

Logged By  
SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.10	ES		0.10			Brown sandy TOPSOIL with some fine to medium gravel of brick, mortar, chalk and charcoal.
		0.25 0.26	ES ES					Orange brown and grey brown silty clay MADE GROUND with some fine to coarse gravel of flint and concrete.  <i>Suspected asbestos cement tiles at 0.25m.</i>
					0.40			Orange brown sandy silty clay with some fine to coarse gravel of concrete, mortar, clinker and occasional tiles.
		0.55	ES		0.60			End of borehole at 0.60 m

1

2

Remarks





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# Borehole Log

Borehole No.

**HA238**

Sheet 1 of 1

Project Name: Former Halls Site, Paddock Wood

Project No.  
LP00762

Co-ords: 567318 - 145092

Hole Type  
HA

Location: Paddock Wood, Kent

Level:

Scale  
1:10

Client: Tunbridge Wells Borough Council

Dates: 18/09/2014 - 18/09/2014

Logged By  
SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.20	ES		0.20			Brown sandy silty TOPSOIL with much fine to coarse gravel of flint, concrete, oyster shell, clinker, mortar and rootlets.
		0.30	ES					Pale orange brown sandy silty clay MADE GROUND with occasional fine to coarse gravel of flint, brick and clinker.
		0.50	ES		0.60			End of borehole at 0.60 m

1  
2

Remarks





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# Borehole Log

Borehole No.

**HA239**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567296 - 145106	Hole Type	HA
Location:	Paddock Wood, Kent			Level:		Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	19/09/2014 - 19/09/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.10	ES		0.05		Gravel over geotextile.	
							Brown sandy TOPSOIL with some fine to coarse gravel of cement, brick and flint with rare suspected asbestos cement fragments.	
		0.30	ES		0.40		Brown sandy clay MADE GROUND with much fine to coarse gravel of flint, brick, concrete, clinker, roadstone and ash.	
					0.50		Dark brown sandy gravelly clay MADE GROUND with some fine to coarse gravel of ash, brick, rootlets and clinker.	
		0.55	ES		0.60		End of borehole at 0.60 m	

Remarks



1  
2



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# Borehole Log

Borehole No.

**HA240**

Sheet 1 of 1

Project Name:	Former Halls Site, Paddock Wood	Project No.	LP00762	Co-ords:	567306 - 145120	Hole Type	HA
Location:	Paddock Wood, Kent			Level:		Scale	1:10
Client:	Tunbridge Wells Borough Council			Dates:	16/09/2014 - 16/09/2014	Logged By	SSC

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.10	ES		0.15			Brown sandy TOPSOIL with some fine to coarse gravel of brick, flint and chalk.
		0.30	ES					Orange brown sandy clay MADE GROUND with much fine to coarse gravel of brick, flint, concrete, mortar and clinker.
		0.55	ES		0.50			Pale orange brown sandy gravelly clayey MADE GROUND with gravel of concrete, ash, clinker.
					0.60			End of borehole at 0.60 m

1

2


Remarks




## APPENDIX D


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Gas and Groundwater  
Monitoring


				Gas Monitoring Record											
				Location											
				WSI02		WSI14		WSI18		WSI21		WSI38		WSI43	
				Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady
Date:	16/07/2014	Maximum Flow Rate	l/h	0.0		-0.1		0.0		-0.1		0.0		0	
Project No:	LP00762		Maximum Borehole Pressure	mb	0		0		0		0		0		0
Site:	Former Halls Site, Paddock Wood	Engineer:		JM	0		0		0		0		0		0
Temp °C	25		Methane	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Carbon Dioxide	%	3.1	3.1	0.2	0.2	3.9	3.9	0.4	0.4	1.1	1.1	3.5	3.5
Atmospheric Pressure mb	1019 stable	Carbon Monoxide	ppm	0	0	0	0	0	0	1	1	0	0	0	0
		Hydrogen Sulphide	ppm	0	0	0	0	0	0	0	0	0	0	0	0
Weather Conditions	2/8 cloud, dry	Oxygen	%	17.5	17.5	10.3	10.3	15.0	15.0	17.1	17.1	18.7	18.7	16.8	16.8
		VOC	Ppm	0.0		0.0		0.0		1.4		4.9		4.8	
		Borehole depth	m	3		3		3		3		3		3	
		Water Level	mbgl	2.31		1.31		1.52		1.80		1.58		2.38	


				Gas Monitoring Record											
				Location											
				WSI50		WSI58		WSI60		WSI65		WSI66			
				Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady
Date:	16/07/2014	Maximum Flow Rate	l/h	8.5		0.0		0.0		0.0		3.8			
Project No:	LP00762														
Site:	Former Halls Site, Paddock Wood	Maximum Borehole Pressure	mb	0		0		0		0		0			
Engineer:	JM														
Temp °C	25	Methane	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1		
		Carbon Dioxide	%	2.3	2.3	0.1	0.1	2.5	2.5	0.0	0.0	1.8	1.8		
Atmospheric Pressure mb	1019 stable	Carbon Monoxide	ppm	1	1	0	0	0	0	0	0	4	4		
		Hydrogen Sulphide	ppm	0	0	0	0	0	0	0	0	0	0	0	
Weather Conditions	2/8 cloud, dry	Oxygen	%	18.0	18.0	19.4	19.4	17.6	17.6	20.1	20.1	16.0	16.0		
		VOC	Ppm	0		1.6		2.3		0.0		0.1			
		Borehole depth	m	3		3		3		3		3			
		Water Level	mbgl	1.44		1.43		1.55		1.42		1.21			





				Gas Monitoring Record											
				Location											
				WSI02		WSI14		WSI18		WSI21		WSI38		WSI43	
				Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady
Date:	23/07/2014	Maximum Flow Rate	l/h	0.0		0.0		0.0		0.0		0.0		0.0	
Project No:	LP00762														
Site:	Former Halls Site, Paddock Wood	Maximum Borehole Pressure	mb	0		0		0		0		0		0	
Engineer:	JM														
Temp °C	24	Methane	%	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0
		Carbon Dioxide	%	4.1	4.1	0.3	0.3	4.2	4.2	0.4	0.3	1.3	1.3	1.2	1.2
Atmospheric Pressure mb	1018 @ 1220 1016 @ 1500	Carbon Monoxide	ppm	0	0	0	0	0	0	4	0	0	0	0	0
		Hydrogen Sulphide	ppm	0	0	0	0	0	0	0	0	0	0	0	0
Weather Conditions	3/8 cloud, sunny, dry	Oxygen	%	16.6	16.6	3.4	3.4	16.6	16.6	19.4	19.4	18.1	18.1	18.9	18.9
		VOC	Ppm	0.0		0.0		0.0		0.0		3.1		0.4	
		Borehole depth	m	3		3		3		3		3		3	
		Water Level	mbgl	2.34		1.31		1.58		2.25		1.58		2.54	


				Gas Monitoring Record											
				Location											
				WSI50		WSI58		WSI60		WSI65		WSI66			
				Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady
Date:	23/07/2014	Maximum Flow Rate	l/h	6.7		0.0		0.0		-0.2		3.9			
Project No:	LP00762														
Site:	Former Halls Site, Paddock Wood	Maximum Borehole Pressure	mb	0		0		0		0		0			
Engineer:	JM														
Temp °C	24	Methane	%	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0		
		Carbon Dioxide	%	1.8	1.8	0.0	0.0	2.2	2.2	0.3	0.3	1.5	1.5		
Atmospheric Pressure mb	1018 @ 1220 1016 @ 1500	Carbon Monoxide	ppm	0	0	0	0	0	0	2	2	2	2		
		Hydrogen Sulphide	ppm	0	0	0	0	0	0	0	0	0	0		
Weather Conditions	3/8 cloud, sunny, dry	Oxygen	%	18.6	18.6	19.5	19.5	18.3	18.3	19.8	19.8	17.7	17.7		
		VOC	Ppm	0.0		0.0		0.8		0.0		0.0			
		Borehole depth	m	3		3		3		3		3			
		Water Level	mbgl	0.94		1.53		1.25		1.06		1.22			


				Gas Monitoring Record											
				Location											
				WSI02		WSI14		WSI18		WSI21		WSI38		WSI43	
				Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady
Date:	30/07/2014	Maximum Flow Rate	J/h	0.0		0.0		0.0		0.0		0.0		0.0	
Project No:	LP00762														
Site:	Former Halls Site, Paddock Wood	Maximum Borehole Pressure	mb	0		0		0		0		0		0	
Engineer:	JM														
Temp °C	23	Methane	%	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
		Carbon Dioxide	%	3.0	3.0	0.2	0.2	3.9	3.9	0.1	0.1	1.4	1.4	1.3	1.3
Atmospheric Pressure mb	1015 stable	Carbon Monoxide	ppm	0	0	0	0	0	0	0	0	0	0	0	0
		Hydrogen Sulphide	ppm	0	0	0	0	0	0	0	0	0	0	0	0
Weather Conditions	Cleary sky, dry	Oxygen	%	17.7	17.7	4.6	4.6	16.1	16.1	19.9	19.9	18.8	18.8	19.0	19.0
		VOC	Ppm	0.0		0.0		0.0		0.0		2.8		0.1	
		Borehole depth	m	3		3		3		3		3		3	
		Water Level	mbgl	2.44		1.37		1.59		2.30		1.56		2.51	

				Gas Monitoring Record											
				Location											
				WSI50		WSI58		WSI60		WSI65		WSI66			
				Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady
Date:	30/07/2014	Maximum Flow Rate	J/h	0.0		0.0		-0.1		0.0		2.2			
Project No:	LP00762														
Site:	Former Halls Site, Paddock Wood	Maximum Borehole Pressure	mb	0		0		0		0		0			
Engineer:	JM														
Temp °C	23	Methane	%	0	0.0	0	0.0	0	0.0	0.0	0.0	0	0.0		
		Carbon Dioxide	%	0.9	0.9	0.1	0.1	0	0.0	1.1	1.1	0	0.0		
Atmospheric Pressure mb	1015 stable	Carbon Monoxide	ppm	0	0	0	0	0	0	0	0	0	0		
		Hydrogen Sulphide	ppm	0	0	0	0	0	0	0	0	0	0		
Weather Conditions	Cleary sky, dry	Oxygen	%	19.1	19.1	19.4	19.4	17.9	17.9	18.6	18.6	18.3	18.3		
		VOC	Ppm	0.0		0.0		0.4		0.0		0.0			
		Borehole depth	m	3		3		3		3		3			
		Water Level	mbgl	0.99		1.47		1.37		1.12		1.26			


				Gas Monitoring Record												
				Location												
				WSI02		WSI14		WSI18		WSI21		WSI38		WSI43		
				Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	
Date:	07/08/14	Maximum Flow Rate	l/h	0.0		0.0		0.0		0.0		-0.1		0.0		
Project No:	LP00762		Maximum Borehole Pressure	mb	0		0		0		0		0		0	
Site:	Former Halls Site, Paddock Wood	Engineer:		JM	0		0		0		0		0		0	
Temp °C	25			Methane	%	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
		Carbon Dioxide	%	4.5	4.5	0.4	0.4	5.2	5.2	0.3	0.3	1.3	1.3	2.4	2.4	
Atmospheric Pressure mb	1012 @ 1400 1012 @ 1530	Carbon Monoxide	ppm	0	0	0	0	0	0	0	0	0	0	0	0	
		Hydrogen Sulphide	ppm	0	0	0	0	0	0	0	0	0	0	0	0	
Weather Conditions	3/8 cloud, sunny, dry	Oxygen	%	16.5	16.5	0.8	0.8	14.7	14.7	19.7	19.7	18.8	18.8	17.7	17.7	
		VOC	Ppm	0.3		0.0		0.5		0.5		2		1.3		
		Borehole depth	m	3		3		3		3		3		3		
		Water Level	mbgl	2.45		1.72		2.07		2.27		2.00		2.60		


				Gas Monitoring Record											
				Location											
				WSI50		WSI58		WSI60		WSI65		WSI66			
				Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady
Date:	07/08/14	Maximum Flow Rate	l/h	7.1		0.0		0.0		-0.1		0.0			
Project No:	LP00762														
Site:	Former Halls Site, Paddock Wood	Maximum Borehole Pressure	mb	0		0		0		0		0			
Engineer:	JM														
Temp °C	25	Methane	%	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
		Carbon Dioxide	%	1.4	1.4	0.1	0.1	2.4	2.4	0.1	0.1	2.5	2.5		
Atmospheric Pressure mb	1012 @ 1400 1012 @ 1530	Carbon Monoxide	ppm	0	0	0	0	0	0	0	0	0	0		
		Hydrogen Sulphide	ppm	0	0	0	0	0	0	0	0	0	0		
Weather Conditions	3/8 cloud, sunny, dry	Oxygen	%	19.2	19.2	19.5	19.5	18.0	18.0	20.0	20.0	16.9	16.9		
		VOC	Ppm	0.9		0.6		1.0		0.8		0.7			
		Borehole depth	m	3		3		3		3		3			
		Water Level	mbgl	1.51		1.92		1.78		NR (pipe in hole – limited access, unable to remove)		1.65			

				Gas Monitoring Record											
				Location											
				WSI02		WSI14		WSI18		WSI21		WSI38		WSI43	
				Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady
Date:	13/08/14	Maximum Flow Rate	l/h	0.0		0.1		0.0		0.0		0.1		0.0	
Project No:	LP00762														
Site:	Former Halls Site, Paddock Wood	Maximum Borehole Pressure	mb	0		NR		0		0		0		0	
Engineer:	JM / MT														
Temp °C	22	Methane	%	0.2	0.2	0.4	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
		Carbon Dioxide	%	4.9	4.9	0.2	0.2	6.0	6.0	0.1	0.1	1.1	1.1	2.1	2.1
Atmospheric Pressure mb	1003	Carbon Monoxide	ppm	0	0	3	3	0	0	0	0	0	0	0	0
		Hydrogen Sulphide	ppm	0	0	0	0	0	0	0	0	0	0	0	0
Weather Conditions	Sunshine / partly cloudy, dry	Oxygen	%	15.4	15.4	2.0	2.0	12.3	12.3	20	20.0	18.9	18.9	17.2	17.2
		VOC	Ppm	0.4		0.5		0.5		0.5		0.1		0.54	
		Borehole depth	m	3		3		3		3		3		3	
		Water Level	mbgl	1.98		1.60		1.23		0.91		1.55		2.10	


				Gas Monitoring Record											
				Location											
				WSI50		WSI58		WSI60		WSI65		WSI66			
				Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady
Date:	13/08/14	Maximum Flow Rate	l/h	16.5		0.1		1.7		3.5		-0.1			
Project No:	LP00762														
Site:	Former Halls Site, Paddock Wood	Maximum Borehole Pressure	mb	0		0		0		0		0			
Engineer:	JM / MT														
Temp °C	22	Methane	%	0.1	0.1	0.2	0.2	0.2	0.2	0	0.0	0	0		
		Carbon Dioxide	%	1.6	1.6	0	0.0	2.2	2.2	0.3	0.3	2.6	2.6		
Atmospheric Pressure mb	1003	Carbon Monoxide	ppm	2	2	0	0	1	1	1	1	1	1		
		Hydrogen Sulphide	ppm	0	0	0	0	0	0	0	0	0	0		
Weather Conditions	Sunshine / partly cloudy, dry	Oxygen	%	18.9	18.9	19.6	19.6	17.7	17.7	19.4	19.4	16.2	16.2		
		VOC	Ppm	0.1		1.5		0.4		0.5		0.7			
		Borehole depth	m	3		3		3		3		3			
		Water Level	mbgl	0.82		1.36		0.73		NR (pipe in hole – limited access, unable to remove)		0.94			



				Gas Monitoring Record											
				Location											
				WS102		WS114		WS118		WS121		WS138		WS143	
				Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady
Date:	20/8/14	Maximum Flow Rate	l/h	0		-0.5		0		0		0		0.1	
Project No:	LP00762														
Site:	Former Halls Site, Paddock Wood	Maximum Borehole Pressure	mb	0		0		0		0		0		0	
Engineer:	MT/JM														
Temp °C	17	Methane	%	0	0	0.2	0.1	0	0	0	0	0	0	0.1	0.1
		Carbon Dioxide	%	5.5	5.5	0.1	0.1	5.6	5.6	0.7	0.1	1.2	1.2	3.8	3.8
Atmospheric Pressure mb	1015 @ 12.15	Carbon Monoxide	ppm	0	0	0	0	0	0	0	0	0	0	0	0
		Hydrogen Sulphide	ppm	0	0	0	0	0	0	0	0	0	0	0	0
Weather Conditions	Sunny, light breeze, partly cloudy.	Oxygen	%	15.1	15.1	11.1	15.6	14.9	14.9	19.9	20.4	19.2	19.2	17.4	17.4
		VOC	Ppm	0.2		0.4		0.2		0.2		0.0		0.6	
		Borehole depth	m	3		3		3		3		3		3	
		Water Level	mbgl	2.47		1.1		1.78		1.57		2.0		2.55	

				Gas Monitoring Record											
				Location											
				WS150		WS158		WS160		WS165		WS166			
				Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady
Date:	20/8/14	Maximum Flow Rate	l/h	0		0		0		0		0			
Project No:	LP00762														
Site:	Former Halls Site, Paddock Wood	Maximum Borehole Pressure	mb	0		0		0		0		0			
Engineer:	MT/JM														
Temp °C	17	Methane	%	0.2	0.2	0	0	0	0	0	0	0	0		
		Carbon Dioxide	%	3.1	3.1	0.1	0	1.3	1.3	0.3	0	1.2	1.2		
Atmospheric Pressure mb	1015 @ 12.15	Carbon Monoxide	ppm	2	2	0	0	1	1	0	0	1	1		
		Hydrogen Sulphide	ppm	0	0	0	0	0	0	0	0	0	0		
Weather Conditions	Sunny, light breeze, partly cloudy.	Oxygen	%	19.4	19.4	20.5	20.5	19.0	19.0	19.3	19.6	19.5	19.5		
		VOC	Ppm	0		1.6		0.01		0.03		0.1			
		Borehole depth	m	3		3		3		3		3			
		Water Level	mbgl	1.28		1.8		1.4		N/R ( pipe in hole – limited access, unable to remove)		1.45			

			Groundwater Monitoring Record					
			Location					
			WS102	WS114	WS118	WS121	WS138	WS143
Date:	23/07/2014	Well Diameter (mm)	38	38	38	38	38	38
Project No:	LP00762	Borehole Depth (m)	3	3	3	3	3	2.8
Site:	Former Halls Site, Paddock Wood	Water Level (mbgl)	2.34	1.31	1.58	2.25	1.58	2.54
Engineer:	JM	Volume Purged (l)	0	0	0	0	0	N/A
Sampling Method	Inertia pump	Samples Taken	1 x 1L glass (500ml only)	1 x 1L glass	1 x 1L glass	1 x 1L glass	1 x 1L glass	Too little to sample
		Notes on sample appearance	Slight sheen Slight HC odour	Cloudy yellow brown	Cloudy yellow brown	Pale yellow brown	Pale yellow brown	N/A
Weather Conditions	3/8 cloud, sunny, dry	Other			Slight rotten egg smell	Slight HC (blacktop) odour	Sheen, HC odour (tarry)	N/A
Air Temperature	24	pH	5.7	5.8	5.8	5.8	5.8	N/A
		Temperature (°C)	20	20	18	18	20	N/A
		EC (µS/cm)	770	1040	970	1320	780	N/A
		TDS (ppm)	380	520	480	680	390	N/A
		D.O.	1.8	1.4	3.0	2.1	1.0	N/A

			Groundwater Monitoring Record						
			Location						
			WS150	WS158	WS160	WS165	WS166		
Date:	23/07/2014	Well Diameter (mm)	38	38	38	38	38		
Project No:	LP00762	Borehole Depth (m)	3	3	3	3	3		
Site:	Former Halls Site, Paddock Wood	Water Level (mbgl)	0.94	1.53	1.25	1.06	1.22		
Engineer:	JM	Volume Purged (l)	0	0	0	0	0		
Sampling Method	Inertia pump	Samples Taken	1 x 1L glass	1 x 1L glass	1 x 1L glass	1 x 1L glass	1 x 1L glass		
		Notes on sample appearance	Cloudy light yellow brown	Cloudy light yellow brown	Cloudy light yellow brown	Cloudy light yellow brown	Cloudy light yellow brown		
Weather Conditions	3/8 cloud, sunny, dry	Other					Slight HC odour		
Air Temperature	24	pH	5.3	5.5	5.5	5.9	5.8		
		Temperature (°C)	21	22	19	18	19		
		EC (µS/cm)	1020	570	1380	1250	550		
		TDS (ppm)	510	280	690	620	270		
		D.O.	0.8	3.6	1.3	2.5	1.0		

## GA2000 Infra Red Gas Analyser

Infra red detectors are used to measure the absorption of radiation by methane and carbon dioxide molecules in the IR region of the electromagnetic spectrum. The detectors are specific to carbon dioxide and methane. Oxygen is also determined by the use of an electrochemical cell within the unit. This cell also detects any Carbon Monoxide or Hydrogen Sulphide present in parts per million.

The stated accuracy and detection limits of the instrument are as follows:

Measurement	Range	Typical Accuracy
Flow from borehole	0 - +/- 20 L/Hr	± 0.3 L/hr
CH <sub>4</sub>	0-70% (to specification) 0-100% (reading)	(see below)
CO <sub>2</sub>	0-60% (to specification) 0-100% (reading)	(see below)
O <sub>2</sub>	1-25%	(see below)
CO	0-500ppm	± 10.0%
H <sub>2</sub> S	0-500ppm	± 10.0%

Concentration	Typical Accuracy		
	CH <sub>4</sub> % by volume	CO <sub>2</sub> % by volume	O <sub>2</sub> % by volume
0 - 5 %	± 0.5%	± 0.5%	± 1.0%
5 - 15%	± 1.0%	± 1.0%	± 1.0%
15 - 100%	± 3.0%	± 3.0%	± 1.0%

Operating Conditions	
Operating temperature range	0°C – 40 °C
Relative humidity	0 – 95% non condensing
Barometric pressure	± 200mbar from calibration pressure
Barometric pressure accuracy	± 5mbar typically

## Photoionization Detector

A Phocheck plus 2000 portable photoionization detector (PID) has been used in this investigation.

The PID measures the concentration of photoionizable chemicals in a gas stream. A 10.6eV ultraviolet lamp generates photons which ionize molecules with an ionization potential of 10.6eV or less in the gas stream. Many of the chemicals considered pollutants, including most hydrocarbons are ionized. It should be noted that substances with an ionization potential greater than 10.6eV (eg methane) pass through the detector without ionization. The ionized molecules generate an electric current which is proportional to the concentration of ionized molecules in the detector cell.

The PID is calibrated to isobutylene and the reading quoted is therefore in ppm isobutylene equivalent unless otherwise stated. Where the composition of the pollutant gas is known and is a single compound then the instrument may be directly calibrated to provide quantitative results. Alternatively the instrument's own library of calibration values may be used to provide semi quantitative results.

In general where the composition is unknown or is a mixture of compounds then the readings are regarded as qualitative only. The instrument is used primarily to highlight samples for laboratory testing. The instrument is also used effectively to highlight areas of relative contamination and thereby highlight hotspots or migration pathways.

In this investigation soil samples of about 0.5-1.0kg in weight have been placed in a plastic bag and agitated. The PID has then been used to monitor VOCs released within the bag using a dedicated probe which pierces the bag.

Each reading presented in this report represents the peak value recorded over a five minute period unless otherwise stated.

## APPENDIX E

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Laboratory Testing



2683



Unit A2  
Windmill Road  
Ponswood Industrial Estate  
St Leonards on Sea  
East Sussex  
TN38 9BY  
Telephone (01424) 718618  
Facsimile (01424) 729911

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## THE ENVIRONMENTAL LABORATORY LTD

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F.A.O. Darren Beasley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Reporting Date: 15 October 2014

### ANALYTICAL REPORT No. 55220B - Amended

**Samples Received By:** Laboratory Courier  
**Sample Receipt Date:** 02/07/14  
**Your Job No:** LP00762  
**Your Order No:** LPO 2481  
**Site Location:** Paddock Wood, Former Halls SITE  
**ELAB Invoice Number:** 55220  
**No Samples Received:** 109  
**Date of Sampling:** ---

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*This report was written by:* Stuart Ballard

Authorised By;

Steve Knight  
Reporting Manager

---

Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

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# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55220B

Location: Paddock Wood, Former Halls SITE



Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 15/10/14

F.A.O. Darren Beasley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Characteristic	Silt Loam	Silty Clay Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silty Clay Loam	Silt Loam	Sand
<b>Soils</b>											
Date Sampled	--	--	--	--	--	26/06/14	--	--	--	--	--
TP/BH	WS101	WS101	WS102	WS102	WS102	WS103	WS103	WS103	WS103	WS104	WS104
Depth (m)	0.30	1.10	0.50	0.70	1.30	0.15	0.40	0.90	0.40	1.00	1.00
Our ref	24502	24505	24507a	24508	24510	24594	24512	24513	24516	24519	24519
Stone Content (%)	34	<1	6	<1	<1	11	11	<1	23	21	21
Arsenic** (mg/kg)	10.0	10.6	10.5	12.3	9.7	10.5	11.7	11.4	12.3	12.3	12.3
Cadmium** (mg/kg)	<0.5	<0.5	<0.5	<0.5	<0.5	1.3	0.6	<0.5	<0.5	<0.5	<0.5
Chromium** (mg/kg)	13	28	22	28	27	24	28	27	17	20	20
Lead** (mg/kg)	60	18	38	20	19	183	46	42	42	31	31
Mercury** (mg/kg)	<0.5	<0.5	<0.5	<0.5	<0.5	2.8	1.3	<0.5	<0.5	<0.5	<0.5
Nickel** (mg/kg)	10	18	16	22	20	14	24	20	14	17	17
Copper** (mg/kg)	21	20	19	16	13	29	23	24	15	20	20
Zinc** (mg/kg)	71	63	92	65	64	112	95	181	77	65	65
Selenium** (mg/kg)	<1	1.1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexavalent Chromium (mg/kg)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
pH Value** (Units)	10.2	8.2	8.4	7.7	7.7	7.5	8.3	8.0	11.1	10.6	10.6
Total Sulphate (% as SO <sub>4</sub> )	0.19	0.22	0.19	0.24	0.20	0.20	0.19	0.24	0.27	0.37	0.37
Total Chloride (%)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.04
Free Cyanide (mg/kg)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Complex Cyanide (mg/kg)	<5	<5	<5	5.3	<5	<5	<5	<5	<5	<5	<5
Sulphide (mg/kg)	3.4	<2	<2	<2	<2	<2	<2	5.1	11.0	2.4	2.4
Total Monohydric Phenols*** (mg/kg)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Organic Carbon (%)	0.7	0.1	1.6	0.3	0.2	1.5	0.6	2.0	0.4	0.4	0.4

\*\* - MCERTS accredited test

\*\*\* - Sum of Phenol, 2, 3, 5-, Trimethylphenol, 2, 3-, Dimethylphenol, 3, 4-Dimethylphenol, Resorcinol/Catechol, o-Cresol, m, p-Cresol & Naphthol

\* - UKAS accredited test

All results expressed on dry weight basis

Stuart Ballard



2683

# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55220B**

Location: Paddock Wood, Former Halls SITE



Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 15/10/14

F.A.O. Darren Beasley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Characteristic	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam
<b>Soils</b>											
Date Sampled	---	---	---	---	26/06/14	26/06/14	26/06/14	26/06/14	26/06/14	26/06/14	26/06/14
TP/BH	WS105	WS106	WS107	WS107b	WS108	WS108	WS108	WS109	WS109	WS110	WS110
Depth (m)	0.10	0.50	0.20	0.20	0.10	0.30	0.30	0.30	0.60	0.40	0.70
Our ref	24520	24526	24531	24537	24596	24597	24597	24604	24605	24608	24609
Stone Content (%)	8	18	26	28	27	15	15	15	7	18	26
Arsenic** (mg/kg)	12.5	11.6	11.7	10.8	9.8	13.7	10.1	11.2	11.0	11.0	8.5
Cadmium** (mg/kg)	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	0.6	<0.5	<0.5	<0.5
Chromium** (mg/kg)	25	22	22	20	19	110	21	24	16	16	13
Lead** (mg/kg)	34	75	159	1548	114	187	45	37	47	47	66
Mercury** (mg/kg)	<0.5	<0.5	<0.5	<0.5	<0.5	0.9	<0.5	<0.5	<0.5	<0.5	<0.5
Nickel** (mg/kg)	24	19	17	15	14	20	15	18	14	14	13
Copper** (mg/kg)	18	103	34	29	21	34	21	16	12	12	12
Zinc** (mg/kg)	81	108	138	129	103	135	86	86	65	65	63
Selenium** (mg/kg)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexavalent Chromium (mg/kg)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
pH Value** (Units)	9.7	10.1	8.5	8.8	8.3	9.0	8.4	8.3	8.3	8.3	8.7
Total Sulphate (% as SO <sub>4</sub> )	0.24	0.23	0.19	0.18	0.18	0.21	0.21	0.22	0.22	0.15	0.17
Total Chloride (%)	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	0.61	<0.01	<0.01
Free Cyanide (mg/kg)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Complex Cyanide (mg/kg)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Sulphide (mg/kg)	<2	<2	3.2	2.7	<2	<2	<2	2.5	<2	7.0	2.3
Total Monohydric Phenols*** (mg/kg)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Organic Carbon (%)	0.5	0.9	1.2	1.4	0.7	1.2	0.8	1.0	1.0	1.3	1.0

\*\* - MCERTS accredited test

\*\*\* - Sum of Phenol, 2, 3, 5,-Trimethylphenol, 2, 3,-Dimethylphenol, 3, 4-Dimethylphenol, Resorcinol/Catechol, o-Cresol, m, p-Cresol & Naphthol

\* - UKAS accredited test

All results expressed on dry weight basis

Stuart Ballard



2683

# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55220B**

Location: Paddock Wood, Former Halls SITE



Your Job No: LP00762  
 Your Order No: LPO 2481  
 Reporting Date: 15/10/14

**F.A.O. Darren Beasley**  
**Leap Environmental Ltd.**  
**The Atrium, Curtis Road**  
**Dorking, Surrey**  
**RH4 1XA**

Characteristic	Silt Loam	Silt Loam	Sandy Silt Loam	Sand	Sandy Silt Loam	Silty Clay loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam
<b>Soils</b>										
Date Sampled	26/06/14	26/06/14	26/06/14	27/06/14	26/06/14	27/06/14	27/06/14	27/06/14	27/06/14	27/06/14
TP/BH	WS110	WS111	WS111	WS112	WS114	WS115	WS116	WS116	WS117	WS117
Depth (m)	2.00	0.50	1.50	0.60	0.40	0.90	0.80	0.20	0.50	0.10
Our ref	24611	24613	24615	24766	24621	24770	24776	24773	24780	24778
Stone Content (%)	<1	21	<1	28	29	<1	<1	<1	11	<1
Arsenic** (mg/kg)	19.3	9.7	17.9	9.8	12.1	10.6	5.7	9.1	11.9	17.8
Cadmium** (mg/kg)	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium** (mg/kg)	32	25	34	15	18	39	28	20	30	26
Lead** (mg/kg)	19	246	28	12	204	27	14	34	69	86
Mercury** (mg/kg)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.9
Nickel** (mg/kg)	37	19	33	14	14	24	16	14	23	17
Copper** (mg/kg)	21	19	24	11	35	16	10	14	30	22
Zinc** (mg/kg)	79	92	70	54	111	86	52	79	135	63
Selenium** (mg/kg)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexavalent Chromium (mg/kg)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
pH Value** (Units)	7.7	8.4	7.4	1.2	8.4	7.7	6.7	8.1	8.0	6.9
Total Sulphate (% as SO <sub>4</sub> )	0.23	0.19	0.22	0.27	0.14	0.22	0.19	0.21	0.15	0.21
Total Chloride (%)	0.63	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	0.01	<0.01	<0.01
Free Cyanide (mg/kg)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Complex Cyanide (mg/kg)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Sulphide (mg/kg)	<2	2.6	<2	<2	3.0	<2	28.3	<2	<2	<2
Total Monohydric Phenols*** (mg/kg)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Organic Carbon (%)	<0.1	0.6	<0.1	0.4	1.0	0.5	0.2	0.7	0.8	0.6

\*\* - MCERTS accredited test      \*\*\* - Sum of Phenol, 2, 3, 5-, Trimethylphenol, 2, 3-, Dimethylphenol, 3, 4-Dimethylphenol, Resorcinol/Catechol, o-Cresol, m, p-Cresol & Naphthol

\* - UKAS accredited test      All results expressed on dry weight basis

Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55220B**

Location: Paddock Wood, Former Halls SITE



Your Job No: LP00762  
 Your Order No: LPO 2481  
 Reporting Date: 15/10/14

F.A.O. Darren Beasley  
 Leap Environmental Ltd.  
 The Atrium, Curtis Road  
 Dorking, Surrey  
 RH4 1XA

Characteristic	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silty Clay loam	Sandy Silt Loam	Silty Clay Loam	Silty Clay Loam	Silt Loam
<b>Soils</b>											
Date Sampled	27/06/14	27/06/14	27/06/14	27/06/14	27/06/14	27/06/14	27/06/14	26/06/14	26/06/14	26/06/14	---
TP/BH	WS118	WS118	WS118	WS118	WS118	WS118	WS119	WS166	WS166	WS166	WS124
Depth (m)	2.40	0.40	0.50	0.70	1.10	1.20	0.40	1.00	1.00	2.90	0.10
Our ref	24789	24784	24786	24787	24788	24793	24628	24630	24631	24631	24805
Stone Content (%)	<1	24	40	<1	<1	<1	<1	26	18	<1	19
Arsenic** (mg/kg)	10.1	14.8	11.2	13.5	13.9	9.6	6.3	15.1	13.2	10.5	10.5
Cadmium** (mg/kg)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.9
Chromium** (mg/kg)	40	23	16	26	29	28	16	25	42	27	27
Lead** (mg/kg)	29	36	23	89	14	15	36	27	33	92	92
Mercury** (mg/kg)	<0.5	0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.8
Nickel** (mg/kg)	36	11	7	19	16	17	13	29	45	17	17
Copper** (mg/kg)	28	14	8	30	17	18	16	26	32	78	78
Zinc** (mg/kg)	91	51	63	139	57	50	69	145	121	128	128
Selenium** (mg/kg)	<1	<1	<1	1.0	<1	<1	<1	<1	<1	<1	<1
Hexavalent Chromium (mg/kg)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
pH Value** (Units)	6.9	10.3	11.0	8.0	7.7	6.6	9.7	8.4	7.8	7.9	7.9
Total Sulphate (% as SO <sub>4</sub> )	0.19	0.24	0.21	0.20	0.16	0.18	0.14	0.19	0.20	0.20	0.20
Total Chloride (%)	<0.01	0.02	<0.01	0.02	<0.01	<0.01	0.03	0.01	<0.01	<0.01	<0.01
Free Cyanide (mg/kg)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Complex Cyanide (mg/kg)	<5	<5	<5	<5	<5	<5	<5	13.5	<5	<5	<5
Sulphide (mg/kg)	2.6	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Monohydric Phenols*** (mg/kg)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	28.3
Total Organic Carbon (%)	0.2	0.5	0.3	5.2	0.3	0.1	0.4	4.4	0.2	1.9	1.9

\*\* - MCERTS accredited test      \*\*\* - Sum of Phenol, 2, 3, 5,-Trimethylphenol, 2, 3,-Dimethylphenol, 3, 4-Dimethylphenol, Resorcinol/Catechol, o-Cresol, m, p-Cresol & Naphthol

\* - UKAS accredited test      All results expressed on dry weight basis

Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55220B**

Location: Paddock Wood, Former Halls SITE



Your Job No: LP00762  
 Your Order No: LPO 2481  
 Reporting Date: 15/10/14

F.A.O. Darren Beasley  
 Leap Environmental Ltd.  
 The Atrium, Curtis Road  
 Dorking, Surrey  
 RH4 1XA

	Characteristic	Sandy Silt Loam	Silt Loam	Silt Loam	Silty Clay Loam	Silt Loam	Silt Loam	Sandy Silt Loam	Silt Loam	Silt Loam	Silt Loam
<b>Soils</b>	Date Sampled	---	---	---	---	---	---	---	---	---	---
	TP/BH	WS124	WS124	WS125	WS127	WS128a	WS128c	WS128a	WS129	WS167	WS167
	Depth (m)	0.40	0.90	0.50	1.00	0.10	0.10	0.30	0.30	0.20	2.00
	Our ref	24807	24809	24810	24816a	24819	24820	24821	24824	24828	24829
	Stone Content (%)	23	<1	<1	<1	20	38	27	12	<1	<1
	Arsenic** (mg/kg)	13.3	11.8	12.5	8.8	11.5	15.2	11.3	12.3	15.0	10.4
	Cadmium** (mg/kg)	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	0.6	0.7	<0.5
	Chromium** (mg/kg)	20	28	26	42	20	14	17	23	29	25
	Lead** (mg/kg)	53	91	59	45	201	201	138	58	79	47
	Mercury** (mg/kg)	1.0	0.7	<0.5	<0.5	2.7	2.2	1.0	3.3	3.1	4.1
	Nickel** (mg/kg)	18	20	21	16	15	12	14	16	25	16
	Copper** (mg/kg)	23	25	24	28	40	37	31	27	33	24
	Zinc** (mg/kg)	122	105	108	71	186	132	110	94	120	87
	Selenium** (mg/kg)	<1	<1	<1	1.0	1.0	<1	<1	<1	<1	<1
	Hexavalent Chromium (mg/kg)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	pH Value** (Units)	9.4	7.6	7.9	7.0	7.4	7.8	8.6	7.7	7.9	7.7
	Total Sulphate (% as SO <sub>4</sub> )	0.26	0.22	0.21	0.22	0.18	0.15	0.18	0.21	0.21	0.21
	Total Chloride (%)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
	Free Cyanide (mg/kg)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	Complex Cyanide (mg/kg)	<5	<5	8.1	<5	<5	<5	<5	<5	<5	<5
	Sulphide (mg/kg)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	Total Monohydric Phenols*** (mg/kg)	54.5	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Total Organic Carbon (%)	1.3	0.8	0.8	1.1	1.5	1.2	0.8	1.0	0.9	0.2

\*\* - MCERTS accredited test      \*\*\* - Sum of Phenol, 2, 3, 5-Trimethylphenol, 2, 3-Dimethylphenol, 3, 4-Dimethylphenol, Resorcinol/Catechol, o-Cresol, m, p-Cresol & Naphthol

\* - UKAS accredited test      All results expressed on dry weight basis

Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55220B**

Location: Paddock Wood, Former Halls SITE



Your Job No: LP00762  
 Your Order No: LPO 2481  
 Reporting Date: 15/10/14

**F.A.O. Darren Beasley**  
**Leap Environmental Ltd.**  
**The Atrium, Curtis Road**  
**Dorking, Surrey**  
**RH4 1XA**

	Characteristic	Silt Loam	Silt Loam
<b>Soils</b>	Date Sampled	---	---
	TP/BH	WS102	WS127
	Depth (m)	0.50	1.00
	Our ref	24507b	24816b
Stone Content	(%)	6	<1
Arsenic**	(mg/kg)	10.4	10.5
Cadmium**	(mg/kg)	<0.5	<0.5
Chromium**	(mg/kg)	21	47
Lead**	(mg/kg)	38	56
Mercury**	(mg/kg)	<0.5	<0.5
Nickel**	(mg/kg)	16	20
Copper**	(mg/kg)	18	33
Zinc**	(mg/kg)	90	86
Selenium**	(mg/kg)	<1	<1
Hexavalent Chromium	(mg/kg)	<2	<2
pH Value**	(Units)	8.4	7.0
Total Sulphate	(% as SO <sub>4</sub> )	0.17	0.21
Total Chloride	(%)	<0.01	<0.01
Free Cyanide	(mg/kg)	<5	<5
Complex Cyanide	(mg/kg)	<5	<5
Sulphide	(mg/kg)	<2	<2
Total Monohydric Phenols***	(mg/kg)	<1	<1
Total Organic Carbon	(%)	1.7	1.4

\*\* - MCERTS accredited test

\*\*\* - Sum of Phenol, 2, 3, 5, Trimethylphenol, 2, 3, Dimethylphenol, 3, 4-Dimethylphenol, Resorcinol/Catechol, o-Cresol, m, p-Cresol & Naphthol

\* - UKAS accredited test

All results expressed on dry weight basis

Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55220B**

Location: Paddock Wood, Former Halls SITE



Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 15/10/14

F.A.O. Darren Beasley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Characteristic	Silt Loam	Silty Clay Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silty Clay Loam	Silt Loam	Sand
<b>Soils</b>							26/06/14				
Date Sampled	--	--	--	--	--	--	26/06/14	--	--	--	--
TP/BH	WS101	WS101	WS102	WS102	WS102	WS102	WS103	WS103	WS103	WS104	WS104
Depth (m)	0.30	1.10	0.50	0.70	1.30	0.15	0.40	0.90	0.40	0.40	1.00
Our ref	24502	24505	24507a	24508	24510	24594	24512	24513	24516	24516	24519
Naphthalene**	(mg/kg)	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	0.1	1.0	<0.1	0.3
Acenaphthylene**	(mg/kg)	0.2	<0.1	<0.1	0.2	<0.1	<0.1	0.3	0.5	0.2	0.5
Acenaphthene**	(mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	0.4
Fluorene**	(mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	0.5
Phenanthrene**	(mg/kg)	0.9	<0.1	0.2	0.8	<0.1	0.2	1.9	1.2	0.9	3.4
Anthracene**	(mg/kg)	0.3	<0.1	<0.1	0.2	<0.1	<0.1	0.7	0.4	0.3	1.2
Fluoranthene**	(mg/kg)	3.1	<0.1	0.7	2.1	<0.1	0.8	7.5	2.5	2.5	6.2
Pyrene**	(mg/kg)	2.7	<0.1	0.6	1.8	<0.1	0.7	6.8	2.3	2.3	5.5
Benzo(a)anthracene**	(mg/kg)	1.6	<0.1	0.3	1.0	<0.1	0.5	4.8	1.1	1.3	2.2
Chrysene**	(mg/kg)	1.9	<0.1	0.4	1.3	<0.1	0.7	4.9	1.3	1.4	2.2
Benzo(b)fluoranthene**	(mg/kg)	1.3	<0.1	0.3	0.9	<0.1	0.4	3.6	1.0	1.2	1.5
Benzo(k)fluoranthene**	(mg/kg)	1.9	<0.1	0.4	1.2	<0.1	0.8	4.3	1.2	1.4	1.7
Benzo(a)pyrene**	(mg/kg)	2.1	<0.1	0.4	1.2	<0.1	0.7	5.1	1.4	1.6	2.3
Indeno(123-cd)pyrene**	(mg/kg)	1.0	<0.1	0.2	0.6	<0.1	0.4	2.6	0.7	0.9	1.1
Dibenz(ah)anthracene**	(mg/kg)	0.3	<0.1	<0.1	0.2	<0.1	0.1	0.8	0.2	0.3	0.3
Benzo(ghi)perylene**	(mg/kg)	1.3	<0.1	0.3	0.7	<0.1	0.5	3.0	0.8	1.1	1.3
Total PAH**	(mg/kg)	18.3	<0.1	3.8	12.3	<0.1	5.9	46.3	15.8	15.3	30.8

All results expressed on dry weight basis

\*\* - MCERTS accredited test

Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

ANALYTICAL REPORT No. 55220B

Location: Paddock Wood, Former Halls SITE



Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 15/10/14

F.A.O. Darren Beasley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Characteristic	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam
<b>Soils</b>											
Date Sampled	--	--	--	--	26/06/14	26/06/14	26/06/14	26/06/14	26/06/14	26/06/14	26/06/14
TP/BH	WS105	WS106	WS107	WS107b	WS108	WS108	WS109	WS109	WS109	WS110	WS110
Depth (m)	0.10	0.50	0.20	0.20	0.10	0.30	0.30	0.60	0.60	0.40	0.70
Our ref	24520	24526	24531	24537	24596	24597	24604	24605	24605	24608	24609
Naphthalene**	(mg/kg) 0.1	0.1	0.2	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	0.5
Acenaphthylene**	(mg/kg) 0.3	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.6	2.4
Acenaphthene**	(mg/kg) <0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	0.7
Fluorene**	(mg/kg) <0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	0.6
Phenanthrene**	(mg/kg) 0.7	0.4	1.3	0.6	0.6	0.7	0.4	0.2	0.2	6.6	5.8
Anthracene**	(mg/kg) 0.3	0.2	0.4	0.2	0.2	0.2	0.2	0.1	0.1	2.3	3.0
Fluoranthene**	(mg/kg) 3.4	1.5	4.1	2.5	1.8	1.5	1.5	0.6	0.6	21.7	15.3
Pyrene**	(mg/kg) 3.1	1.3	3.6	2.2	1.5	1.3	1.4	0.6	0.6	19.2	13.9
Benzo(a)anthracene**	(mg/kg) 2.2	0.9	2.4	1.5	1.0	0.6	0.8	0.5	0.5	12.9	8.5
Chrysene**	(mg/kg) 2.1	1.0	2.5	1.6	1.0	0.9	1.0	0.6	0.6	12.0	8.1
Benzo(b)fluoranthene**	(mg/kg) 2.0	0.9	2.0	1.5	0.9	0.5	0.7	0.4	0.4	10.2	10.1
Benzo(k)fluoranthene**	(mg/kg) 2.2	0.9	2.2	1.5	1.0	0.8	1.0	0.6	0.6	10.6	8.3
Benzo(a)pyrene**	(mg/kg) 2.7	1.1	2.7	1.8	1.2	0.9	1.1	0.5	0.5	13.4	12.7
Indeno(123-cd)pyrene**	(mg/kg) 1.5	0.6	1.4	1.0	0.7	0.4	0.5	0.2	0.2	7.2	7.2
Dibenz(ah)anthracene**	(mg/kg) 0.5	0.2	0.5	0.3	0.2	0.2	<0.1	0.2	<0.1	2.7	2.7
Benzo(ghi)perylene**	(mg/kg) 1.7	0.8	1.7	1.2	0.9	0.6	0.7	0.3	0.3	8.5	8.2
Total PAH**	(mg/kg) 22.7	10.2	25.2	16.4	11.2	8.6	9.5	4.9	4.9	128.7	108.0

All results expressed on dry weight basis

\*\* - MCERTS accredited test

Stuart Ballard





# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55220B**

Location: Paddock Wood, Former Halls SITE



Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 15/10/14

F.A.O. Darren Beasley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

	Characteristic	Silt Loam	Silt Loam	Sandy Silt Loam	Sand	Sandy Silt Loam	Silty Clay loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam
<b>Soils</b>	Date Sampled	26/06/14	26/06/14	26/06/14	27/06/14	26/06/14	27/06/14	27/06/14	27/06/14	27/06/14	27/06/14
	TP/BH	WS110	WS111	WS111	WS112	WS114	WS115	WS116	WS116	WS117	WS117
	Depth (m)	2.00	0.50	1.50	0.60	0.40	0.90	0.80	0.20	0.50	0.10
	Our ref	24611	24613	24615	24766	24621	24770	24776	24773	24780	24778
	Naphthalene**	(mg/kg) <0.1	0.2	0.2	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
	Acenaphthylene**	(mg/kg) <0.1	0.4	28.9	0.2	0.2	0.7	<0.1	<0.1	<0.1	<0.1
	Acenaphthene**	(mg/kg) <0.1	<0.1	37.0	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	Fluorene**	(mg/kg) <0.1	0.1	54.2	0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1
	Phenanthrene**	(mg/kg) <0.1	1.3	199.4	0.9	1.0	0.5	<0.1	<0.1	0.2	<0.1
	Anthracene**	(mg/kg) <0.1	0.6	36.0	0.3	0.3	2.2	<0.1	<0.1	<0.1	<0.1
	Fluoranthene**	(mg/kg) 0.1	5.0	45.7	1.6	2.2	1.7	<0.1	0.2	0.5	<0.1
	Pyrene**	(mg/kg) 0.1	4.6	59.4	1.3	1.9	1.8	<0.1	0.2	0.5	<0.1
	Benzo(a)anthracene**	(mg/kg) <0.1	2.6	1.9	0.7	1.3	1.1	<0.1	0.1	0.3	<0.1
	Chrysene**	(mg/kg) <0.1	2.5	13.2	0.7	1.3	1.1	<0.1	0.2	0.4	<0.1
	Benzo(b)fluoranthene**	(mg/kg) 0.1	2.2	4.9	0.6	1.2	0.8	<0.1	0.1	0.2	<0.1
	Benzo(k)fluoranthene**	(mg/kg) 0.1	2.3	6.8	0.6	1.3	0.9	<0.1	0.2	0.4	<0.1
	Benzo(a)pyrene**	(mg/kg) 0.1	3.0	13.4	0.8	1.6	1.3	<0.1	0.2	0.4	<0.1
	Indeno(123-cd)pyrene**	(mg/kg) <0.1	1.5	4.0	0.4	0.9	0.5	<0.1	<0.1	0.2	<0.1
	Dibenz(ah)anthracene**	(mg/kg) <0.1	0.5	1.3	0.2	0.3	0.1	<0.1	<0.1	<0.1	<0.1
	Benzo(ghi)perylene**	(mg/kg) <0.1	1.8	3.6	0.5	1.1	0.6	<0.1	0.1	0.3	<0.1
	Total PAH**	(mg/kg) 0.6	28.5	509.9	8.9	14.5	13.5	<0.1	1.4	3.3	<0.1

All results expressed on dry weight basis

\*\* - MCERTS accredited test

Stuart Ballard



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Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55220B**

Location: Paddock Wood, Former Halls SITE



Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 15/10/14

F.A.O. Darren Beasley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Characteristic	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silty Clay loam	Sandy Silt Loam	Silty Clay Loam	Silty Clay Loam	Silt Loam
<b>Soils</b>										
Date Sampled	27/06/14	27/06/14	27/06/14	27/06/14	27/06/14	27/06/14	26/06/14	26/06/14	26/06/14	--
TP/BH	WS118	WS118	WS118	WS118	WS118	WS119	WS166	WS166	WS166	WS124
Depth (m)	2.40	0.40	0.50	0.70	1.10	1.20	0.40	1.00	2.90	0.10
Our ref	24789	24784	24786	24787	24788	24793	24628	24630	24631	24805
Naphthalene**	(mg/kg) <0.1	<0.1	<0.1	1.0	<0.1	<0.1	<0.1	2.3	<0.1	<0.1
Acenaphthylene**	(mg/kg) <0.1	<0.1	<0.1	1.2	<0.1	<0.1	<0.1	0.6	<0.1	<0.1
Acenaphthene**	(mg/kg) <0.1	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	7.8	<0.1	<0.1
Fluorene**	(mg/kg) <0.1	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	5.7	<0.1	<0.1
Phenanthrene**	(mg/kg) <0.1	<0.1	0.1	9.9	<0.1	<0.1	0.6	10.5	<0.1	0.5
Anthracene**	(mg/kg) <0.1	<0.1	<0.1	2.3	<0.1	<0.1	0.1	10.5	<0.1	0.2
Fluoranthene**	(mg/kg) <0.1	<0.1	0.2	20.4	<0.1	<0.1	1.1	3.1	<0.1	2.2
Pyrene**	(mg/kg) <0.1	<0.1	0.1	16.3	<0.1	<0.1	0.9	3.6	<0.1	2.0
Benzo(a)anthracene**	(mg/kg) <0.1	<0.1	<0.1	8.0	<0.1	<0.1	0.5	1.1	<0.1	1.2
Chrysene**	(mg/kg) <0.1	<0.1	<0.1	8.7	<0.1	<0.1	0.5	1.1	<0.1	1.3
Benzo(b)fluoranthene**	(mg/kg) <0.1	<0.1	<0.1	6.7	<0.1	<0.1	0.4	0.4	<0.1	1.1
Benzo(k)fluoranthene**	(mg/kg) <0.1	<0.1	<0.1	6.6	<0.1	<0.1	0.4	0.6	<0.1	1.2
Benzo(a)pyrene**	(mg/kg) <0.1	<0.1	<0.1	7.8	<0.1	<0.1	0.5	0.8	<0.1	1.4
Indeno(123-cd)pyrene**	(mg/kg) <0.1	<0.1	<0.1	4.2	<0.1	<0.1	0.2	0.3	<0.1	0.7
Dibenz(ah)anthracene**	(mg/kg) <0.1	<0.1	<0.1	1.2	<0.1	<0.1	<0.1	<0.1	<0.1	0.2
Benzo(ghi)perylene**	(mg/kg) <0.1	<0.1	<0.1	4.8	<0.1	<0.1	0.3	0.3	<0.1	1.0
Total PAH**	(mg/kg) <0.1	<0.1	0.4	99.9	<0.1	<0.1	5.6	48.7	<0.1	13.0

All results expressed on dry weight basis

\*\* - MCERTS accredited test

Stuart Ballard



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Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55220B**

Location: Paddock Wood, Former Halls SITE



Your Job No: LP00762  
 Your Order No: LPO 2481  
 Reporting Date: 15/10/14

F.A.O. Darren Beasley  
 Leap Environmental Ltd.  
 The Atrium, Curtis Road  
 Dorking, Surrey  
 RH4 1XA

	Characteristic	Sandy Silt Loam	Silt Loam	Silt Loam	Silty Clay Loam	Silt Loam	Silt Loam	Sandy Silt Loam	Silt Loam	Silt Loam	Silt Loam
<b>Soils</b>	Date Sampled	--	--	--	--	--	--	--	--	--	--
	TP/BH	WS124	WS124	WS125	WS127	WS128a	WS128c	WS128a	WS129	WS167	WS167
	Depth (m)	0.40	0.90	0.50	1.00	0.10	0.10	0.30	0.30	0.20	2.00
	Our ref	24807	24809	24810	24816a	24819	24820	24821	24824	24828	24829
	Naphthalene**	(mg/kg) 0.2	0.2	0.8	<0.1	<0.1	<0.1	0.2	0.1	<0.1	<0.1
	Acenaphthylene**	(mg/kg) 0.5	0.5	0.9	<0.1	<0.1	<0.1	0.1	0.1	<0.1	<0.1
	Acenaphthene**	(mg/kg) 0.1	0.3	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	Fluorene**	(mg/kg) 0.2	0.3	0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	Phenanthrene**	(mg/kg) 3.8	3.1	2.3	<0.1	0.6	0.4	0.5	0.8	<0.1	<0.1
	Anthracene**	(mg/kg) 1.4	1.1	0.9	<0.1	0.1	<0.1	0.2	0.2	<0.1	<0.1
	Fluoranthene**	(mg/kg) 9.9	9.5	6.9	<0.1	2.1	1.0	1.5	2.0	<0.1	<0.1
	Pyrene**	(mg/kg) 8.6	8.9	6.1	<0.1	1.8	0.9	1.3	1.7	<0.1	<0.1
	Benzo(a)anthracene**	(mg/kg) 5.7	4.8	3.3	<0.1	0.8	0.5	0.7	0.9	<0.1	<0.1
	Chrysene**	(mg/kg) 5.9	4.7	4.1	<0.1	1.0	0.6	0.9	1.1	<0.1	<0.1
	Benzo(b)fluoranthene**	(mg/kg) 5.0	4.8	3.2	<0.1	0.7	0.5	0.6	0.9	<0.1	<0.1
	Benzo(k)fluoranthene**	(mg/kg) 5.4	5.3	3.6	<0.1	0.8	0.6	0.7	1.0	<0.1	<0.1
	Benzo(a)pyrene**	(mg/kg) 6.8	6.5	4.1	<0.1	0.9	0.6	0.8	1.2	<0.1	<0.1
	Indeno(123-cd)pyrene**	(mg/kg) 3.5	<0.1	2.3	<0.1	0.4	0.3	0.4	0.6	<0.1	<0.1
	Dibenz(ah)anthracene**	(mg/kg) 1.0	0.9	0.6	<0.1	0.1	<0.1	0.1	0.2	<0.1	<0.1
	Benzo(ghi)perylene**	(mg/kg) 4.2	4.6	2.9	<0.1	0.6	0.4	0.5	0.7	<0.1	<0.1
	Total PAH**	(mg/kg) 62.1	55.5	42.3	<0.1	10.0	5.9	8.6	11.5	<0.1	<0.1

All results expressed on dry weight basis

\*\* - MCERTS accredited test

Stuart Ballard



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Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55220B**

Location: Paddock Wood, Former Halls SITE



Your Job No: LP00762  
 Your Order No: LPO 2481  
 Reporting Date: 15/10/14

F.A.O. Darren Beasley  
 Leap Environmental Ltd.  
 The Atrium, Curtis Road  
 Dorking, Surrey  
 RH4 1XA

	Characteristic	Silt Loam	Silt Loam
<b>Soils</b>	Date Sampled	--	--
	TP/BH	WS102	WS127
	Depth (m)	0.50	1.00
	Our ref	24507b	24816b
Naphthalene**	(mg/kg)	<0.1	<0.1
Acenaphthylene**	(mg/kg)	<0.1	<0.1
Acenaphthene**	(mg/kg)	<0.1	<0.1
Fluorene**	(mg/kg)	<0.1	<0.1
Phenanthrene**	(mg/kg)	0.2	<0.1
Anthracene**	(mg/kg)	<0.1	<0.1
Fluoranthene**	(mg/kg)	0.6	<0.1
Pyrene**	(mg/kg)	0.5	<0.1
Benz(a)anthracene**	(mg/kg)	0.3	<0.1
Chrysene**	(mg/kg)	0.4	<0.1
Benzo(b)fluoranthene**	(mg/kg)	0.2	<0.1
Benzo(k)fluoranthene**	(mg/kg)	0.4	<0.1
Benzo(a)pyrene**	(mg/kg)	0.4	<0.1
Indeno(123-cd)pyrene**	(mg/kg)	0.2	<0.1
Dibenz(ah)anthracene**	(mg/kg)	<0.1	<0.1
Benzo(ghi)perylene**	(mg/kg)	0.2	<0.1
Total PAH**	(mg/kg)	3.5	<0.1

All results expressed on dry weight basis

\*\* - MCERTS accredited test

Stuart Ballard



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# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55220B

Location: Paddock Wood, Former Halls SITE



Your Job No: LP00762  
 Your Order No: LPO 2481  
 Reporting Date: 15/10/14

F.A.O. Darren Beasley  
 Leap Environmental Ltd.  
 The Atrium, Curtis Road  
 Dorking, Surrey  
 RH4 1XA

### TPH CWG - Soil

Characteristic	Silty Clay Loam	Silt Loam	Silty Clay Loam	Silt Loam	Sandy Silt Loam	Silty Clay loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam
Date Sampled	---	---	---	---	---	---	---	---	---	26/06/14
TP/BH	WS101	WS102	WS102	WS104	WS1105	WS105	WS07b	WS107	WS107	WS108
Depth (m)	0.40	0.40	2.70	0.30	0.80	2.80	0.30	0.30	0.70	0.50
Our ref	24503	24506	24511	24515	24522	24524	24538	24532	24534	24598
<b>Aromatic</b>										
>EC <sub>5</sub> -EC <sub>7</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>7</sub> -EC <sub>8</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub>	(mg/kg)	<0.1	<0.1	0.13	0.88	<0.1	0.14	0.14	0.28	0.34
>EC <sub>10</sub> -EC <sub>12</sub>	(mg/kg)	<0.1	<0.1	<0.1	0.10	<0.1	<0.1	<0.1	<0.1	<0.1
>EC <sub>12</sub> -EC <sub>16</sub>	(mg/kg)	<0.1	<0.1	<0.1	0.17	1.62	1.66	<0.1	0.11	<0.1
>EC <sub>16</sub> -EC <sub>21</sub>	(mg/kg)	<0.1	0.43	<0.1	1.66	8.14	2.47	1.81	1.67	0.69
>EC <sub>21</sub> -EC <sub>35</sub>	(mg/kg)	<0.1	3.97	<0.1	16.07	32.37	1.06	55.77	23.47	6.84
<b>Aliphatic</b>										
>EC <sub>5</sub> -EC <sub>6</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>6</sub> -EC <sub>8</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub>	(mg/kg)	<0.1	<0.1	0.20	0.10	<0.1	0.36	0.11	0.25	0.35
>EC <sub>10</sub> -EC <sub>12</sub>	(mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
>EC <sub>12</sub> -EC <sub>16</sub>	(mg/kg)	<0.1	<0.1	<0.1	<0.1	1.67	0.58	0.22	0.25	0.11
>EC <sub>16</sub> -EC <sub>21</sub>	(mg/kg)	<0.1	0.10	<0.1	0.25	4.02	0.82	1.10	1.02	0.33
>EC <sub>21</sub> -EC <sub>35</sub>	(mg/kg)	<0.1	0.35	<0.1	1.66	11.34	<0.1	23.19	9.12	0.62
TPH (C <sub>5</sub> - C <sub>35</sub> )	(mg/kg)	<0.1	5	0	21	59	7	82	36	9
Benzene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10
Toluene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10
Ethyl Benzene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10
Xylenes**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10
MTBE	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10

All results expressed on dry weight basis

\*\* - MCERTS accredited test

Stuart Ballard



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# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55220B

Location: Paddock Wood, Former Halls SITE



Your Job No: LP00762  
 Your Order No: LPO 2481  
 Reporting Date: 15/10/14

F.A.O. Darren Beasley  
 Leap Environmental Ltd.  
 The Atrium, Curtis Road  
 Dorking, Surrey  
 RH4 1XA

### TPH CWG - Soil

Characteristic	Silty Clay Loam	Sandy Silt Loam	Silty Clay Loam	Sandy Silt Loam	Silt Loam	Silt Loam	Sandy Silt Loam	Silt Loam	Silt Loam	Silt Loam
Date Sampled	26/06/14	26/06/14	26/06/14	26/06/14	26/06/14	26/06/14	27/06/14	27/06/14	27/06/14	27/06/14
TP/BH	WS108	WS110	WS111	WS111	WS113	WS114	WS117	WS117	WS118	WS118
Depth (m)	1.20	0.30	0.90	1.50	0.40	0.50	0.40	0.90	0.40	0.70
Our ref	24601	24607	24614	24615	24619	24622	24779	24781	24784	24787
<b>Aromatic</b>										
>EC <sub>5</sub> -EC <sub>7</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>7</sub> -EC <sub>8</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub>	(mg/kg)	0.29	0.32	2.82	2.25	1.78	2.80	1.31	2.53	2.70
>EC <sub>10</sub> -EC <sub>12</sub>	(mg/kg)	<0.1	0.15	0.57	0.20	0.19	0.27	0.12	10.00	0.27
>EC <sub>12</sub> -EC <sub>16</sub>	(mg/kg)	0.38	0.18	10.25	0.24	0.17	0.28	<0.1	97.00	0.14
>EC <sub>16</sub> -EC <sub>21</sub>	(mg/kg)	1.14	1.70	11.92	0.23	0.56	1.43	0.49	99.80	<0.1
>EC <sub>21</sub> -EC <sub>35</sub>	(mg/kg)	4.40	1.86	6.87	<0.1	8.10	25.72	12.96	31.65	1.23
<b>Aliphatic</b>										
>EC <sub>5</sub> -EC <sub>6</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>6</sub> -EC <sub>8</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub>	(mg/kg)	0.17	0.44	0.59	0.45	0.73	0.83	0.54	1.72	0.57
>EC <sub>10</sub> -EC <sub>12</sub>	(mg/kg)	<0.1	<0.1	0.29	<0.1	<0.1	<0.1	<0.1	11.35	<0.1
>EC <sub>12</sub> -EC <sub>16</sub>	(mg/kg)	0.26	0.18	5.02	<0.1	<0.1	0.30	0.16	82.17	<0.1
>EC <sub>16</sub> -EC <sub>21</sub>	(mg/kg)	0.54	0.35	3.67	<0.1	0.14	1.08	0.56	73.45	<0.1
>EC <sub>21</sub> -EC <sub>35</sub>	(mg/kg)	3.47	2.24	0.46	<0.1	2.43	13.66	3.55	18.23	<0.1
TPH (C <sub>5</sub> - C <sub>35</sub> )	(mg/kg)	11	7	42	3	14	46	20	428	5
Benzene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10
Toluene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10
Ethyl Benzene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10
Xylenes**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10
MTBE	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10

All results expressed on dry weight basis

\*\* - MCERTS accredited test

Stuart Ballard



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# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55220B**

Location: Paddock Wood, Former Halls SITE



Your Job No: LP00762  
 Your Order No: LPO 2481  
 Reporting Date: 15/10/14

F.A.O. Darren Beasley  
 Leap Environmental Ltd.  
 The Atrium, Curtis Road  
 Dorking, Surrey  
 RH4 1XA

**TPH CWG - Soil**

Characteristic	Silt Loam	Silt Loam	Silt Loam	Sandy Silt Loam	Silty Clay Loam	Silty Clay Loam	Silty Clay Loam	Silt Loam	Silty Clay Loam	Sandy Silt Loam
Date Sampled	27/06/14	27/06/14	26/06/14	--	--	--	--	--	--	--
TP/BH	WS119	WS163	WS166	WS124	WS125	WS125	WS125	WS127	WS127	WS128a
Depth (m)	0.50	0.50	0.60	0.40	1.10	1.90	2.50	0.60	1.50	0.60
Our ref	24792	24798	24629	24807	24812	24813	24814	24815	24818	24823
<b>Aromatic</b>										
>EC <sub>5</sub> -EC <sub>7</sub> (mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>7</sub> -EC <sub>8</sub> (mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub> (mg/kg)	1.41	1.48	0.87	0.84	1.83	1.61	1.82	0.80	0.82	0.30
>EC <sub>10</sub> -EC <sub>12</sub> (mg/kg)	0.16	0.15	<0.1	<0.1	13.60	11.87	0.17	<0.1	<0.1	<0.1
>EC <sub>12</sub> -EC <sub>16</sub> (mg/kg)	<0.1	<0.1	0.55	0.70	117.05	70.50	0.19	0.15	0.12	1.22
>EC <sub>16</sub> -EC <sub>21</sub> (mg/kg)	1.12	0.39	2.40	12.50	127.03	73.04	0.17	0.74	0.17	5.98
>EC <sub>21</sub> -EC <sub>35</sub> (mg/kg)	19.54	4.24	15.46	34.96	70.99	41.39	<0.1	7.46	<0.1	23.80
<b>Aliphatic</b>										
>EC <sub>5</sub> -EC <sub>6</sub> (mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>6</sub> -EC <sub>8</sub> (mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub> (mg/kg)	0.54	0.97	0.49	0.46	0.83	0.53	0.43	0.58	0.54	0.53
>EC <sub>10</sub> -EC <sub>12</sub> (mg/kg)	0.12	0.14	<0.1	<0.1	4.89	11.44	<0.1	<0.1	<0.1	<0.1
>EC <sub>12</sub> -EC <sub>16</sub> (mg/kg)	0.41	0.24	0.40	0.79	31.13	31.78	<0.1	<0.1	<0.1	0.89
>EC <sub>16</sub> -EC <sub>21</sub> (mg/kg)	2.03	0.38	1.62	15.30	20.02	21.82	<0.1	0.15	<0.1	3.60
>EC <sub>21</sub> -EC <sub>35</sub> (mg/kg)	7.24	1.35	6.14	13.82	7.28	9.11	<0.1	2.19	<0.1	17.69
TPH (C <sub>5</sub> - C <sub>35</sub> ) (mg/kg)	33	9	28	79	395	273	3	12	2	54
Benzene** (µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Toluene** (µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Ethyl Benzene** (µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Xylenes** (µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MTBE (µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

All results expressed on dry weight basis

\*\* - MCERTS accredited test

Stuart Ballard



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# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55220B**

Location: Paddock Wood, Former Halls SITE



Your Job No: LP00762  
 Your Order No: LPO 2481  
 Reporting Date: 15/10/14

F.A.O. Darren Beasley  
 Leap Environmental Ltd.  
 The Atrium, Curtis Road  
 Dorking, Surrey  
 RH4 1XA

**TPH CWG - Soil**

Characteristic	Silty Clay Loam	Silty Clay Loam	Silty Clay Loam	Silt Loam	Silty Clay Loam
Date Sampled	---	---	---	---	---
TP/BH	WS129	WS129	WS129	WS167	WS167
Depth (m)	1.50	2.50	3.00	2.00	1.00
Our ref	24825	24826	24827	24829	24830
<b>Aromatic</b>					
>EC <sub>5</sub> -EC <sub>7</sub> (mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>7</sub> -EC <sub>8</sub> (mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub> (mg/kg)	0.6	0.5	1.6	<0.1	0.8
>EC <sub>10</sub> -EC <sub>12</sub> (mg/kg)	1.3	<0.1	0.2	<0.1	0.2
>EC <sub>12</sub> -EC <sub>16</sub> (mg/kg)	46.5	0.8	0.4	<0.1	1.0
>EC <sub>16</sub> -EC <sub>21</sub> (mg/kg)	57.2	1.2	0.6	<0.1	2.0
>EC <sub>21</sub> -EC <sub>35</sub> (mg/kg)	32.9	<0.1	<0.1	31.2	5.1
<b>Aliphatic</b>					
>EC <sub>5</sub> -EC <sub>6</sub> (mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>6</sub> -EC <sub>8</sub> (mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub> (mg/kg)	1.4	1.1	3.5	<0.1	1.1
>EC <sub>10</sub> -EC <sub>12</sub> (mg/kg)	0.5	0.1	0.5	<0.1	0.5
>EC <sub>12</sub> -EC <sub>16</sub> (mg/kg)	8.1	0.2	0.5	<0.1	0.7
>EC <sub>16</sub> -EC <sub>21</sub> (mg/kg)	5.0	<0.1	<0.1	<0.1	1.2
>EC <sub>21</sub> -EC <sub>35</sub> (mg/kg)	<0.1	<0.1	<0.1	85.3	8.4
TPH (C <sub>5</sub> - C <sub>35</sub> ) (mg/kg)	154	4	7	116	21
Benzene** (µg/kg)	<10	<10	<10	<10	<10
Toluene** (µg/kg)	<10	<10	<10	<10	<10
Ethyl Benzene** (µg/kg)	<10	<10	<10	<10	<10
Xylenes** (µg/kg)	<10	<10	<10	<10	<10
MTBE (µg/kg)	<10	<10	<10	<10	<10

All results expressed on dry weight basis

\*\* - MCERTS accredited test

Stuart Ballard





# THE ENVIRONMENTAL LABORATORY LTD

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Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55220B**

Location: Paddock Wood, Former Halls SITE



F.A.O. Darren Beasley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 15/10/14

## Asbestos Identification

Sample ref: **WS101**  
Depth (m) **0.25**  
Our ref: **24501**  
#Description of Sample Matrix: Plaster Insulation Board  
\*Result: No asbestos identified

Sample ref: **WS101**  
Depth (m) **0.30**  
Our ref: **24502**  
#Description of Sample Matrix: Silt Loam  
\*Result: No asbestos identified

Sample ref: **WS101**  
Depth (m) **1.10**  
Our ref: **24505**  
#Description of Sample Matrix: Silty Clay Loam  
\*Result: No asbestos identified

Sample ref: **WS102**  
Depth (m) **0.50**  
Our ref: **24507a**  
#Description of Sample Matrix: Silt Loam  
\*Result: Amosite (Brown Asbestos)

Sample ref: **WS102**  
Depth (m) **0.70**  
Our ref: **24508**  
#Description of Sample Matrix: Silt Loam  
\*Result: Chrysotile (White Asbestos)

Sample ref: **WS102**  
Depth (m) **1.30**  
Our ref: **24510**  
#Description of Sample Matrix: Silt Loam  
\*Result: No asbestos identified

\*= UKAS accredited

Analytical result only applies to the sample as submitted by the client

Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client

Stuart Bennett



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**ANALYTICAL REPORT No. 55220B**

Location: Paddock Wood, Former Halls SITE



F.A.O. Darren Beasley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 15/10/14

## Asbestos Identification

Sample ref: **WS103**  
Depth (m) **0.15**  
Our ref: **24594**  
#Description of Sample Matrix: Silt Loam  
\*Result: No asbestos identified

Sample ref: **WS103**  
Depth (m) **0.40**  
Our ref: **24512**  
#Description of Sample Matrix: Silt Loam  
\*Result: Chrysotile (White Asbestos)

Sample ref: **WS103**  
Depth (m) **0.90**  
Our ref: **24513**  
#Description of Sample Matrix: Silty Clay Loam  
\*Result: No asbestos identified

Sample ref: **WS104**  
Depth (m) **0.40**  
Our ref: **24516**  
#Description of Sample Matrix: Silt Loam  
\*Result: Amosite (Brown Asbestos)

Sample ref: **WS104**  
Depth (m) **1.00**  
Our ref: **24519**  
#Description of Sample Matrix: Sand  
\*Result: Amosite (Brown Asbestos)  
Chrysotile (White Asbestos)  
Crocidolite (Blue Asbestos)

Sample ref: **WS105**  
Depth (m) **0.10**  
Our ref: **24520**  
#Description of Sample Matrix: Silt Loam  
\*Result: No asbestos identified

\*= UKAS accredited

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Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55220B**

Location: Paddock Wood, Former Halls SITE



F.A.O. Darren Beasley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 15/10/14

## Asbestos Identification

Sample ref: **WS106**  
Depth (m) **0.50**  
Our ref: **24526**  
#Description of Sample Matrix: Silt Loam  
\*Result: Chrysotile (White Asbestos)

Sample ref: **WS107**  
Depth (m) **0.20**  
Our ref: **24531**  
#Description of Sample Matrix: Silt Loam  
\*Result: No asbestos identified

Sample ref: **WS107b**  
Depth (m) **0.20**  
Our ref: **24537**  
#Description of Sample Matrix: Silt Loam  
\*Result: No asbestos identified

Sample ref: **WS108**  
Depth (m) **0.10**  
Our ref: **24596**  
#Description of Sample Matrix: Silt Loam  
\*Result: No asbestos identified

Sample ref: **WS108**  
Depth (m) **0.30**  
Our ref: **24597**  
#Description of Sample Matrix: Silt Loam  
\*Result: No asbestos identified

Sample ref: **WS109**  
Depth (m) **0.30**  
Our ref: **24604**  
#Description of Sample Matrix: Silt Loam  
\*Result: No asbestos identified

\*= UKAS accredited

Analytical result only applies to the sample as submitted by the client

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Stuart Bellard



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Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55220B**

Location: Paddock Wood, Former Halls SITE



F.A.O. Darren Beasley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 15/10/14

## Asbestos Identification

Sample ref:	<b>WS109</b>
Depth (m)	<b>0.60</b>
Our ref:	<b>24605</b>
#Description of Sample Matrix:	Silt Loam
*Result	Chrysotile (White Asbestos) Crocidolite (Blue Asbestos)

Sample ref:	<b>WS110</b>
Depth (m)	<b>0.40</b>
Our ref:	<b>24608</b>
#Description of Sample Matrix:	Silt Loam
*Result	No asbestos identified

Sample ref:	<b>WS110</b>
Depth (m)	<b>0.70</b>
Our ref:	<b>24609</b>
#Description of Sample Matrix:	Silt Loam
*Result	No asbestos identified

Sample ref:	<b>WS110</b>
Depth (m)	<b>2.00</b>
Our ref:	<b>24611</b>
#Description of Sample Matrix:	Silt Loam
*Result	No asbestos identified

Sample ref:	<b>WS111</b>
Depth (m)	<b>0.50</b>
Our ref:	<b>24613</b>
#Description of Sample Matrix:	Silt Loam
*Result	Chrysotile (White Asbestos)

Sample ref:	<b>WS111</b>
Depth (m)	<b>1.50</b>
Our ref:	<b>24615</b>
#Description of Sample Matrix:	Sandy Silt Loam
*Result	No asbestos identified

\*= UKAS accredited

Analytical result only applies to the sample as submitted by the client

Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client

Stuart Bellard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55220B**

Location: Paddock Wood, Former Halls SITE



F.A.O. Darren Beasley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 15/10/14

## Asbestos Identification

Sample ref: **WS112**  
Depth (m) **0.60**  
Our ref: **24766**  
#Description of Sample Matrix: Sand  
\*Result: No asbestos identified

Sample ref: **WS114**  
Depth (m) **0.40**  
Our ref: **24621**  
#Description of Sample Matrix: Sandy Silt Loam  
\*Result: Amosite (Brown Asbestos)

Sample ref: **WS115**  
Depth (m) **0.90**  
Our ref: **24770**  
#Description of Sample Matrix: Silty Clay loam  
\*Result: No asbestos identified

Sample ref: **WS116**  
Depth (m) **0.80**  
Our ref: **24776**  
#Description of Sample Matrix: Silt Loam  
\*Result: No asbestos identified

Sample ref: **WS116**  
Depth (m) **0.20**  
Our ref: **24773**  
#Description of Sample Matrix: Silt Loam  
\*Result: No asbestos identified

Sample ref: **WS117**  
Depth (m) **0.50**  
Our ref: **24780**  
#Description of Sample Matrix: Silt Loam  
\*Result: No asbestos identified

\*= UKAS accredited

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**ANALYTICAL REPORT No. 55220B**

Location: Paddock Wood, Former Halls SITE



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Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 15/10/14

## Asbestos Identification

Sample ref: **WS117**  
Depth (m) **0.10**  
Our ref: **24778**  
#Description of Sample Matrix: Silt Loam  
\*Result: No asbestos identified

Sample ref: **WS118**  
Depth (m) **2.40**  
Our ref: **24789**  
#Description of Sample Matrix: Silt Loam  
\*Result: No asbestos identified

Sample ref: **WS118**  
Depth (m) **0.40**  
Our ref: **24784**  
#Description of Sample Matrix: Silt Loam  
\*Result: Amosite (Brown Asbestos)

Sample ref: **WS118**  
Depth (m) **0.50**  
Our ref: **24786**  
#Description of Sample Matrix: Silt Loam  
\*Result: Amosite (Brown Asbestos)

Sample ref: **WS118**  
Depth (m) **0.70**  
Our ref: **24787**  
#Description of Sample Matrix: Silt Loam  
\*Result: No asbestos identified

Sample ref: **WS118**  
Depth (m) **1.10**  
Our ref: **24788**  
#Description of Sample Matrix: Silt Loam  
\*Result: No asbestos identified

\*= UKAS accredited

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**ANALYTICAL REPORT No. 55220B**

Location: Paddock Wood, Former Halls SITE



F.A.O. Darren Beasley  
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The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 15/10/14

## Asbestos Identification

Sample ref: **WS119**  
Depth (m) **1.20**  
Our ref: **24793**  
#Description of Sample Matrix: Silty Clay loam  
\*Result: No asbestos identified

Sample ref: **WS166**  
Depth (m) **0.40**  
Our ref: **24628**  
#Description of Sample Matrix: Sandy Silt Loam  
\*Result: Chrysotile (White Asbestos)

Sample ref: **WS166**  
Depth (m) **1.00**  
Our ref: **24630**  
#Description of Sample Matrix: Silty Clay Loam  
\*Result: No asbestos identified

Sample ref: **WS166**  
Depth (m) **2.90**  
Our ref: **24631**  
#Description of Sample Matrix: Silty Clay Loam  
\*Result: No asbestos identified

Sample ref: **WS124**  
Depth (m) **0.10**  
Our ref: **24805**  
#Description of Sample Matrix: Silt Loam  
\*Result: No asbestos identified

Sample ref: **WS124**  
Depth (m) **0.20**  
Our ref: **24806**  
#Description of Sample Matrix: Asbestos Cement  
\*Result: Chrysotile (White Asbestos)

\*= UKAS accredited

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Stuart Bellard



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Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55220B**

Location: Paddock Wood, Former Halls SITE



F.A.O. Darren Beasley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 15/10/14

## Asbestos Identification

Sample ref:	<b>WS124</b>
Depth (m)	<b>0.40</b>
Our ref:	<b>24807</b>
#Description of Sample Matrix:	Sandy Silt Loam
*Result	Chrysotile (White Asbestos) Amosite (Brown Asbestos)

Sample ref:	<b>WS124</b>
Depth (m)	<b>0.90</b>
Our ref:	<b>24809</b>
#Description of Sample Matrix:	Silt Loam
*Result	No asbestos identified

Sample ref:	<b>WS125</b>
Depth (m)	<b>0.50</b>
Our ref:	<b>24810</b>
#Description of Sample Matrix:	Silt Loam
*Result	Chrysotile (White Asbestos)

Sample ref:	<b>WS125</b>
Depth (m)	<b>0.80</b>
Our ref:	<b>24811</b>
#Description of Sample Matrix:	Clay Loam
*Result	No asbestos identified

Sample ref:	<b>WS127</b>
Depth (m)	<b>1.00</b>
Our ref:	<b>24816a</b>
#Description of Sample Matrix:	Silty Clay Loam
*Result	No asbestos identified

Sample ref:	<b>WS128a</b>
Depth (m)	<b>0.10</b>
Our ref:	<b>24819</b>
#Description of Sample Matrix:	Silt Loam
*Result	No asbestos identified

\*= UKAS accredited

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**ANALYTICAL REPORT No. 55220B**

Location: Paddock Wood, Former Halls SITE



F.A.O. Darren Beasley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 15/10/14

## Asbestos Identification

Sample ref:	<b>WS128c</b>
Depth (m)	<b>0.10</b>
Our ref:	<b>24820</b>
#Description of Sample Matrix:	Silt Loam
*Result	No asbestos identified

Sample ref:	<b>WS128a</b>
Depth (m)	<b>0.30</b>
Our ref:	<b>24821</b>
#Description of Sample Matrix:	Sandy Silt Loam
*Result	No asbestos identified

Sample ref:	<b>WS129</b>
Depth (m)	<b>0.30</b>
Our ref:	<b>24824</b>
#Description of Sample Matrix:	Silt Loam
*Result	Chrysotile (White Asbestos)

Sample ref:	<b>WS167</b>
Depth (m)	<b>0.20</b>
Our ref:	<b>24828</b>
#Description of Sample Matrix:	Silt Loam
*Result	No asbestos identified

Sample ref:	<b>WS167</b>
Depth (m)	<b>2.00</b>
Our ref:	<b>24829</b>
#Description of Sample Matrix:	Silt Loam
*Result	No asbestos identified

\*= UKAS accredited

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## ANALYTICAL REPORT No. 55220B

Location: Paddock Wood, Former Halls SITE

F.A.O. Darren Beasley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 15/10/14

### VOC ANALYSIS

Characteristic	Silty Clay Loam	Silt Loam	Silty Clay Loam	Silty Clay Loam	Sandy Silt Loam	Silt Loam	Silty Clay Loam
Date Sampled	---	---	---	---	---	---	---
<b>Soils</b>							
TP/BH	WS101	WS104	WS104	WS105	WS107	WS107b	WS107
Depth (m)	0.60	0.40	0.70	1.80	0.40	0.40	1.20
Our ref	24504	24516	24517a	24523	24533	24539	24535
Benzene**	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
Toluene**	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
Ethyl Benzene**	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
mpXylene**	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
oXylene**	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
1, 2-Dichloroethene-cis**	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
1, 1-Dichloroethane**	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
Chloroform**	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
Carbontetrachloride**	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
1, 1, 1-Trichloroethane**	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
Trichloroethylene**	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
Tetrachloroethylene**	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
1, 1, 1, 2-Tetrachloroethane**	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
1, 1, 2, 2-Tetrachloroethane**	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
Chlorobenzene**	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
Bromobenzene**	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
Bromodichloromethane**	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
Methylethylbenzene**	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
1, 1-Dichloro-1-propene**	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
1, 2-Dichloroethene-trans	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
2, 2-Dichloropropane	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
Bromochloromethane	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
1, 2-Dichloroethane	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
Dibromomethane**	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
1, 2-Dichloropropane**	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
1, 3-Dichloro1propene**	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
1, 3-Dichloro1propene trans	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
1, 1, 2-Trichloroethane	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
Dibromochloromethane	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
1, 3-Dichloropropane	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
Dibromoethane**	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
Styrene	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
Propylbenzene	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
2-Chlorotoluene	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
1, 2, 4-Trimethylbenzene	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
4-Chlorotoluene	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
t-Butylbenzene	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
Trimethylbenzene	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
1-Methylpropylbenzene	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
o-Cymene	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
1, 4-Dichlorobenzene	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
Butylbenzene	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
1, 2-Dibromo-3-chloropropane	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
Hexachlorobutadiene	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
1, 2, 3-Trichlorobenzene	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
1, 2, 4-Trichlorobenzene	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
1, 3-Dichlorobenzene	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
1, 2-Dichlorobenzene	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10
Bromoform	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10	(µg/kg) <10

\*\* - MCERTS accredited test

Stuart Ballard



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## ANALYTICAL REPORT No. 55220B

Location: Paddock Wood, Former Halls SITE

F.A.O. Darren Beasley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 15/10/14

### VOC ANALYSIS

Characteristic	Silt Loam	Sandy Silt Loam	Silt Loam	Silty Clay Loam	Silt Loam	Silt Loam	Sand
Date Sampled	26/06/14	26/06/14	26/06/14	26/06/14	26/06/14	26/06/14	27/06/14
TP/BH	WS110	WS111	WS111	WS113	WS114	WS114	WS116
Depth (m)	1.10	1.50	2.00	0.60	0.80	2.70	0.50
Our ref	24610	24615	24616a	24620	24623a	24626	24775
Benzene**	<10	<10	<10	<10	<10	<10	<10
Toluene**	<10	<10	<10	<10	<10	<10	<10
Ethyl Benzene**	<10	<10	<10	<10	<10	<10	<10
mpXylene**	<10	<10	<10	<10	<10	<10	<10
oXylene**	<10	<10	<10	<10	<10	<10	<10
1, 2-Dichloroethene-cis**	<10	<10	<10	<10	<10	<10	<10
1, 1-Dichloroethane**	<10	<10	<10	<10	<10	<10	<10
Chloroform**	<10	<10	<10	<10	<10	<10	<10
Carbontetrachloride**	<10	<10	<10	<10	<10	<10	<10
1, 1, 1-Trichloroethane**	<10	<10	<10	<10	<10	<10	<10
Trichloroethylene**	<10	<10	<10	<10	<10	<10	<10
Tetrachloroethylene**	<10	<10	<10	<10	<10	<10	<10
1, 1, 1, 2-Tetrachloroethane**	<10	<10	<10	<10	<10	<10	<10
1, 1, 2, 2-Tetrachloroethane**	<10	<10	<10	<10	<10	<10	<10
Chlorobenzene**	<10	<10	<10	<10	<10	<10	<10
Bromobenzene**	<10	<10	<10	<10	<10	<10	<10
Bromodichloromethane**	<10	<10	<10	<10	<10	<10	<10
Methylethylbenzene**	<10	<10	<10	<10	<10	<10	<10
1, 1-Dichloro-1-propene**	<10	<10	<10	<10	<10	<10	<10
1, 2-Dichloroethene-trans	<10	<10	<10	<10	<10	<10	<10
2, 2-Dichloropropane	<10	<10	<10	<10	<10	<10	<10
Bromochloromethane	<10	<10	<10	<10	<10	<10	<10
1, 2-Dichloroethane	<10	<10	<10	<10	<10	<10	<10
Dibromomethane**	<10	<10	<10	<10	<10	<10	<10
1, 2-Dichloropropane**	<10	<10	<10	<10	<10	<10	<10
1, 3-Dichloro1propene**	<10	<10	<10	<10	<10	<10	<10
1, 3-Dichloro1propene trans	<10	<10	<10	<10	<10	<10	<10
1, 1, 2-Trichloroethane	<10	<10	<10	<10	<10	<10	<10
Dibromochloromethane	<10	<10	<10	<10	<10	<10	<10
1, 3-Dichloropropane	<10	<10	<10	<10	<10	<10	<10
Dibromoethane**	<10	<10	<10	<10	<10	<10	<10
Styrene	<10	<10	<10	<10	<10	<10	<10
Propylbenzene	<10	<10	<10	<10	<10	<10	<10
2-Chlorotoluene	<10	<10	<10	<10	<10	<10	<10
1, 2, 4-Trimethylbenzene	<10	<10	<10	<10	<10	<10	<10
4-Chlorotoluene	<10	<10	<10	<10	<10	<10	<10
t-Butylbenzene	<10	<10	<10	<10	<10	<10	<10
Trimethylbenzene	<10	18	<10	<10	<10	<10	<10
1-Methylpropylbenzene	<10	<10	<10	<10	<10	<10	<10
o-Cymene	<10	<10	<10	<10	<10	<10	<10
1, 4-Dichlorobenzene	<10	<10	<10	<10	<10	<10	<10
Butylbenzene	<10	<10	<10	<10	<10	<10	<10
1, 2-Dibromo-3-chloropropane	<10	<10	<10	<10	<10	<10	<10
Hexachlorobutadiene	<10	<10	<10	<10	<10	<10	<10
1, 2, 3-Trichlorobenzene	<10	<10	<10	<10	<10	<10	<10
1, 2, 4-Trichlorobenzene	<10	<10	<10	<10	<10	<10	<10
1, 3-Dichlorobenzene	<10	<10	<10	<10	<10	<10	<10
1, 2-Dichlorobenzene	<10	<10	<10	<10	<10	<10	<10
Bromoform	<10	<10	<10	<10	<10	<10	<10

\*\* - MCERTS accredited test

Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonard's on Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55220B

Location: Paddock Wood, Former Halls SITE

F.A.O. Darren Beasley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 15/10/14

### VOC ANALYSIS

Characteristic	Silt Loam	Silty Clay Loam	Silt Loam	Sandy Clay Loam	Sandy Silt Loam	Silty Clay Loam	Silty Clay Loam	
		27/06/14	27/06/14	27/06/14	27/06/14	---	---	
<b>Soils</b>	TP/BH	WS117	WS117	WS163	WS163	WS124	WS129	WS104
	Depth (m)	0.90	2.30	0.40	0.90	0.40	2.50	0.70
	Our ref	24781	24782	24797	24799	24807	24826	24517b
Benzene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
Toluene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
Ethyl Benzene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
mpXylene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
oXylene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
1, 2-Dichloroethene-cis**	(µg/kg)	<10	<10	<10	<10	<10	30	<10
1, 1-Dichloroethane**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
Chloroform**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
Carbontetrachloride**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
1, 1, 1-Trichloroethane**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
Trichloroethylene**	(µg/kg)	<10	<10	<10	<10	<10	809	<10
Tetrachloroethylene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
1, 1, 1, 2-Tetrachloroethane**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
1, 1, 2, 2-Tetrachloroethane**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
Chlorobenzene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
Bromobenzene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
Bromodichloromethane**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
Methylethylbenzene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
1, 1-Dichloro-1-propene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
1, 2-Dichloroethene-trans	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
2, 2-Dichloropropane	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
Bromochloromethane	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
1, 2-Dichloroethane	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
Dibromomethane**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
1, 2-Dichloropropane**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
1, 3-Dichloro1propene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
1, 3-Dichloro1propene trans	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
1, 1, 2-Trichloroethane	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
Dibromochloromethane	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
1, 3-Dichloropropane	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
Dibromoethane**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
Styrene	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
Propylbenzene	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
2-Chlorotoluene	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
1, 2, 4-Trimethylbenzene	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
4-Chlorotoluene	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
t-Butylbenzene	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
Trimethylbenzene	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
1-Methylpropylbenzene	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
o-Cymene	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
1, 4-Dichlorobenzene	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
Butylbenzene	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
1, 2-Dibromo-3-chloropropane	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
Hexachlorobutadiene	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
1, 2, 3-Trichlorobenzene	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
1, 2, 4-Trichlorobenzene	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
1, 3-Dichlorobenzene	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
1, 2-Dichlorobenzene	(µg/kg)	<10	<10	<10	<10	<10	<10	<10
Bromoform	(µg/kg)	<10	<10	<10	<10	<10	<10	<10

\*\* - MCERTS accredited test

Stuart Ballant



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonard's on Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55220B**

Location: Paddock Wood, Former Halls SITE

F.A.O. Darren Beasley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 15/10/14

## VOC ANALYSIS

Soils	Characteristic	Silt Loam	Silt Loam
	Date Sampled	26/06/14	26/06/14
	TP/BH	WS111	WS114
	Depth (m)	2.00	0.80
	Our ref	24616b	24623b
	Benzene**	(µg/kg) <10	<10
	Toluene**	(µg/kg) <10	<10
	Ethyl Benzene**	(µg/kg) <10	<10
	mpXylene**	(µg/kg) <10	<10
	oXylene**	(µg/kg) <10	<10
	1, 2-Dichloroethene-cis**	(µg/kg) <10	<10
	1, 1-Dichloroethane**	(µg/kg) <10	<10
	Chloroform**	(µg/kg) <10	<10
	Carbontetrachloride**	(µg/kg) <10	<10
	1, 1, 1-Trichloroethane**	(µg/kg) <10	<10
	Trichloroethylene**	(µg/kg) <10	<10
	Tetrachloroethylene**	(µg/kg) <10	<10
	1, 1, 1, 2-Tetrachloroethane**	(µg/kg) <10	<10
	1, 1, 2, 2-Tetrachloroethane**	(µg/kg) <10	<10
	Chlorobenzene**	(µg/kg) <10	<10
	Bromobenzene**	(µg/kg) <10	<10
	Bromodichloromethane**	(µg/kg) <10	<10
	Methylethylbenzene**	(µg/kg) <10	<10
	1, 1-Dichloro-1-propene**	(µg/kg) <10	<10
	1, 2-Dichloroethene-trans	(µg/kg) <10	<10
	2, 2-Dichloropropane	(µg/kg) <10	<10
	Bromochloromethane	(µg/kg) <10	<10
	1, 2-Dichloroethane	(µg/kg) <10	<10
	Dibromomethane**	(µg/kg) <10	<10
	1, 2-Dichloropropane**	(µg/kg) <10	<10
	1, 3-Dichloro1propene**	(µg/kg) <10	<10
	1, 3-Dichloro1propene trans	(µg/kg) <10	<10
	1, 1, 2-Trichloroethane	(µg/kg) <10	<10
	Dibromochloromethane	(µg/kg) <10	<10
	1, 3-Dichloropropane	(µg/kg) <10	<10
	Dibromoethane**	(µg/kg) <10	<10
	Styrene	(µg/kg) <10	<10
	Propylbenzene	(µg/kg) <10	<10
	2-Chlorotoluene	(µg/kg) <10	<10
	1, 2, 4-Trimethylbenzene	(µg/kg) <10	<10
	4-Chlorotoluene	(µg/kg) <10	<10
	t-Butylbenzene	(µg/kg) <10	<10
	Trimethylbenzene	(µg/kg) <10	<10
	1-Methylpropylbenzene	(µg/kg) <10	<10
	o-Cymene	(µg/kg) <10	<10
	1, 4-Dichlorobenzene	(µg/kg) <10	<10
	Butylbenzene	(µg/kg) <10	<10
	1, 2-Dibromo-3-chloropropane	(µg/kg) <10	<10
	Hexachlorobutadiene	(µg/kg) <10	<10
	1, 2, 3-Trichlorobenzene	(µg/kg) <10	<10
	1, 2, 4-Trichlorobenzene	(µg/kg) <10	<10
	1, 3-Dichlorobenzene	(µg/kg) <10	<10
	1, 2-Dichlorobenzene	(µg/kg) <10	<10
	Bromoform	(µg/kg) <10	<10

\*\* - MCERTS accredited test

Stuart Ballant

# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55220B

Location: Paddock Wood, Former Halls SITE

F.A.O. Darren Beasley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 15/10/14

### SVOC ANALYSIS

Soils	TP/BH	WS102	WS105	WS108	WS108	WS110	WS111
	Depth (m)	1.00	0.40	0.70	1.00	0.70	0.30
	Our ref	24509	24521	24599	24600	24609	24612
Pyridine	(µg/kg)	<10	<10	<10	<10	<10	<10
Aniline	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol	(µg/kg)	<10	<10	<10	<10	195	<10
Bis(2-chloroethyl) ether	(µg/kg)	<10	<10	<10	<10	<10	<10
Benzene, 1,3-dichloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
Benzene, 1,4-dichloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
Benzene, 1,2-dichloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 2-methyl-	(µg/kg)	<10	10	<10	<10	57	<10
Ethane, hexachloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 3-methyl-	(µg/kg)	<10	<10	<10	<10	178	<10
Nitrobenzene	(µg/kg)	<10	<10	<10	<10	<10	<10
Isophorone	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 2-nitro-	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 2,4-dimethyl-	(µg/kg)	<10	<10	<10	<10	95	<10
Methane, bis(2-chloroethoxy)-	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 2,4-dichloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
1,3,4-Trichlorobenzene,	(µg/kg)	<10	<10	<10	<10	<10	<10
Naphthalene	(µg/kg)	--	--	--	--	--	--
4-Chloroaniline	(µg/kg)	<10	<10	<10	<10	<10	<10
Hexachloro-1,3-butadiene	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 4-chloro-3-methyl-	(µg/kg)	<10	<10	<10	<10	<10	<10
Naphthalene, 2-methyl-	(µg/kg)	<10	40	<10	77	548	48
Naphthalene, 1-methyl-	(µg/kg)	<10	31	<10	37	362	38
Hexachlorocyclopentadiene	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 2,4,6-trichloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 2,4,5-trichloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
Naphthalene, 2-chloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
2-Nitroaniline	(µg/kg)	<10	<10	<10	<10	<10	<10
1,4-Dinitrobenzene,	(µg/kg)	<10	<10	<10	<10	<10	<10
Dimethylphthalate	(µg/kg)	<10	<10	<10	<10	<10	<10
Acenaphthylene	(µg/kg)	--	--	--	--	--	--
1,3-Dinitrobenzene	(µg/kg)	<10	<10	<10	<10	<10	<10
3-Nitroaniline	(µg/kg)	<10	<10	<10	<10	<10	<10
Acenaphthene	(µg/kg)	--	--	--	--	--	--
Dibenzofuran	(µg/kg)	<10	65	<10	59	1221	135
2,4-Dinitrotoluene	(µg/kg)	<10	<10	<10	<10	<10	<10
2,3,4,6-Tetrachlorophenol,	(µg/kg)	<10	<10	<10	<10	<10	<10
2,3,5,6-Tetrachlorophenol,	(µg/kg)	<10	<10	<10	<10	<10	<10
Diethylphthalate	(µg/kg)	<10	<10	<10	<10	<10	<10
Fluorene	(µg/kg)	--	--	--	--	--	--
Diphenylamine	(µg/kg)	<10	<10	<10	<10	<10	<10
Azobenzene	(µg/kg)	<10	<10	<10	<10	<10	<10
4-Bromophenyl phenyl ether	(µg/kg)	<10	<10	<10	<10	<10	<10
Hexachlorobenzene	(µg/kg)	<10	<10	<10	<10	<10	<10
Pentachlorophenol	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenanthrene	(µg/kg)	--	--	--	--	--	--
Anthracene	(µg/kg)	--	--	--	--	--	--
Fluoranthene	(µg/kg)	--	--	--	--	--	--
Pyrene	(µg/kg)	--	--	--	--	--	--
Benzylbutylphthalate	(µg/kg)	<10	<10	<10	<10	<10	<10
Bis(2-ethylhexyl)adipate	(µg/kg)	<10	<10	<10	<10	<10	<10
Benzo(a)anthracene	(µg/kg)	--	--	--	--	--	--
Chrysene	(µg/kg)	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	(µg/kg)	<10	<10	<10	<10	<10	<10
Benzo(b)fluoranthene	(µg/kg)	--	--	--	--	--	--
Benzo(k)fluoranthene	(µg/kg)	--	--	--	--	--	--
Benzo(a)pyrene	(µg/kg)	--	--	--	--	--	--
Indeno[1,2,3-cd]pyrene	(µg/kg)	--	--	--	--	--	--
Dibenz(ah)anthracene	(µg/kg)	--	--	--	--	--	--
Benzo(ghi)perylene	(µg/kg)	--	--	--	--	--	--

# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55220B

Location: Paddock Wood, Former Halls SITE

F.A.O. Darren Beasley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 15/10/14

### SVOC ANALYSIS

#### Soils

	TP/BH	WS111	WS113	WS116	WS117	WS118	WS119
	Depth (m)	1.50	0.40	0.40	0.90	0.50	0.50
	Our ref	24615	24619	24774	24781	24786	24792
Pyridine	(µg/kg)	<10	<10	<10	<10	<10	<10
Aniline	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol	(µg/kg)	<10	<10	<10	<10	<10	<10
Bis(2-chloroethyl) ether	(µg/kg)	<10	<10	<10	<10	<10	<10
Benzene, 1,3-dichloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
Benzene, 1,4-dichloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
Benzene, 1,2-dichloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 2-methyl-	(µg/kg)	<10	<10	<10	<10	<10	<10
Ethane, hexachloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 3-methyl-	(µg/kg)	<10	<10	<10	<10	<10	<10
Nitrobenzene	(µg/kg)	<10	<10	<10	<10	<10	<10
Isophorone	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 2-nitro-	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 2,4-dimethyl-	(µg/kg)	<10	<10	<10	<10	<10	<10
Methane, bis(2-chloroethoxy)-	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 2,4-dichloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
1,3,4-Trichlorobenzene,	(µg/kg)	<10	<10	<10	<10	<10	<10
Naphthalene	(µg/kg)	—	—	—	—	—	—
4-Chloroaniline	(µg/kg)	<10	<10	<10	<10	<10	<10
Hexachloro-1,3-butadiene	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 4-chloro-3-methyl-	(µg/kg)	<10	<10	<10	<10	<10	<10
Naphthalene, 2-methyl-	(µg/kg)	<10	22	42	103	<10	31
Naphthalene, 1-methyl-	(µg/kg)	<10	16	48	33	<10	17
Hexachlorocyclopentadiene	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 2,4,6-trichloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 2,4,5-trichloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
Naphthalene, 2-chloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
2-Nitroaniline	(µg/kg)	<10	<10	<10	<10	<10	<10
1,4-Dinitrobenzene,	(µg/kg)	<10	<10	<10	<10	<10	<10
Dimethylphthalate	(µg/kg)	<10	<10	<10	<10	<10	<10
Acenaphthylene	(µg/kg)	—	—	—	—	—	—
1,3-Dinitrobenzene	(µg/kg)	<10	<10	<10	<10	<10	<10
3-Nitroaniline	(µg/kg)	<10	<10	<10	<10	<10	<10
Acenaphthene	(µg/kg)	—	—	—	—	—	—
Dibenzofuran	(µg/kg)	<10	18	<10	183	<10	30
2,4-Dinitrotoluene	(µg/kg)	<10	<10	<10	<10	<10	<10
2,3,4,6-Tetrachlorophenol,	(µg/kg)	<10	<10	<10	<10	<10	<10
2,3,5,6-Tetrachlorophenol,	(µg/kg)	<10	<10	<10	<10	<10	<10
Diethylphthalate	(µg/kg)	<10	<10	<10	<10	<10	<10
Fluorene	(µg/kg)	—	—	—	—	—	—
Diphenylamine	(µg/kg)	<10	<10	<10	<10	<10	<10
Azobenzene	(µg/kg)	<10	<10	<10	<10	<10	<10
4-Bromophenyl phenyl ether	(µg/kg)	<10	<10	<10	<10	<10	<10
Hexachlorobenzene	(µg/kg)	<10	<10	<10	<10	<10	<10
Pentachlorophenol	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenanthrene	(µg/kg)	—	—	—	—	—	—
Anthracene	(µg/kg)	—	—	—	—	—	—
Fluoranthene	(µg/kg)	—	—	—	—	—	—
Pyrene	(µg/kg)	—	—	—	—	—	—
Benzylbutylphthalate	(µg/kg)	<10	<10	<10	<10	<10	<10
Bis(2-ethylhexyl)adipate	(µg/kg)	<10	<10	<10	<10	<10	<10
Benzo(a)anthracene	(µg/kg)	—	—	—	—	—	—
Chrysene	(µg/kg)	—	—	—	—	—	—
Bis(2-ethylhexyl)phthalate	(µg/kg)	<10	<10	<10	<10	<10	<10
Benzo(b)fluoranthene	(µg/kg)	—	—	—	—	—	—
Benzo(k)fluoranthene	(µg/kg)	—	—	—	—	—	—
Benzo(a)pyrene	(µg/kg)	—	—	—	—	—	—
Indeno[1,2,3-cd]pyrene	(µg/kg)	—	—	—	—	—	—
Dibenz(ah)anthracene	(µg/kg)	—	—	—	—	—	—
Benzo(ghi)perylene	(µg/kg)	—	—	—	—	—	—

# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55220B

Location: Paddock Wood, Former Halls SITE

F.A.O. Darren Beasley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 15/10/14

### SVOC ANALYSIS

#### Soils

	TP/BH	WS119	WS166	WS166	WS124	WS127	WS128a
	Depth (m)	0.70	0.30	1.00	0.60	3.00	0.40
	Our ref	24790	24627	24630	24808	24817	24822
Pyridine	(µg/kg)	<10	<10	<10	<10	<10	<10
Aniline	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol	(µg/kg)	<10	<10	26	<10	<10	<10
Bis(2-chloroethyl) ether	(µg/kg)	<10	<10	<10	<10	<10	<10
Benzene, 1,3-dichloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
Benzene, 1,4-dichloro-	(µg/kg)	<10	<10	169	<10	<10	<10
Benzene, 1,2-dichloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 2-methyl-	(µg/kg)	<10	<10	<10	11	<10	<10
Ethane, hexachloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 3-methyl-	(µg/kg)	<10	<10	<10	<10	<10	<10
Nitrobenzene	(µg/kg)	<10	<10	<10	<10	<10	<10
Isophorone	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 2-nitro-	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 2,4-dimethyl-	(µg/kg)	<10	<10	<10	<10	<10	<10
Methane, bis(2-chloroethoxy)-	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 2,4-dichloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
1,3,4-Trichlorobenzene,	(µg/kg)	<10	<10	<10	<10	<10	<10
Naphthalene	(µg/kg)	--	--	--	--	--	--
4-Chloroaniline	(µg/kg)	<10	<10	<10	<10	<10	<10
Hexachloro-1,3-butadiene	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 4-chloro-3-methyl-	(µg/kg)	<10	<10	<10	<10	<10	<10
Naphthalene, 2-methyl-	(µg/kg)	214	20	9186	85	<10	111
Naphthalene, 1-methyl-	(µg/kg)	109	17	11280	74	<10	66
Hexachlorocyclopentadiene	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 2,4,6-trichloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 2,4,5-trichloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
Naphthalene, 2-chloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
2-Nitroaniline	(µg/kg)	<10	<10	<10	<10	<10	<10
1,4-Dinitrobenzene,	(µg/kg)	<10	<10	<10	<10	<10	<10
Dimethylphthalate	(µg/kg)	<10	<10	<10	<10	<10	<10
Acenaphthylene	(µg/kg)	--	--	--	--	--	--
1,3-Dinitrobenzene	(µg/kg)	<10	<10	<10	<10	<10	<10
3-Nitroaniline	(µg/kg)	<10	<10	<10	<10	<10	<10
Acenaphthene	(µg/kg)	--	--	--	--	--	--
Dibenzofuran	(µg/kg)	46	40	803	121	<10	142
2,4-Dinitrotoluene	(µg/kg)	<10	<10	<10	<10	<10	<10
2,3,4,6-Tetrachlorophenol,	(µg/kg)	<10	<10	<10	<10	<10	<10
2,3,5,6-Tetrachlorophenol,	(µg/kg)	<10	<10	<10	<10	<10	<10
Diethylphthalate	(µg/kg)	<10	<10	<10	<10	<10	<10
Fluorene	(µg/kg)	--	--	--	--	--	--
Diphenylamine	(µg/kg)	<10	<10	<10	<10	<10	<10
Azobenzene	(µg/kg)	<10	<10	<10	<10	<10	<10
4-Bromophenyl phenyl ether	(µg/kg)	<10	<10	<10	<10	<10	<10
Hexachlorobenzene	(µg/kg)	<10	<10	<10	<10	<10	<10
Pentachlorophenol	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenanthrene	(µg/kg)	--	--	--	--	--	--
Anthracene	(µg/kg)	--	--	--	--	--	--
Fluoranthene	(µg/kg)	--	--	--	--	--	--
Pyrene	(µg/kg)	--	--	--	--	--	--
Benzylbutylphthalate	(µg/kg)	<10	<10	<10	<10	<10	<10
Bis(2-ethylhexyl)adipate	(µg/kg)	<10	<10	<10	<10	<10	<10
Benzo(a)anthracene	(µg/kg)	--	--	--	--	--	--
Chrysene	(µg/kg)	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	(µg/kg)	<10	<10	<10	<10	<10	<10
Benzo(b)fluoranthene	(µg/kg)	--	--	--	--	--	--
Benzo(k)fluoranthene	(µg/kg)	--	--	--	--	--	--
Benzo(a)pyrene	(µg/kg)	--	--	--	--	--	--
Indeno[1,2,3-cd]pyrene	(µg/kg)	--	--	--	--	--	--
Dibenz(ah)anthracene	(µg/kg)	--	--	--	--	--	--
Benzo(ghi)perylene	(µg/kg)	--	--	--	--	--	--



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55220B

Location: Paddock Wood, Former Halls SITE

F.A.O. Darren Beasley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 15/10/14

## SVOC ANALYSIS

### Soils

	TP/BH	WS129
	Depth (m)	1.50
	Our ref	24825
Pyridine	(µg/kg)	<10
Aniline	(µg/kg)	<10
Phenol	(µg/kg)	<10
Bis(2-chloroethyl) ether	(µg/kg)	<10
Benzene, 1,3-dichloro-	(µg/kg)	<10
Benzene, 1,4-dichloro-	(µg/kg)	<10
Benzene, 1,2-dichloro-	(µg/kg)	<10
Phenol, 2-methyl-	(µg/kg)	<10
Ethane, hexachloro-	(µg/kg)	<10
Phenol, 3-methyl-	(µg/kg)	<10
Nitrobenzene	(µg/kg)	<10
Isophorone	(µg/kg)	<10
Phenol, 2-nitro-	(µg/kg)	<10
Phenol, 2,4-dimethyl-	(µg/kg)	<10
Methane, bis(2-chloroethoxy)-	(µg/kg)	<10
Phenol, 2,4-dichloro-	(µg/kg)	<10
1,3,4-Trichlorobenzene,	(µg/kg)	<10
Naphthalene	(µg/kg)	--
4-Chloroaniline	(µg/kg)	<10
Hexachloro-1,3-butadiene	(µg/kg)	<10
Phenol, 4-chloro-3-methyl-	(µg/kg)	<10
Naphthalene, 2-methyl-	(µg/kg)	<10
Naphthalene, 1-methyl-	(µg/kg)	4161
Hexachlorocyclopentadiene	(µg/kg)	<10
Phenol, 2,4,6-trichloro-	(µg/kg)	<10
Phenol, 2,4,5-trichloro-	(µg/kg)	<10
Naphthalene, 2-chloro-	(µg/kg)	<10
2-Nitroaniline	(µg/kg)	<10
1,4-Dinitrobenzene,	(µg/kg)	<10
Dimethylphthalate	(µg/kg)	<10
Acenaphthylene	(µg/kg)	--
1,3-Dinitrobenzene	(µg/kg)	<10
3-Nitroaniline	(µg/kg)	<10
Acenaphthene	(µg/kg)	--
Dibenzofuran	(µg/kg)	1177
2,4-Dinitrotoluene	(µg/kg)	<10
2,3,4,6-Tetrachlorophenol,	(µg/kg)	<10
2,3,5,6-Tetrachlorophenol,	(µg/kg)	<10
Diethylphthalate	(µg/kg)	<10
Fluorene	(µg/kg)	--
Diphenylamine	(µg/kg)	<10
Azobenzene	(µg/kg)	<10
4-Bromophenyl phenyl ether	(µg/kg)	<10
Hexachlorobenzene	(µg/kg)	<10
Pentachlorophenol	(µg/kg)	<10
Phenanthrene	(µg/kg)	--
Anthracene	(µg/kg)	--
Fluoranthene	(µg/kg)	--
Pyrene	(µg/kg)	--
Benzylbutylphthalate	(µg/kg)	<10
Bis(2-ethylhexyl)adipate	(µg/kg)	<10
Benzo(a)anthracene	(µg/kg)	--
Chrysene	(µg/kg)	--
Bis(2-ethylhexyl)phthalate	(µg/kg)	<10
Benzo(b)fluoranthene	(µg/kg)	--
Benzo(k)fluoranthene	(µg/kg)	--
Benzo(a)pyrene	(µg/kg)	--
Indeno[1,2,3-cd]pyrene	(µg/kg)	--
Dibenz(ah)anthracene	(µg/kg)	--
Benzo(ghi)perylene	(µg/kg)	--



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55220B**

Location: Paddock Wood, Former Halls SITE

F.A.O. Darren Beasley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: #####

## Organo-Chlorine Pesticides

Characteristic	Silty Clay Loam	Sandy Silt Loam	Silt Loam	Silt Loam	Silty Clay Loam	Silty Clay Loam
Date Sampled	26/06/14	26/06/14	27/06/14	27/06/14	---	---
TP/BH	WS111	WS111	WS117	WS117	WS125	WS129
Depth (m)	0.90	1.50	0.50	0.90	1.90	1.50
Our ref	24614	24615	24780	24781	24813	24825
Alpha BHC**	(µg/kg) <10	<10	<10	<10	<10	<10
Beta BHC**	(µg/kg) <10	<10	<10	<10	<10	<10
Gamma BHC**	(µg/kg) <10	<10	<10	<10	<10	<10
Delta BHC**	(µg/kg) <10	<10	<10	<10	<10	<10
Heptachlor	(µg/kg) <10	<10	<10	<10	<10	<10
Aldrin**	(µg/kg) <10	<10	<10	<10	<10	<10
Heptachlor epoxide	(µg/kg) <10	<10	<10	<10	<10	<10
Chlordane	(µg/kg) <10	<10	<10	<10	<10	<10
Endosulfan I	(µg/kg) <10	<10	<10	<10	<10	<10
cis-Chlordane	(µg/kg) <10	<10	<10	<10	<10	<10
pp-DDE**	(µg/kg) <10	<10	<10	<10	<10	<10
Dieldrin**	(µg/kg) <10	<10	<10	<10	<10	<10
Endrin	(µg/kg) <10	<10	<10	<10	<10	<10
pp-DDD**	(µg/kg) <10	<10	<10	<10	<10	<10
Endrin Aldehyde	(µg/kg) <10	<10	<10	<10	<10	<10
pp DDT**	(µg/kg) <10	<10	<10	<10	<10	<10
Endosulfan II	(µg/kg) <10	<10	<10	<10	<10	<10
Endrin Ketone	(µg/kg) <10	<10	<10	<10	<10	<10
pp-Methoxychlor	(µg/kg) <10	<10	<10	<10	<10	<10

## Organo-Phosphorus Pesticides

Characteristic	Silty Clay Loam	Sandy Silt Loam	Silt Loam	Silt Loam	Silty Clay Loam	Silty Clay Loam
Date Sampled	26/06/14	26/06/14	27/06/14	27/06/14	---	---
TP/BH	WS111	WS111	WS117	WS117	WS125	WS129
Depth (m)	0.90	1.50	0.50	0.90	1.90	1.50
Our ref	24614	24615	24780	24781	24813	24825
Mthamidophus	(µg/kg) <100	<100	<100	<100	<100	<100
Dichlorus	(µg/kg) <100	<100	<100	<100	<100	<100
Acephate	(µg/kg) <100	<100	<100	<100	<100	<100
Omethoate	(µg/kg) <100	<100	<100	<100	<100	<100
Demeton-S Methyl	(µg/kg) <100	<100	<100	<100	<100	<100
Dimethoate	(µg/kg) <100	<100	<100	<100	<100	<100
Tolclofos	(µg/kg) <100	<100	<100	<100	<100	<100
Primifos Methyl	(µg/kg) <100	<100	<100	<100	<100	<100
Malathion	(µg/kg) <100	<100	<100	<100	<100	<100
Chlorpyrifos	(µg/kg) <100	<100	<100	<100	<100	<100
Methidathion	(µg/kg) <100	<100	<100	<100	<100	<100
Tokuthion	(µg/kg) <100	<100	<100	<100	<100	<100
Profenofos	(µg/kg) <100	<100	<100	<100	<100	<100
Ethion	(µg/kg) <100	<100	<100	<100	<100	<100
Aziniphos-Methyl	(µg/kg) <100	<100	<100	<100	<100	<100
Pyrazophos	(µg/kg) <100	<100	<100	<100	<100	<100

All results expressed on dry weight basis

\*\* - MCERTS accredited test

Stuart Ballard



Unit A2  
 Windmill Road  
 Ponswood Industrial Estate  
 St Leonards on Sea  
 East Sussex  
 TN38 9BY  
 Telephone (01424) 718618  
 Facsimile (01424) 729911

## THE ENVIRONMENTAL LABORATORY LTD

### SAMPLE RECEIPT AND TEST DATES

Our Analytical Report Number      55220B  
 Your Job No:                              LP00762  
 Sample Receipt Date:                02/07/14  
 Reporting Date:                         15/10/14

Registered:                                02/07/14  
 Prepared:                                  03/07/14  
 Analysis complete:                    10/07/14

### TEST METHOD SUMMARY

PARAMETER	Analysis Undertaken on	Date Tested	Method Number	Technique
Arsenic**	Air dried sample	08/07/14	118	ICPMS
Cadmium**	Air dried sample	08/07/14	118	ICPMS
Chromium**	Air dried sample	08/07/14	118	ICPMS
Lead**	Air dried sample	08/07/14	118	ICPMS
Mercury**	Air dried sample	08/07/14	118	ICPMS
Nickel**	Air dried sample	08/07/14	118	ICPMS
Copper**	Air dried sample	08/07/14	118	ICPMS
Zinc**	Air dried sample	08/07/14	118	ICPMS
Selenium**	Air dried sample	08/07/14	118	ICPMS
Hexavalent Chromium	As submitted sample	04/07/14	110	Colorimetry
pH Value**	Air dried sample	08/07/14	113	Probe
Total Sulphate	Air dried sample	08/07/14	208	Colorimetry
Free Cyanide	As submitted sample	03/07/14	107	Colorimetry
Complex Cyanide	As submitted sample	03/07/14	145	Colorimetry
Sulphide	As submitted sample	08/07/14	109	Colorimetry
Total Monohydric Phenols	As submitted sample	03/07/14	121	HPLC
Total Organic Carbon	Air dried sample	07/07/14	210	Automated IR Adsorption
Speciated PAH**	As submitted sample	03/07/14	133	Gas Chromatography
Carbon Banding (TPH)	As submitted sample	03/07/14	117	Gas chromatography
BTEX**	As submitted sample	02/07/14	154	GCMS
Asbestos*	As submitted sample	07/07/14	179	See note
VOC**	As submitted sample	02/07/14	181	GCMS
SVOC	As submitted sample	02/07/14	167	GCMS
Organo Chlorine Pesticides**	As submitted sample	03/07/14	173	GCMS
Organo Phosphorus Pesticides	As submitted sample	03/07/14	173	GCMS

\* = UKAS Accredited test

\*\* - MCERTS Accredited test

Determinands not marked with \* or \*\* are not accredited

MCERTS accreditation covers samples which are predominantly sand, clay, loam or combinations of these three soil types

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Any comments, opinions, or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

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2683



Unit A2  
Windmill Road  
Ponswood Industrial Estate  
St Leonards on Sea  
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## THE ENVIRONMENTAL LABORATORY LTD

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F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Reporting Date: 24 July 2014

### ANALYTICAL REPORT No. 55282A

**Samples Received By:** Laboratory Courier  
**Sample Receipt Date:** 04/07/14  
**Your Job No:** LP00762  
**Your Order No:** LPO 2481  
**Site Location:** Paddock Wood, Former Halls Site  
**ELAB Sales Order:** 55282A  
**No Samples Received:** 72  
**Date of Sampling:** ---

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*This report was written by:* Stuart Ballard

Authorised By;

John Wilson  
Project & Business Development  
Manager (CChem, MRSC)

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Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

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# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55282A

Location: Paddock Wood, Former Halls Site



Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/14

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Soils	Characteristic	Sandy Silt Loam WS123	Sandy Silt Loam WS130	Sandy Silt Loam WS131	Silt Loam WS132	Sandy Silt Loam WS132	Silty Clay Loam WS132	Silt Loam WS133A	Silt Loam WS133A	Silt Loam WS134	Sandy Clay Loam WS134
	TP/BH	WS123	WS130	WS131	WS132	WS132	WS132	WS133A	WS133A	WS134	WS134
	Depth (m)	0.10	0.60	0.50	0.10	0.30	2.00	0.20	0.50	0.30	1.20
	Our ref	25303	25307	25310	25312	25313	25314	25316	25318	25325	25328
	Stone Content (%)	20	39	36	37	31	<1	25	15	6	<1
	Arsenic** (mg/kg)	13.9	11.0	20.8	11.8	14.6	9.3	14.6	13.5	11.5	18.6
	Cadmium** (mg/kg)	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5
	Chromium** (mg/kg)	22	16	19	15	18	43	19	24	22	23
	Lead** (mg/kg)	207	28	17	143	83	28	356	69	45	18
	Mercury** (mg/kg)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5
	Nickel** (mg/kg)	17	14	23	12	15	35	16	21	19	29
	Copper** (mg/kg)	40	11	13	25	21	31	53	19	18	20
	Zinc** (mg/kg)	153	47	64	93	89	103	285	120	88	60
	Selenium** (mg/kg)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Hexavalent Chromium (mg/kg)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	pH Value** (Units)	8.5	10.7	8.4	9.0	10.2	7.9	8.1	9.3	8.2	7.6
	Total Sulphate (% as SO <sub>4</sub> )	0.22	0.12	0.21	0.20	0.52	0.27	0.21	0.26	0.26	0.34
	Total Cyanide** (mg/kg)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	Free Cyanide (mg/kg)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	Sulphide (mg/kg)	<2	4.2	<2	<2	<2	<2	<2	<2	<2	<2
	Total Monohydric Phenols*** (mg/kg)	<1	9.6	<1	<1	<1	<1	<1	<1	<1	<1
	Total Organic Carbon (%)	2.3	3.7	0.3	1.4	1.0	0.1	1.9	0.9	1.2	0.2
	Total Chloride (%)	<0.01	0.01	0.03	<0.01	<0.01	0.04	0.03	<0.01	0.02	0.02

All results expressed on dry weight basis

\*\* - MCERTS accredited test

\* - UKAS accredited test \*\*\* - Sum of Phenol, 2, 3, 5,-Trimethylphenol, 2, 3,-Dimethylphenol, 3, 4-Dimethylphenol, Resorcinol/Catechol, o-Cresol, m, p-Cresol & Naphthol

Stuart Ballard



2683

# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55282A

Location: Paddock Wood, Former Halls Site



Your Job No: LP00762  
 Your Order No: LPO 2481  
 Reporting Date: 24/07/14

**F.A.O. Darren Beesley**  
**Leap Environmental Ltd.**  
**The Atrium, Curtis Road**  
**Dorking, Surrey**  
**RH4 1XA**

Characteristic	Silt Loam	Sandy Silt Loam	Silty Clay Loam	Sand	Silt Loam	Clay Loam	Silt Loam	Sandy Silt Loam	Silt Loam	Silt Loam + Clay Loam
TP/BH	WS135	WS135	WS135	WS165	WS138	WS138	WS139	WS139	WS139	WS140A
Depth (m)	0.10	0.30	1.50	0.40	0.30	2.10	0.60	0.90	0.10	0.30
Our ref	25329	25330	25332	25333	25338	25341	25343	25344	25345	25346
Stone Content (%)	23	16	<1	38	27	<1	<1	6	13	<1
Arsenic** (mg/kg)	13.0	11.6	13.7	12.4	11.8	11.4	12.0	8.7	11.1	7.3
Cadmium** (mg/kg)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	<0.5
Chromium** (mg/kg)	19	20	24	15	20	25	25	14	61	27
Lead** (mg/kg)	215	96	15	13	128	19	35	16	116	34
Mercury** (mg/kg)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Nickel** (mg/kg)	15	18	22	15	16	19	29	14	19	16
Copper** (mg/kg)	36	23	16	12	43	18	27	12	49	17
Zinc** (mg/kg)	158	115	51	47	127	59	119	55	278	108
Selenium** (mg/kg)	<1	<1	<1	<1	<1	<1	<1	<1	1.0	<1
Hexavalent Chromium (mg/kg)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
pH Value** (Units)	7.8	8.5	7.6	10.3	8.8	7.4	8.0	8.7	8.9	8.0
Total Sulphate (% as SO4)	0.22	0.23	0.36	0.28	0.20	0.31	0.25	0.25	0.25	0.19
Total Cyanide** (mg/kg)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Free Cyanide (mg/kg)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Sulphide (mg/kg)	<2	<2	<2	<2	<2	9.3	<2	<2	<2	<2
Total Monohydric Phenols*** (mg/kg)	1.6	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Organic Carbon (%)	2.7	1.1	0.1	0.3	1.0	0.2	0.5	0.5	3.0	0.7
Total Chloride (%)	<0.01	<0.01	<0.01	0.03	0.02	0.02	0.01	<0.01	<0.01	0.03

All results expressed on dry weight basis

\*\* - MCERTS accredited test

\* = UKAS accredited test

Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55282A

Location: Paddock Wood, Former Halls Site



Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/14

**F.A.O. Darren Beesley**  
**Leap Environmental Ltd.**  
**The Atrium, Curtis Road**  
**Dorking, Surrey**  
**RH4 1XA**

Characteristic	Silty Clay Loam WS140A	Silt Loam WS140B	Silt Loam WS141	Silt Loam WS141	Sandy Silt Loam WS142	Silt Loam WS162	Silt Loam WS162	Silty Clay Loam WS150	Silty Clay Loam WS150	Silt Loam WS145
TP/BH	WS140A	WS140B	WS141	WS141	WS142	WS162	WS162	WS150	WS150	WS145
Depth (m)	0.50	0.30	0.40	2.50	0.60	0.10	0.40	2.10	0.40	0.30
Our ref	25347	25349	25351	25353	25355	25357	25358	25359	25360	25361
Stone Content (%)	6	<1	<1	<1	33	19	21	<1	13	<1
Arsenic** (mg/kg)	13.2	13.2	14.4	7.1	11.2	9.4	11.0	16.3	11.3	15.0
Cadmium** (mg/kg)	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium** (mg/kg)	26	34	36	42	13	17	19	42	21	29
Lead** (mg/kg)	33	48	44	25	73	35	42	25	38	52
Mercury** (mg/kg)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Nickel** (mg/kg)	21	24	27	43	22	13	15	39	18	25
Copper** (mg/kg)	21	24	29	31	105	16	16	23	15	20
Zinc** (mg/kg)	244	150	134	109	84	56	83	84	66	67
Selenium** (mg/kg)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexavalent Chromium (mg/kg)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
pH Value** (Units)	8.5	8.4	8.1	7.7	8.8	8.5	9.3	7.5	9.8	7.6
Total Sulphate (% as SO4)	0.30	0.26	0.21	0.17	0.18	0.17	0.19	0.22	0.23	0.21
Total Cyanide** (mg/kg)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Free Cyanide (mg/kg)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Sulphide (mg/kg)	<2	<2	<2	<2	5.2	<2	<2	<2	<2	<2
Total Monohydric Phenols*** (mg/kg)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Organic Carbon (%)	0.9	1.3	2.8	0.2	16.3	1.2	0.9	0.1	0.9	2.1
Total Chloride (%)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

All results expressed on dry weight basis

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Stuart Ballard



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Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55282A

Location: Paddock Wood, Former Halls Site



Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/14

**F.A.O. Darren Beesley**  
**Leap Environmental Ltd.**  
**The Atrium, Curtis Road**  
**Dorking, Surrey**  
**RH4 1XA**

Characteristic	Silt Loam	Silt Loam	Silt Loam	Sandy Silt Loam	Silt Loam
TP/BH	WS147	WS147	WS148	WS148	WS149
Depth (m)	0.05	1.70	0.30	1.30	0.30
Our ref	25370	25371	25373	25376	25377
Stone Content (%)	16	<1	35	18	<1
Arsenic** (mg/kg)	15.9	<5	13.7	16.0	14.5
Cadmium** (mg/kg)	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium** (mg/kg)	24	38	19	23	26
Lead** (mg/kg)	157	27	13	15	80
Mercury** (mg/kg)	<0.5	<0.5	<0.5	<0.5	<0.5
Nickel** (mg/kg)	21	32	18	22	20
Copper** (mg/kg)	28	27	12	14	22
Zinc** (mg/kg)	107	86	50	59	109
Selenium** (mg/kg)	<1	<1	<1	<1	<1
Hexavalent Chromium (mg/kg)	<2	<2	<2	<2	<2
pH Value** (Units)	8.8	7.8	9.3	7.7	7.8
Total Sulphate (% as SO4)	0.22	0.20	0.14	0.25	0.24
Total Cyanide** (mg/kg)	<5	<5	<5	<5	<5
Free Cyanide (mg/kg)	<5	<5	<5	<5	<5
Sulphide (mg/kg)	<2	<2	<2	<2	<2
Total Monohydric Phenols*** (mg/kg)	<1	<1	<1	<1	<1
Total Organic Carbon (%)	2.3	0.1	1.0	<0.1	0.8
Total Chloride (%)	<0.01	<0.01	<0.01	<0.01	<0.01

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## ANALYTICAL REPORT No. 55282A

Location: Paddock Wood, Former Halls Site



Your Job No: LP00762  
 Your Order No: LPO 2481  
 Reporting Date: 24/07/14

**F.A.O. Darren Beesley**  
**Leap Environmental Ltd.**  
**The Atrium, Curtis Road**  
**Dorking, Surrey**  
**RH4 1XA**

Soils	Characteristic	Sandy Silt Loam	Sandy Silt Loam	Sandy Silt Loam	Silt Loam	Sandy Silt Loam	Silty Clay Loam	Silt Loam	Silt Loam	Silt Loam	Sandy Clay Loam
	TP/BH	WS123	WS130	WS131	WS132	WS132	WS132	WS133A	WS133A	WS134	WS134
	Depth (m)	0.10	0.60	0.50	0.10	0.30	2.00	0.20	0.50	0.30	1.20
	Our ref	25303	25307	25310	25312	25313	25314	25316	25318	25325	25328
	Naphthalene**	(mg/kg) <0.1	4.8	<0.1	0.1	0.1	<0.1	0.1	0.2	0.2	<0.1
	Acenaphthylene**	(mg/kg) 0.1	6.0	0.1	0.3	0.4	<0.1	0.2	0.4	0.6	<0.1
	Acenaphthene**	(mg/kg) <0.1	12.8	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	Fluorene**	(mg/kg) <0.1	12.4	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	Phenanthrene**	(mg/kg) 0.7	127.3	<0.1	1.9	0.8	<0.1	0.9	0.4	0.5	<0.1
	Anthracene**	(mg/kg) 0.2	46.4	<0.1	0.6	0.5	<0.1	0.3	0.3	0.4	<0.1
	Fluoranthene**	(mg/kg) 2.7	218.5	0.3	4.3	4.0	<0.1	3.5	1.6	1.6	<0.1
	Pyrene**	(mg/kg) 2.2	172.1	0.3	3.3	3.1	<0.1	2.6	1.4	1.3	<0.1
	Benz(a)anthracene**	(mg/kg) 1.9	142.9	0.4	3.5	3.5	<0.1	2.1	1.4	1.3	<0.1
	Chrysene**	(mg/kg) 1.5	97.3	0.2	1.9	1.9	<0.1	1.6	0.8	0.8	<0.1
	Benzo(b)fluoranthene**	(mg/kg) 2.3	103.8	0.5	2.8	3.9	<0.1	2.9	1.0	1.8	<0.1
	Benzo(k)fluoranthene**	(mg/kg) 1.1	88.7	0.3	1.9	1.6	<0.1	1.3	0.6	0.8	<0.1
	Benzo(a)pyrene**	(mg/kg) 2.6	131.7	0.5	3.2	3.6	<0.1	2.4	1.6	1.7	<0.1
	Indeno(123-cd)pyrene**	(mg/kg) 1.5	82.7	0.5	2.2	2.4	<0.1	1.5	0.8	1.0	<0.1
	Dibenz(ah)anthracene**	(mg/kg) 0.4	35.1	<0.1	0.8	0.9	<0.1	0.5	<0.1	0.2	<0.1
	Benzo(ghi)perylene**	(mg/kg) 1.4	74.5	0.5	1.8	2.0	<0.1	1.3	0.7	0.9	<0.1
	Total PAH (16)**	(mg/kg) 18.6	1357.0	3.5	28.9	28.6	<0.1	21.3	11.2	13.3	<0.1

All results expressed on dry weight basis

\*\* - MCERTS accredited test

Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY  
Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55282A

Location: Paddock Wood, Former Halls Site



Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/14

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Characteristic	Silt Loam	Sandy Silt Loam	Silty Clay Loam	Sand	Silt Loam	Clay Loam	Silt Loam	Sandy Silt Loam	Silt Loam	Silt Loam + Clay Loam
TP/BH	WS135	WS135	WS135	WS165	WS138	WS138	WS139	WS139	WS139	WS140A
Depth (m)	0.10	0.30	1.50	0.40	0.30	2.10	0.60	0.90	0.10	0.30
Our ref	25329	25330	25332	25333	25338	25341	25343	25344	25345	25346
Naphthalene** (mg/kg)	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	0.1	0.1	0.3
Acenaphthylene** (mg/kg)	0.1	0.1	<0.1	<0.1	0.6	<0.1	0.1	<0.1	0.2	0.2
Acenaphthene** (mg/kg)	<0.1	<0.1	<0.1	<0.1	0.2	0.1	<0.1	<0.1	<0.1	<0.1
Fluorene** (mg/kg)	<0.1	<0.1	<0.1	<0.1	0.2	0.2	<0.1	<0.1	<0.1	<0.1
Phenanthrene** (mg/kg)	0.5	0.5	<0.1	<0.1	4.7	<0.1	0.3	<0.1	1.0	0.8
Anthracene** (mg/kg)	0.2	0.2	<0.1	<0.1	1.4	0.1	0.1	<0.1	0.3	0.2
Fluoranthene** (mg/kg)	1.7	1.4	<0.1	0.2	13.1	0.6	1.1	0.2	2.5	1.9
Pyrene** (mg/kg)	1.4	1.1	<0.1	0.2	10.2	0.4	1.0	0.2	2.2	1.6
Benz(a)anthracene** (mg/kg)	1.2	1.1	<0.1	<0.1	9.1	<0.1	0.5	<0.1	1.3	0.9
Chrysene** (mg/kg)	0.9	0.7	<0.1	0.1	6.1	0.1	0.7	0.2	1.6	1.0
Benzo(b)fluoranthene** (mg/kg)	1.6	0.9	<0.1	0.1	8.1	<0.1	0.6	0.1	1.5	0.9
Benzo(k)fluoranthene** (mg/kg)	0.6	0.7	<0.1	0.1	5.0	<0.1	0.6	0.2	1.5	0.9
Benzo(a)pyrene** (mg/kg)	1.6	1.2	<0.1	0.2	8.9	<0.1	0.7	0.2	1.8	1.1
Indeno(123-cd)pyrene** (mg/kg)	0.9	0.7	<0.1	<0.1	6.0	<0.1	0.5	0.1	1.1	<0.1
Dibenz(ah)anthracene** (mg/kg)	0.2	0.2	<0.1	<0.1	2.4	<0.1	0.1	<0.1	0.3	0.2
Benzo(ghi)perylene** (mg/kg)	0.8	0.6	<0.1	0.1	5.4	<0.1	0.6	0.2	1.5	0.8
Total PAH (16)** (mg/kg)	11.8	9.5	<0.1	1.0	81.5	1.5	7.0	1.4	16.9	11.0

All results expressed on dry weight basis

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Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY  
Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55282A

Location: Paddock Wood, Former Halls Site



Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/14

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Characteristic	Silty Clay Loam	Silt Loam	Silt Loam	Silt Loam	Sandy Silt Loam	Silt Loam	Silt Loam	Silty Clay Loam	Silty Clay Loam	Silt Loam
TP/BH	WS140A	WS140B	WS141	WS141	WS142	WS162	WS162	WS150	WS150	WS145
Depth (m)	0.50	0.30	0.40	2.50	0.60	0.10	0.40	2.10	0.40	0.30
Our ref	25347	25349	25351	25353	25355	25357	25358	25359	25360	25361
Naphthalene** (mg/kg)	0.6	<0.1	0.4	<0.1	0.3	<0.1	0.1	<0.1	<0.1	0.2
Acenaphthylene** (mg/kg)	0.5	<0.1	1.8	<0.1	0.3	0.1	0.4	<0.1	<0.1	0.6
Acenaphthene** (mg/kg)	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene** (mg/kg)	0.4	<0.1	<0.1	<0.1	5.2	0.1	0.1	<0.1	<0.1	0.1
Phenanthrene** (mg/kg)	1.6	<0.1	0.3	<0.1	0.7	1.2	2.0	<0.1	0.3	2.2
Anthracene** (mg/kg)	0.5	<0.1	0.5	<0.1	0.7	0.4	0.7	<0.1	0.1	0.8
Fluoranthene** (mg/kg)	2.1	0.2	1.6	<0.1	2.4	2.8	7.9	<0.1	1.1	11.2
Pyrene** (mg/kg)	1.8	0.2	2.6	<0.1	2.2	2.4	7.2	<0.1	1.1	10.0
Benz(a)anthracene** (mg/kg)	1.3	<0.1	1.3	<0.1	1.5	1.3	4.6	<0.1	0.6	6.5
Chrysene** (mg/kg)	1.6	0.1	1.4	<0.1	2.1	1.5	4.7	<0.1	0.7	7.0
Benzo(b)fluoranthene** (mg/kg)	1.9	<0.1	1.2	<0.1	1.9	1.3	4.1	<0.1	0.7	5.7
Benzo(k)fluoranthene** (mg/kg)	1.7	<0.1	1.5	<0.1	1.9	1.3	4.3	<0.1	0.7	6.1
Benzo(a)pyrene** (mg/kg)	2.2	0.1	2.2	<0.1	1.9	1.6	5.1	<0.1	0.8	7.3
Indeno(123-cd)pyrene** (mg/kg)	1.4	<0.1	0.9	<0.1	1.1	0.9	2.8	<0.1	0.5	4.0
Dibenz(ah)anthracene** (mg/kg)	0.4	<0.1	<0.1	<0.1	0.4	0.2	0.8	<0.1	0.2	1.1
Benzo(ghi)perylene** (mg/kg)	1.7	<0.1	1.1	<0.1	1.3	1.1	0.3	<0.1	0.6	4.6
Total PAH (16)** (mg/kg)	19.9	0.5	17.0	<0.1	23.8	16.3	45.2	<0.1	7.3	67.4

All results expressed on dry weight basis

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Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55282A

Location: Paddock Wood, Former Halls Site



Your Job No: LP00762  
 Your Order No: LPO 2481  
 Reporting Date: 24/07/14

F.A.O. Darren Beesley  
 Leap Environmental Ltd.  
 The Atrium, Curtis Road  
 Dorking, Surrey  
 RH4 1XA

Characteristic	Silt Loam	Silt Loam	Silt Loam	Sandy Silt Loam	Silt Loam
TP/BH	WS147	WS147	WS148	WS148	WS149
Depth (m)	0.05	1.70	0.30	1.30	0.30
Our ref	25370	25371	25373	25376	25377
Naphthalene**	(mg/kg) <0.1	<0.1	0.2	<0.1	<0.1
Acenaphthylene**	(mg/kg) 0.1	<0.1	0.4	<0.1	<0.1
Acenaphthene**	(mg/kg) <0.1	<0.1	0.4	<0.1	<0.1
Fluorene**	(mg/kg) <0.1	<0.1	0.4	<0.1	<0.1
Phenanthrene**	(mg/kg) 0.7	<0.1	8.1	<0.1	0.5
Anthracene**	(mg/kg) 0.2	<0.1	2.2	<0.1	0.1
Fluoranthene**	(mg/kg) 2.4	<0.1	20.1	<0.1	1.2
Pyrene**	(mg/kg) 2.1	<0.1	17.1	<0.1	1.0
Benz(a)anthracene**	(mg/kg) 1.2	<0.1	8.8	<0.1	0.5
Chrysene**	(mg/kg) 1.4	<0.1	9.0	<0.1	0.6
Benzo(b)fluoranthene**	(mg/kg) 1.4	<0.1	7.2	<0.1	0.5
Benzo(k)fluoranthene**	(mg/kg) 1.4	<0.1	7.7	<0.1	0.5
Benzo(a)pyrene**	(mg/kg) 1.6	<0.1	9.1	<0.1	0.6
Indeno(123-cd)pyrene**	(mg/kg) 0.9	<0.1	5.0	<0.1	0.3
Dibenz(ah)anthracene**	(mg/kg) 0.3	<0.1	1.4	<0.1	<0.1
Benzo(ghi)perylene**	(mg/kg) 1.2	<0.1	5.8	<0.1	0.4
Total PAH (16)**	(mg/kg) 14.9	<0.1	103.0	<0.1	6.3

All results expressed on dry weight basis

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## ANALYTICAL REPORT No. 55282A

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F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

### TPH CWG - Soil

Characteristic	Silt Loam	Silt Loam	Silt Loam	Sandy Silt Loam	Sandy Silt Loam	Silty Clay Loam	Silt Loam	Silty Clay Loam	Sandy Silt Loam	Silt Loam
TP/BH	WS123	WS130	WS130	WS131	WS132	WS132	WS132	WS133B	WS133B	WS134
Depth (m)	0.40	0.30	0.40	0.50	0.30	2.00	0.60	1.00	1.30	0.40
Our ref	25304	25305	25306	25310	25313	25314	25315	25323	25324	25326

### Aromatic

>EC <sub>5</sub> -EC <sub>7</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>7</sub> -EC <sub>8</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub>	(mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
>EC <sub>10</sub> -EC <sub>12</sub>	(mg/kg)	<0.1	<0.1	0.5	<0.1	<0.1	1.1	<0.1	<0.1	<0.1
>EC <sub>12</sub> -EC <sub>16</sub>	(mg/kg)	<0.1	1.1	37.0	<0.1	<0.1	8.6	2.6	<0.1	<0.1
>EC <sub>16</sub> -EC <sub>21</sub>	(mg/kg)	1.5	15.1	122.3	0.1	1.7	11.1	4.6	<0.1	0.5
>EC <sub>21</sub> -EC <sub>35</sub>	(mg/kg)	18.5	130.5	281.8	10.6	13.3	13.1	7.3	0.2	9.7

### Aliphatic

>EC <sub>5</sub> -EC <sub>6</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>6</sub> -EC <sub>8</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub>	(mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1
>EC <sub>10</sub> -EC <sub>12</sub>	(mg/kg)	<0.1	<0.1	3.6	<0.1	<0.1	3.5	0.5	<0.1	<0.1
>EC <sub>12</sub> -EC <sub>16</sub>	(mg/kg)	0.2	0.4	14.4	<0.1	0.1	14.8	1.9	<0.1	<0.1
>EC <sub>16</sub> -EC <sub>21</sub>	(mg/kg)	0.9	2.1	29.6	0.3	0.6	12.8	1.2	<0.1	0.6
>EC <sub>21</sub> -EC <sub>35</sub>	(mg/kg)	8.7	15.3	101.4	8.8	4.4	7.6	5.0	0.4	10.5
TPH (C <sub>5</sub> - C <sub>35</sub> )	(mg/kg)	29.8	164.5	590.7	19.8	20.2	<0.1	72.6	23.2	<0.1
Benzene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10
Toluene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10
Ethyl Benzene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10
Xylenes**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10
MTBE	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10

All results expressed on dry weight basis

\*\* - MCERTS accredited test

Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55282A

Location: Paddock Wood, Former Halls Site



Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/14

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

### TPH CWG - Soil

Characteristic	Silty Clay Loam	Silty Clay Loam	Silty Clay Loam	Clay Loam	Sandy Silt Loam	Sandy Silt Loam	Silt Loam	Silty Clay Loam	Silt Loam	Silty Clay Loam
TP/BH	WS135	WS165	WS138	WS138	WS139	WS142	WS145	WS145	WS146	WS146
Depth (m)	1.10	2.00	2.00	2.10	0.90	0.60	0.40	2.10	0.80	2.80
Our ref	25331	25337	25340	25341	25344	25355	25362	25364	25367	25369

### Aromatic

>EC <sub>5</sub> -EC <sub>7</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>7</sub> -EC <sub>8</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub>	(mg/kg)	<0.1	0.4	<0.1	0.1	<0.1	<0.1	0.3	<0.1	<0.1	<0.1
>EC <sub>10</sub> -EC <sub>12</sub>	(mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
>EC <sub>12</sub> -EC <sub>16</sub>	(mg/kg)	<0.1	<0.1	4.5	0.2	0.1	<0.1	0.2	<0.1	<0.1	<0.1
>EC <sub>16</sub> -EC <sub>21</sub>	(mg/kg)	<0.1	<0.1	9.7	0.5	0.7	1.7	2.5	<0.1	<0.1	<0.1
>EC <sub>21</sub> -EC <sub>35</sub>	(mg/kg)	0.3	0.3	7.5	0.4	0.8	24.2	28.5	0.2	0.1	<0.1

### Aliphatic

>EC <sub>5</sub> -EC <sub>6</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>6</sub> -EC <sub>8</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub>	(mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1
>EC <sub>10</sub> -EC <sub>12</sub>	(mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
>EC <sub>12</sub> -EC <sub>16</sub>	(mg/kg)	<0.1	<0.1	2.3	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.1
>EC <sub>16</sub> -EC <sub>21</sub>	(mg/kg)	<0.1	<0.1	1.8	0.7	0.5	0.7	0.2	<0.1	<0.1	<0.1
>EC <sub>21</sub> -EC <sub>35</sub>	(mg/kg)	0.5	<0.1	2.9	0.3	0.2	7.0	2.1	<0.1	<0.1	<0.1
TPH (C <sub>5</sub> - C <sub>35</sub> )	(mg/kg)	<0.1	<0.1	28.6	<0.1	<0.1	33.5	33.8	<0.1	<0.1	<0.1
Benzene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Toluene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Ethyl Benzene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Xylenes**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MTBE	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

All results expressed on dry weight basis

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Stuart Ballard



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Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55282A

Location: Paddock Wood, Former Halls Site



Your Job No: LP00762  
 Your Order No: LPO 2481  
 Reporting Date: 24/07/14

F.A.O. Darren Beesley  
 Leap Environmental Ltd.  
 The Atrium, Curtis Road  
 Dorking, Surrey  
 RH4 1XA

### TPH CWG - Soil

Characteristic	Silt Loam	Silt Loam
TP/BH	WS148	WS148
Depth (m)	0.10	0.70
Our ref	25372	25375

### Aromatic

>EC <sub>5</sub> -EC <sub>7</sub>	(mg/kg)	<0.01	<0.01
>EC <sub>7</sub> -EC <sub>8</sub>	(mg/kg)	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub>	(mg/kg)	<0.1	0.1
>EC <sub>10</sub> -EC <sub>12</sub>	(mg/kg)	<0.1	0.2
>EC <sub>12</sub> -EC <sub>16</sub>	(mg/kg)	<0.1	0.2
>EC <sub>16</sub> -EC <sub>21</sub>	(mg/kg)	<0.1	0.3
>EC <sub>21</sub> -EC <sub>35</sub>	(mg/kg)	<0.1	0.3

### Aliphatic

>EC <sub>5</sub> -EC <sub>6</sub>	(mg/kg)	<0.01	<0.01
>EC <sub>6</sub> -EC <sub>8</sub>	(mg/kg)	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub>	(mg/kg)	<0.1	<0.1
>EC <sub>10</sub> -EC <sub>12</sub>	(mg/kg)	<0.1	<0.1
>EC <sub>12</sub> -EC <sub>16</sub>	(mg/kg)	<0.1	<0.1
>EC <sub>16</sub> -EC <sub>21</sub>	(mg/kg)	<0.1	<0.1
>EC <sub>21</sub> -EC <sub>35</sub>	(mg/kg)	<0.1	<0.1
TPH (C <sub>5</sub> - C <sub>35</sub> )	(mg/kg)	<0.1	<0.1
Benzene**	(µg/kg)	<10	<10
Toluene**	(µg/kg)	<10	<10
Ethyl Benzene**	(µg/kg)	<10	<10
Xylenes**	(µg/kg)	<10	<10
MTBE	(µg/kg)	<10	<10

All results expressed on dry weight basis

\*\* - MCERTS accredited test

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## ANALYTICAL REPORT No. 55282A

Location: Paddock Wood, Former Halls Site



F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/14

### Asbestos Identification

Sample ref: **WS123**  
Depth (m) **0.10**  
Our ref: 25303  
#Description of Sample Matrix: Sandy Silt Loam  
\*Result No asbestos identified

Sample ref: **WS130**  
Depth (m) **0.60**  
Our ref: 25307  
#Description of Sample Matrix: Sandy Silt Loam  
\*Result No asbestos identified

Sample ref: **WS131**  
Depth (m) **0.50**  
Our ref: 25310  
#Description of Sample Matrix: Sandy Silt Loam  
\*Result No asbestos identified

Sample ref: **WS132**  
Depth (m) **0.10**  
Our ref: 25312  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

Sample ref: **WS132**  
Depth (m) **0.30**  
Our ref: 25313  
#Description of Sample Matrix: Sandy Silt Loam  
\*Result Crocidolite (Blue Asbestos)

\*= UKAS accredited

Analytical result only applies to the sample as submitted by the client

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Stuart Ballant





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## ANALYTICAL REPORT No. 55282A

Location: Paddock Wood, Former Halls Site



F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/14

### Asbestos Identification

Sample ref: **WS132**  
Depth (m) **2.00**  
Our ref: 25314  
#Description of Sample Matrix: Silty Clay Loam  
\*Result No asbestos identified

Sample ref: **WS133A**  
Depth (m) **0.20**  
Our ref: 25316  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

Sample ref: **WS133A**  
Depth (m) **0.50**  
Our ref: 25318  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

Sample ref: **WS134**  
Depth (m) **0.30**  
Our ref: 25325  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

Sample ref: **WS134**  
Depth (m) **1.20**  
Our ref: 25328  
#Description of Sample Matrix: Sandy Clay Loam  
\*Result No asbestos identified

\*= UKAS accredited

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## ANALYTICAL REPORT No. 55282A

Location: Paddock Wood, Former Halls Site



F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/14

### Asbestos Identification

Sample ref: **WS135**  
Depth (m) **0.10**  
Our ref: 25329  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

Sample ref: **WS135**  
Depth (m) **0.30**  
Our ref: 25330  
#Description of Sample Matrix: Sandy Silt Loam  
\*Result No asbestos identified

Sample ref: **WS135**  
Depth (m) **1.50**  
Our ref: 25332  
#Description of Sample Matrix: Silty Clay Loam  
\*Result No asbestos identified

Sample ref: **WS165**  
Depth (m) **0.40**  
Our ref: 25333  
#Description of Sample Matrix: Sand  
\*Result No asbestos identified

Sample ref: **WS138**  
Depth (m) **0.30**  
Our ref: 25338  
#Description of Sample Matrix: Silt Loam  
\*Result Chrysotile (White Asbestos)

\*= UKAS accredited

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## ANALYTICAL REPORT No. 55282A

Location: Paddock Wood, Former Halls Site



F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/14

### Asbestos Identification

Sample ref: **WS138**  
Depth (m) **2.10**  
Our ref: 25341  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: **WS139**  
Depth (m) **0.60**  
Our ref: 25343  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

Sample ref: **WS139**  
Depth (m) **0.90**  
Our ref: 25344  
#Description of Sample Matrix: Sandy Silt Loam  
\*Result No asbestos identified

Sample ref: **WS139**  
Depth (m) **0.10**  
Our ref: 25345  
#Description of Sample Matrix: Silt Loam  
\*Result Chrysotile (White Asbestos)

Sample ref: **WS140A**  
Depth (m) **0.30**  
Our ref: 25346  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

\*= UKAS accredited

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Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55282A

Location: Paddock Wood, Former Halls Site



F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/14

### Asbestos Identification

Sample ref: **WS140A**  
Depth (m) **0.50**  
Our ref: 25347  
#Description of Sample Matrix: Silty Clay Loam  
\*Result No asbestos identified

Sample ref: **WS140B**  
Depth (m) **0.30**  
Our ref: 25349  
#Description of Sample Matrix: Silt Loam  
\*Result Chrysotile (White Asbestos)

Sample ref: **WS141**  
Depth (m) **0.40**  
Our ref: 25351  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

Sample ref: **WS141**  
Depth (m) **0.80**  
Our ref: 25352  
#Description of Sample Matrix: Clay Loam  
\*Result Chrysotile (White Asbestos)  
Crocidolite (Blue Asbestos)

Sample ref: **WS141**  
Depth (m) **2.50**  
Our ref: 25353  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

\*= UKAS accredited

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RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/14

## Asbestos Identification

Sample ref: **WS142**  
Depth (m) **0.60**  
Our ref: 25355  
#Description of Sample Matrix: Sandy Silt Loam  
\*Result Chrysotile (White Asbestos)  
Crocidolite (Blue Asbestos)  
Amosite (Brown Asbestos)

Sample ref: **WS162**  
Depth (m) **0.10**  
Our ref: 25357  
#Description of Sample Matrix: Silt Loam  
\*Result Chrysotile (White Asbestos)

Sample ref: **WS162**  
Depth (m) **0.40**  
Our ref: 25358  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

Sample ref: **WS150**  
Depth (m) **2.10**  
Our ref: 25359  
#Description of Sample Matrix: Silty Clay Loam  
\*Result No asbestos identified

Sample ref: **WS150**  
Depth (m) **0.40**  
Our ref: 25360  
#Description of Sample Matrix: Silty Clay Loam  
\*Result No asbestos identified

\*= UKAS accredited

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## ANALYTICAL REPORT No. 55282A

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RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/14

### Asbestos Identification

Sample ref: **WS145**  
Depth (m) **0.30**  
Our ref: 25361  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

Sample ref: **WS147**  
Depth (m) **0.05**  
Our ref: 25370  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

Sample ref: **WS147**  
Depth (m) **1.70**  
Our ref: 25371  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

Sample ref: **WS148**  
Depth (m) **0.30**  
Our ref: 25373  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

Sample ref: **WS148**  
Depth (m) **1.30**  
Our ref: 25376  
#Description of Sample Matrix: Sandy Silt Loam  
\*Result No asbestos identified

\*= UKAS accredited

Analytical result only applies to the sample as submitted by the client

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Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55282A**

Location: Paddock Wood, Former Halls Site



**F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA**

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/14

## Asbestos Identification

<b>Sample ref:</b>	<b>WS149</b>
<b>Depth (m)</b>	<b>0.30</b>
<b>Our ref:</b>	25377
<b>#Description of Sample Matrix:</b>	Silt Loam
<b>*Result</b>	No asbestos identified

\*= UKAS accredited

Analytical result only applies to the sample as submitted by the client

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Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonard's on Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55282A**

Location: Paddock Wood, Former Halls Site

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/14

## VOC ANALYSIS

Soils	Characteristic	Sandy Silt	Sandy Silt	Silt Loam	Silt Loam	Sandy Silt
		Loam	Loam			Loam
	TP/BH	WS130	WS131	WS133A	WS133B	WS134
	Depth (m)	0.90	0.40	0.50	0.50	0.60
	Our ref	25308	25309	25318	25321	25327
Benzene**	(µg/kg)	<10	<10	<10	<10	<10
Toluene**	(µg/kg)	<10	<10	<10	<10	<10
Ethyl Benzene**	(µg/kg)	<10	<10	<10	<10	<10
mpXylene**	(µg/kg)	<10	<10	<10	<10	<10
oXylene**	(µg/kg)	<10	<10	<10	<10	<10
1, 2-Dichloroethene-cis**	(µg/kg)	<10	<10	<10	<10	<10
1, 1-Dichloroethane**	(µg/kg)	<10	<10	<10	<10	<10
Chloroform**	(µg/kg)	<10	<10	<10	<10	<10
Carbontetrachloride**	(µg/kg)	<10	<10	<10	<10	<10
1, 1, 1-Trichloroethane**	(µg/kg)	<10	<10	<10	<10	<10
Trichloroethylene**	(µg/kg)	<10	<10	<10	<10	<10
Tetrachloroethylene**	(µg/kg)	<10	<10	<10	<10	<10
1, 1, 1, 2-Tetrachloroethane**	(µg/kg)	<10	<10	<10	<10	<10
1, 1, 2, 2-Tetrachloroethane**	(µg/kg)	<10	<10	<10	<10	<10
Chlorobenzene**	(µg/kg)	<10	<10	<10	<10	<10
Bromobenzene**	(µg/kg)	<10	<10	<10	<10	<10
Bromodichloromethane**	(µg/kg)	<10	<10	<10	<10	<10
Methylethylbenzene**	(µg/kg)	<10	<10	<10	<10	<10
1, 1-Dichloro-1-propene**	(µg/kg)	<10	<10	<10	<10	<10
1, 2-Dichloroethene-trans	(µg/kg)	<10	<10	<10	<10	<10
2, 2-Dichloropropane	(µg/kg)	<10	<10	<10	<10	<10
Bromochloromethane	(µg/kg)	<10	<10	<10	<10	<10
1, 2-Dichloroethane	(µg/kg)	<10	<10	<10	<10	<10
Dibromomethane**	(µg/kg)	<10	<10	<10	<10	<10
1, 2-Dichloropropane**	(µg/kg)	<10	<10	<10	<10	<10
1, 3-Dichloro 1propene**	(µg/kg)	<10	<10	<10	<10	<10
1, 3-Dichloro 1propene trans	(µg/kg)	<10	<10	<10	<10	<10
1, 1, 2-Trichloroethane	(µg/kg)	<10	<10	<10	<10	<10
Dibromochloromethane	(µg/kg)	<10	<10	<10	<10	<10
1, 3-Dichloropropane	(µg/kg)	<10	<10	<10	<10	<10
Dibromoethane**	(µg/kg)	<10	<10	<10	<10	<10
Styrene	(µg/kg)	<10	<10	<10	<10	<10
Propylbenzene	(µg/kg)	<10	<10	<10	<10	<10
2-Chlorotoluene	(µg/kg)	<10	<10	<10	<10	<10
1, 2, 4-Trimethylbenzene	(µg/kg)	<10	<10	<10	<10	<10
4-Chlorotoluene	(µg/kg)	<10	<10	<10	<10	<10
t-Butylbenzene	(µg/kg)	<10	<10	<10	<10	<10
Trimethylbenzene	(µg/kg)	<10	<10	<10	<10	<10
1-Methylpropylbenzene	(µg/kg)	<10	<10	<10	<10	<10
o-Cymene	(µg/kg)	<10	<10	<10	<10	<10
1, 4-Dichlorobenzene	(µg/kg)	<10	<10	<10	<10	<10
Butylbenzene	(µg/kg)	<10	<10	<10	<10	<10
1, 2-Dibromo-3-chloropropane	(µg/kg)	<10	<10	<10	<10	<10
Hexachlorobutadiene	(µg/kg)	<10	<10	<10	<10	<10
1, 2, 3-Trichlorobenzene	(µg/kg)	<10	<10	<10	<10	<10
1, 2, 4-Trichlorobenzene	(µg/kg)	<10	<10	<10	<10	<10
1, 3-Dichlorobenzene	(µg/kg)	<10	<10	<10	<10	<10
1, 2-Dichlorobenzene	(µg/kg)	<10	<10	<10	<10	<10
Bromoform	(µg/kg)	<10	<10	<10	<10	<10

\*\* - MCERTS accredited test

Stuart Ballant





# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonard's on Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55282A

Location: Paddock Wood, Former Halls Site

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762

Reporting Date: 24/07/14

### VOC ANALYSIS

Soils	Characteristic	Sand	Silty Clay	Silty Clay	Sandy Silt	Silt Loam +
		WS165	Loam WS165	Loam WS165	Loam WS139	Clay Loam WS140A
	TP/BH					
	Depth (m)	0.30	0.70	1.50	0.90	0.30
	Our ref	25334	25335	25336	25344	25346
	Benzene**	<10	<10	<10	<10	<10
	Toluene**	<10	<10	<10	<10	<10
	Ethyl Benzene**	<10	<10	<10	<10	<10
	mpXylene**	<10	<10	<10	<10	<10
	oXylene**	<10	<10	<10	<10	<10
	1, 2-Dichloroethene-cis**	<10	<10	<10	<10	<10
	1, 1-Dichloroethane**	<10	<10	<10	<10	<10
	Chloroform**	<10	<10	<10	<10	<10
	Carbontetrachloride**	<10	<10	<10	<10	<10
	1, 1, 1-Trichloroethane**	<10	<10	<10	<10	<10
	Trichloroethylene**	<10	<10	<10	<10	<10
	Tetrachloroethylene**	<10	<10	<10	<10	<10
	1, 1, 1, 2-Tetrachloroethane**	<10	<10	<10	<10	<10
	1, 1, 2, 2-Tetrachloroethane**	<10	<10	<10	<10	<10
	Chlorobenzene**	<10	<10	<10	<10	<10
	Bromobenzene**	<10	<10	<10	<10	<10
	Bromodichloromethane**	<10	<10	<10	<10	<10
	Methylethylbenzene**	<10	<10	<10	<10	<10
	1, 1-Dichloro-1-propene**	<10	<10	<10	<10	<10
	1, 2-Dichloroethene-trans	<10	<10	<10	<10	<10
	2, 2-Dichloropropane	<10	<10	<10	<10	<10
	Bromochloromethane	<10	<10	<10	<10	<10
	1, 2-Dichloroethane	<10	<10	<10	<10	<10
	Dibromomethane**	<10	<10	<10	<10	<10
	1, 2-Dichloropropane**	<10	<10	<10	<10	<10
	1, 3-Dichloro 1propene**	<10	<10	<10	<10	<10
	1, 3-Dichloro 1propene trans	<10	<10	<10	<10	<10
	1, 1, 2-Trichloroethane	<10	<10	<10	<10	<10
	Dibromochloromethane	<10	<10	<10	<10	<10
	1, 3-Dichloropropane	<10	<10	<10	<10	<10
	Dibromoethane**	<10	<10	<10	<10	<10
	Styrene	<10	<10	<10	<10	<10
	Propylbenzene	<10	<10	<10	<10	<10
	2-Chlorotoluene	<10	<10	<10	<10	<10
	1, 2, 4-Trimethylbenzene	<10	<10	<10	<10	<10
	4-Chlorotoluene	<10	<10	<10	<10	<10
	t-Butylbenzene	<10	<10	<10	<10	<10
	Trimethylbenzene	<10	<10	<10	<10	<10
	1-Methylpropylbenzene	<10	<10	<10	<10	<10
	o-Cymene	<10	<10	<10	<10	<10
	1, 4-Dichlorobenzene	<10	<10	<10	<10	<10
	Butylbenzene	<10	<10	<10	<10	<10
	1, 2-Dibromo-3-chloropropane	<10	<10	<10	<10	<10
	Hexachlorobutadiene	<10	<10	<10	<10	<10
	1, 2, 3-Trichlorobenzene	<10	<10	<10	<10	<10
	1, 2, 4-Trichlorobenzene	<10	<10	<10	<10	<10
	1, 3-Dichlorobenzene	<10	<10	<10	<10	<10
	1, 2-Dichlorobenzene	<10	<10	<10	<10	<10
	Bromoform	<10	<10	<10	<10	<10

\*\* - MCERTS accredited test

Stuart Ballant



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonard's on Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55282A

Location: Paddock Wood, Former Halls Site

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762

Reporting Date: 24/07/14

### VOC ANALYSIS

Soils	Characteristic	Silt Loam	Silt Loam	Silt Loam	Silty Clay	Silty Clay	Silt Loam
		WS104A	WS104B	WS140C	Loam WS146	Loam WS146	WS149
	TP/BH						
	Depth (m)	0.80	0.30	0.30	1.90	1.90	0.60
	Our ref	25348	25349	25350	25368	25368B	25379
	Benzene**	<10	<10	<10	<10	<10	<10
	Toluene**	<10	<10	<10	<10	<10	<10
	Ethyl Benzene**	<10	<10	<10	<10	<10	<10
	mpXylene**	<10	<10	<10	<10	<10	<10
	oXylene**	<10	<10	<10	<10	<10	<10
	1, 2-Dichloroethene-cis**	<10	<10	<10	<10	<10	<10
	1, 1-Dichloroethane**	<10	<10	<10	<10	<10	<10
	Chloroform**	<10	<10	<10	<10	<10	<10
	Carbontetrachloride**	<10	<10	<10	<10	<10	<10
	1, 1, 1-Trichloroethane**	<10	<10	<10	<10	<10	<10
	Trichloroethylene**	<10	<10	<10	<10	<10	<10
	Tetrachloroethylene**	<10	<10	<10	<10	<10	<10
	1, 1, 1, 2-Tetrachloroethane**	<10	<10	<10	<10	<10	<10
	1, 1, 2, 2-Tetrachloroethane**	<10	<10	<10	<10	<10	<10
	Chlorobenzene**	<10	<10	<10	<10	<10	<10
	Bromobenzene**	<10	<10	<10	<10	<10	<10
	Bromodichloromethane**	<10	<10	<10	<10	<10	<10
	Methylethylbenzene**	<10	<10	<10	<10	<10	<10
	1, 1-Dichloro-1-propene**	<10	<10	<10	<10	<10	<10
	1, 2-Dichloroethene-trans	<10	<10	<10	<10	<10	<10
	2, 2-Dichloropropane	<10	<10	<10	<10	<10	<10
	Bromochloromethane	<10	<10	<10	<10	<10	<10
	1, 2-Dichloroethane	<10	<10	<10	<10	<10	<10
	Dibromomethane**	<10	<10	<10	<10	<10	<10
	1, 2-Dichloropropane**	<10	<10	<10	<10	<10	<10
	1, 3-Dichloro 1propene**	<10	<10	<10	<10	<10	<10
	1, 3-Dichloro 1propene trans	<10	<10	<10	<10	<10	<10
	1, 1, 2-Trichloroethane	<10	<10	<10	<10	<10	<10
	Dibromochloromethane	<10	<10	<10	<10	<10	<10
	1, 3-Dichloropropane	<10	<10	<10	<10	<10	<10
	Dibromoethane**	<10	<10	<10	<10	<10	<10
	Styrene	<10	<10	<10	<10	<10	<10
	Propylbenzene	<10	<10	<10	<10	<10	<10
	2-Chlorotoluene	<10	<10	<10	<10	<10	<10
	1, 2, 4-Trimethylbenzene	<10	<10	<10	<10	<10	<10
	4-Chlorotoluene	<10	<10	<10	<10	<10	<10
	t-Butylbenzene	<10	<10	<10	<10	<10	<10
	Trimethylbenzene	<10	<10	<10	<10	<10	<10
	1-Methylpropylbenzene	<10	<10	<10	<10	<10	<10
	o-Cymene	<10	<10	<10	<10	<10	<10
	1, 4-Dichlorobenzene	<10	<10	<10	<10	<10	<10
	Butylbenzene	<10	<10	<10	<10	<10	<10
	1, 2-Dibromo-3-chloropropane	<10	<10	<10	<10	<10	<10
	Hexachlorobutadiene	<10	<10	<10	<10	<10	<10
	1, 2, 3-Trichlorobenzene	<10	<10	<10	<10	<10	<10
	1, 2, 4-Trichlorobenzene	<10	<10	<10	<10	<10	<10
	1, 3-Dichlorobenzene	<10	<10	<10	<10	<10	<10
	1, 2-Dichlorobenzene	<10	<10	<10	<10	<10	<10
	Bromoform	<10	<10	<10	<10	<10	<10

\*\* - MCERTS accredited test

Stuart Ballant

# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55282A

Location: Paddock Wood, Former Halls Site

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/14

### SVOC ANALYSIS

<u>Soils</u>	TP/BH	WS131	WS133A	WS133B	WS133B	WS142
	Depth (m)	0.80	0.40	0.40	0.70	0.90
	Our ref	25311	25317	25320	25322	25356
Pyridine	(µg/kg)	<10	<10	<10	<10	<10
Aniline	(µg/kg)	<10	<10	<10	<10	<10
Phenol	(µg/kg)	<10	<10	<10	<10	<10
Bis(2-chloroethyl) ether	(µg/kg)	<10	<10	<10	<10	<10
Benzene, 1,3-dichloro-	(µg/kg)	<10	<10	<10	<10	<10
Benzene, 1,4-dichloro-	(µg/kg)	<10	<10	<10	<10	<10
Benzene, 1,2-dichloro-	(µg/kg)	<10	<10	<10	<10	<10
Phenol, 2-methyl-	(µg/kg)	<10	<10	<10	<10	<10
Ethane, hexachloro-	(µg/kg)	<10	<10	<10	<10	<10
Phenol, 3-methyl-	(µg/kg)	<10	<10	<10	<10	<10
Nitrobenzene	(µg/kg)	<10	<10	<10	<10	<10
Isophorone	(µg/kg)	<10	<10	<10	<10	<10
Phenol, 2-nitro-	(µg/kg)	<10	<10	<10	<10	<10
Phenol, 2,4-dimethyl-	(µg/kg)	<10	<10	<10	<10	<10
Methane, bis(2-chloroethoxy)-	(µg/kg)	<10	<10	<10	<10	<10
Phenol, 2,4-dichloro-	(µg/kg)	<10	<10	<10	<10	<10
1,3,4-Trichlorobenzene,	(µg/kg)	<10	<10	<10	<10	<10
Naphthalene	(µg/kg)	---	---	---	---	---
4-Chloroaniline	(µg/kg)	<10	<10	<10	<10	<10
Hexachloro-1,3-butadiene	(µg/kg)	<10	<10	<10	<10	<10
Phenol, 4-chloro-3-methyl-	(µg/kg)	<10	<10	<10	<10	<10
Naphthalene, 2-methyl-	(µg/kg)	12	28	39	124	<10
Naphthalene, 1-methyl-	(µg/kg)	<10	17	25	124	<10
Hexachlorocyclopentadiene	(µg/kg)	<10	<10	<10	<10	<10
Phenol, 2,4,6-trichloro-	(µg/kg)	<10	<10	<10	<10	<10
Phenol, 2,4,5-trichloro-	(µg/kg)	<10	<10	<10	<10	<10
Naphthalene, 2-chloro-	(µg/kg)	<10	<10	<10	<10	<10
2-Nitroaniline	(µg/kg)	<10	<10	<10	<10	<10
1,4-Dinitrobenzene,	(µg/kg)	<10	<10	<10	<10	<10
Dimethylphthalate	(µg/kg)	<10	<10	<10	<10	<10
Acenaphthylene	(µg/kg)	---	---	---	---	---
1,3-Dinitrobenzene	(µg/kg)	<10	<10	<10	<10	<10
3-Nitroaniline	(µg/kg)	<10	<10	<10	<10	<10
Acenaphthene	(µg/kg)	---	---	---	---	---
Dibenzofuran	(µg/kg)	<10	13	18	61	<10
2,4-Dinitrotoluene	(µg/kg)	<10	<10	<10	<10	<10
2,3,4,6-Tetrachlorophenol,	(µg/kg)	<10	<10	<10	<10	<10
2,3,5,6-Tetrachlorophenol,	(µg/kg)	<10	<10	<10	<10	<10
Diethylphthalate	(µg/kg)	<10	<10	<10	<10	<10
Fluorene	(µg/kg)	---	---	---	---	---
Diphenylamine	(µg/kg)	<10	<10	<10	<10	<10
Azobenzene	(µg/kg)	<10	<10	<10	<10	<10
4-Bromophenyl phenyl ether	(µg/kg)	<10	<10	<10	<10	<10
Hexachlorobenzene	(µg/kg)	<10	<10	<10	<10	<10
Pentachlorophenol	(µg/kg)	<10	<10	<10	<10	<10
Phenanthrene	(µg/kg)	---	---	---	---	---
Anthracene	(µg/kg)	---	---	---	---	---
Fluoranthene	(µg/kg)	---	---	---	---	---
Pyrene	(µg/kg)	---	---	---	---	---
Benzylbutylphthalate	(µg/kg)	<10	<10	<10	<10	<10
Bis(2-ethylhexyl)adipate	(µg/kg)	<10	<10	<10	<10	<10
Benzo(a)anthracene	(µg/kg)	---	---	---	---	---
Chrysene	(µg/kg)	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	(µg/kg)	<10	<10	<10	<10	<10
Benzo(b)fluoranthene	(µg/kg)	---	---	---	---	---
Benzo(k)fluoranthene	(µg/kg)	---	---	---	---	---
Benzo(a)pyrene	(µg/kg)	---	---	---	---	---
Indeno[1,2,3-cd]pyrene	(µg/kg)	---	---	---	---	---
Dibenz(ah)anthracene	(µg/kg)	---	---	---	---	---
Benzo(ghi)perylene	(µg/kg)	---	---	---	---	---

# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55282A

Location: Paddock Wood, Former Halls Site

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/14

### SVOC ANALYSIS

<u>Soils</u>	TP/BH	WS145	WS146	WS148	WS149
	Depth (m)	0.80	0.30	0.40	0.40
	Our ref	25363	25365	25374	25378
Pyridine	(µg/kg)	<10	<10	<10	<10
Aniline	(µg/kg)	<10	<10	<10	<10
Phenol	(µg/kg)	<10	<10	<10	<10
Bis(2-chloroethyl) ether	(µg/kg)	<10	<10	<10	<10
Benzene, 1,3-dichloro-	(µg/kg)	<10	<10	<10	<10
Benzene, 1,4-dichloro-	(µg/kg)	<10	<10	<10	<10
Benzene, 1,2-dichloro-	(µg/kg)	<10	<10	<10	<10
Phenol, 2-methyl-	(µg/kg)	<10	<10	<10	<10
Ethane, hexachloro-	(µg/kg)	<10	<10	<10	<10
Phenol, 3-methyl-	(µg/kg)	<10	<10	<10	<10
Nitrobenzene	(µg/kg)	<10	<10	<10	<10
Isophorone	(µg/kg)	<10	<10	<10	<10
Phenol, 2-nitro-	(µg/kg)	<10	<10	<10	<10
Phenol, 2,4-dimethyl-	(µg/kg)	<10	<10	<10	<10
Methane, bis(2-chloroethoxy)-	(µg/kg)	<10	<10	<10	<10
Phenol, 2,4-dichloro-	(µg/kg)	<10	<10	<10	<10
1,3,4-Trichlorobenzene,	(µg/kg)	<10	<10	<10	<10
Naphthalene	(µg/kg)	---	---	---	---
4-Chloroaniline	(µg/kg)	<10	<10	<10	<10
Hexachloro-1,3-butadiene	(µg/kg)	<10	<10	<10	<10
Phenol, 4-chloro-3-methyl-	(µg/kg)	<10	<10	<10	<10
Naphthalene, 2-methyl-	(µg/kg)	<10	71	87	199
Naphthalene, 1-methyl-	(µg/kg)	<10	48	68	155
Hexachlorocyclopentadiene	(µg/kg)	<10	<10	<10	<10
Phenol, 2,4,6-trichloro-	(µg/kg)	<10	<10	<10	<10
Phenol, 2,4,5-trichloro-	(µg/kg)	<10	<10	<10	<10
Naphthalene, 2-chloro-	(µg/kg)	<10	<10	<10	<10
2-Nitroaniline	(µg/kg)	<10	<10	<10	<10
1,4-Dinitrobenzene,	(µg/kg)	<10	<10	<10	<10
Dimethylphthalate	(µg/kg)	<10	<10	<10	<10
Acenaphthylene	(µg/kg)	---	---	---	---
1,3-Dinitrobenzene	(µg/kg)	<10	<10	<10	<10
3-Nitroaniline	(µg/kg)	<10	<10	<10	<10
Acenaphthene	(µg/kg)	---	---	---	---
Dibenzofuran	(µg/kg)	<10	145	140	63
2,4-Dinitrotoluene	(µg/kg)	<10	<10	<10	<10
2,3,4,6-Tetrachlorophenol,	(µg/kg)	<10	<10	<10	<10
2,3,5,6-Tetrachlorophenol,	(µg/kg)	<10	<10	<10	<10
Diethylphthalate	(µg/kg)	<10	<10	<10	<10
Fluorene	(µg/kg)	---	---	---	---
Diphenylamine	(µg/kg)	<10	<10	<10	<10
Azobenzene	(µg/kg)	<10	<10	<10	<10
4-Bromophenyl phenyl ether	(µg/kg)	<10	<10	<10	<10
Hexachlorobenzene	(µg/kg)	<10	<10	<10	<10
Pentachlorophenol	(µg/kg)	<10	<10	<10	<10
Phenanthrene	(µg/kg)	---	---	---	---
Anthracene	(µg/kg)	---	---	---	---
Fluoranthene	(µg/kg)	---	---	---	---
Pyrene	(µg/kg)	---	---	---	---
Benzylbutylphthalate	(µg/kg)	<10	<10	<10	<10
Bis(2-ethylhexyl)adipate	(µg/kg)	<10	<10	<10	<10
Benzo(a)anthracene	(µg/kg)	---	---	---	---
Chrysene	(µg/kg)	---	---	---	---
Bis(2-ethylhexyl)phthalate	(µg/kg)	<10	<10	<10	<10
Benzo(b)fluoranthene	(µg/kg)	---	---	---	---
Benzo(k)fluoranthene	(µg/kg)	---	---	---	---
Benzo(a)pyrene	(µg/kg)	---	---	---	---
Indeno[1,2,3-cd]pyrene	(µg/kg)	---	---	---	---
Dibenz(ah)anthracene	(µg/kg)	---	---	---	---
Benzo(ghi)perylene	(µg/kg)	---	---	---	---

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# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55282A

Location: Paddock Wood, Former Halls Site

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/2014

### Organo-Chlorine Pesticides

Characteristic	Sand	Silty Clay Loam	Silt Loam	Silt Loam
Date Sampled	---	---	---	---
TP/BH	WS165	WS138	WS146	WS148
Depth (m)	0.30	2.00	0.80	0.10
Our ref	25334	25340	25367	25372
Alpha BHC**	(µg/kg) <100	<10	<10	<10
Beta BHC**	(µg/kg) <100	<10	<10	<10
Gamma BHC**	(µg/kg) <100	<10	<10	<10
Delta BHC**	(µg/kg) <100	<10	<10	<10
Heptachlor	(µg/kg) <100	<10	<10	<10
Aldrin**	(µg/kg) <100	<10	<10	<10
Heptachlor epoxide	(µg/kg) <100	<10	<10	<10
Chlordane	(µg/kg) <100	<10	<10	<10
Endosulfan I	(µg/kg) <100	<10	<10	<10
cis-Chlordane	(µg/kg) <100	<10	<10	<10
pp-DDE**	(µg/kg) <100	<10	<10	<10
Dieldrin**	(µg/kg) <100	<10	<10	<10
Endrin	(µg/kg) <100	<10	<10	<10
pp-DDD**	(µg/kg) <100	<10	<10	<10
Endrin Aldehyde	(µg/kg) <100	<10	<10	<10
pp DDT**	(µg/kg) <100	<10	<10	<10
Endosulfan II	(µg/kg) <100	<10	<10	<10
Endrin Ketone	(µg/kg) <100	<10	<10	<10
pp-Methoxychlor	(µg/kg) <100	<10	<10	<10

### Organo-Phosphorus Pesticides

Characteristic	Sand	ilty Clay Loam	Silt Loam	Silt Loam
Date Sampled	---	---	---	---
TP/BH	WS165	WS138	WS146	WS148
Depth (m)	0.30	2.00	0.80	0.10
Our ref	25334	25340	25367	25372
Mthamidophus	(µg/kg) <100	<100	<100	<100
Dichlorus	(µg/kg) <100	<100	<100	<100
Acephate	(µg/kg) <100	<100	<100	<100
Omethoate	(µg/kg) <100	<100	<100	<100
Demeton-S Methyl	(µg/kg) <100	<100	<100	<100
Dimethoate	(µg/kg) <100	<100	<100	<100
Tolclofos	(µg/kg) <100	<100	<100	<100
Primifos Methyl	(µg/kg) <100	<100	<100	<100
Malathion	(µg/kg) <100	<100	<100	<100
Chlorpyrifos	(µg/kg) <100	<100	<100	<100
Methidathion	(µg/kg) <100	<100	<100	<100
Tokuthion	(µg/kg) <100	<100	<100	<100
Profenofos	(µg/kg) <100	<100	<100	<100
Ethion	(µg/kg) <100	<100	<100	<100
Aziniphos-Methyl	(µg/kg) <100	<100	<100	<100
Pyrazophos	(µg/kg) <100	<100	<100	<100

All results expressed on dry weight basis

\*\* - MCERTS accredited test



Unit A2  
Windmill Road  
Ponswood Industrial Estate  
St Leonards on Sea  
East Sussex  
TN38 9BY  
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## THE ENVIRONMENTAL LABORATORY LTD

### SAMPLE RECEIPT AND TEST DATES

Our Analytical Report Number      55282A  
Your Job No:                                LP00762  
Sample Receipt Date:                    04/07/14  
Reporting Date:                            24/07/14  
  
Registered:                                 04/07/14  
Prepared:                                    05/07/14  
Analysis complete:                        24/07/14

### TEST METHOD SUMMARY

PARAMETER	Analysis Undertaken on	Date Tested	Method Number	Technique
Arsenic**	Air dried sample	09/07/14	118	ICPMS
Cadmium**	Air dried sample	09/07/14	118	ICPMS
Chromium**	Air dried sample	09/07/14	118	ICPMS
Lead**	Air dried sample	09/07/14	118	ICPMS
Mercury**	Air dried sample	09/07/14	118	ICPMS
Nickel**	Air dried sample	09/07/14	118	ICPMS
Copper**	Air dried sample	09/07/14	118	ICPMS
Zinc**	Air dried sample	09/07/14	118	ICPMS
Selenium**	Air dried sample	09/07/14	118	ICPMS
Hexavalent Chromium	As submitted sample	09/07/14	110	Colorimetry
pH Value**	Air dried sample	10/07/14	113	Probe
Total Sulphate	Air dried sample	10/07/14	208	Colorimetry
Total Cyanide**	As submitted sample	09/07/14	204	Automated Flow Digital Colorimetry
Free Cyanide	As submitted sample	09/07/14	107	Colorimetry
Sulphide	As submitted sample	09/07/14	109	Colorimetry
Total Monohydric Phenols***	As submitted sample	09/07/14	121	HPLC
Total Organic Carbon	Air dried sample	11/07/14		
Total Chloride		09/07/14		
Speciated PAH (16)**	As submitted sample	08/07/14	133	Gas Chromatography
Carbon Banding (TPH)	As submitted sample	08/07/14	214	Gas chromatography
BTEX**	As submitted sample	08/07/14	181	GCMS
VOC**	As submitted sample	08/07/14	181	GCMS
SVOC	As submitted sample	08/07/14	167	GCMS
Organo Chlorine Pesticides**	As submitted sample	08/07/14	173	GCMS
Organo Phosphorus Pesticides	As submitted sample	08/07/14	173	GCMS
Asbestos*	As submitted sample	10/07/14	179	See note

Asbestos analysis qualitative only

Note:- Documented In-house procedure based on HSG 248 2005

\* = UKAS Accredited test

\*\* - MCERTS Accredited test

Determinands not marked with \* or \*\* are not accredited

MCERTS accreditation covers samples which are predominantly sand, clay, loam or combinations of these three soil types

All results have been expressed on a dry weight basis and where appropriate have been corrected for moisture and stone content accordingly

Any comments, opinions, or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)



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Unit A2  
Windmill Road  
Ponswood Industrial Estate  
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## THE ENVIRONMENTAL LABORATORY LTD

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F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Reporting Date: 24 July 2014

### ANALYTICAL REPORT No. 55317A

**Samples Received By:** Laboratory Courier  
**Sample Receipt Date:** 09/07/14  
**Your Job No:** LP00762  
**Your Order No:** LPO 2481  
**Site Location:** Paddock Wood, Former Halls Site  
**ELAB Sales Order:** 55317A  
**No Samples Received:** 30  
**Date of Sampling:** ---

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*This report was written by:* Stuart Ballard

Authorised By;

John Wilson  
Project & Business Development  
Manager (CChem, MRSC)

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Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

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# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55317A

Location: Paddock Wood, Former Halls Site



Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/14

**F.A.O. Darren Beesley**  
**Leap Environmental Ltd.**  
**The Atrium, Curtis Road**  
**Dorking, Surrey**  
**RH4 1XA**

Characteristic	Silty Clay Loam WS169	Silt Loam WS120	Silt Loam WS120	Silty Clay Loam WS121	Silty Clay Loam WS121	Silt Loam WS122	Silt Loam WS136A	Silt Loam WS136B	Silt Loam WS136C	Silt Loam WS164A
TP/BH	WS169	WS120	WS120	WS121	WS121	WS122	WS136A	WS136B	WS136C	WS164A
Depth (m)	1.10	0.20	3.00	0.30	1.20	0.30	0.30	0.30	0.30	0.30
Our ref	25386	25389	25393	25395	25397	25401	25410	25412	25414	25444
Stone Content (%)	<1	31	<1	14	<1	33	14	14	40	38
Arsenic** (mg/kg)	10.5	14.3	6.3	11.5	12.0	20.5	20.7	22.1	13.7	10.2
Cadmium** (mg/kg)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium** (mg/kg)	27	21	41	25	35	29	35	28	26	41
Lead** (mg/kg)	20	118	25	49	16	149	172	157	161	87
Mercury** (mg/kg)	<0.5	0.6	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	<0.5	<0.5
Nickel** (mg/kg)	15	17	41	20	19	17	20	18	17	20
Copper** (mg/kg)	14	279	31	20	15	39	47	31	39	30
Zinc** (mg/kg)	71	151	91	96	57	126	106	109	119	83
Selenium** (mg/kg)	<1	<1	<1	<1	<1	<1	1.3	1.5	<1	<1
Hexavalent Chromium (mg/kg)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
pH Value** (Units)	6.7	8.8	7.7	8.7	7.7	7.9	7.6	7.8	8.3	7.8
Total Sulphate (% as SO <sub>4</sub> )	0.16	0.16	0.19	0.21	0.26	0.18	0.21	0.20	0.18	0.18
Total Cyanide** (mg/kg)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Free Cyanide (mg/kg)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Sulphide (mg/kg)	6.5	2.5	<2	3.4	<2	3.0	2.8	3.4	2.7	3.1
Total Monohydric Phenols*** (mg/kg)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Organic Carbon (%)	0.2	0.9	0.3	1.1	0.2	1.3	1.7	1.8	1.2	1.7
Total Chloride (%)	<0.01	<0.01	<0.01	<0.01	<0.01	0	0	0	0	0

All results expressed on dry weight basis

\*\* - MCERTS accredited test

\* - UKAS accredited test

\*\*\* - Sum of Phenol, 2, 3, 5,-Trimethylphenol, 2, 3,-Dimethylphenol, 3, 4-Dimethylphenol, Resorcinol/Catechol, o-Cresol, m, p-Cresol & Naphthol

Stuart Ballard





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# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55317A

Location: Paddock Wood, Former Halls Site



Your Job No: LP00762  
 Your Order No: LPO 2481  
 Reporting Date: 24/07/14

**F.A.O. Darren Beesley**  
**Leap Environmental Ltd.**  
**The Atrium, Curtis Road**  
**Dorking, Surrey**  
**RH4 1XA**

Characteristic		Silt Loam
	TP/BH	WS164B
	Depth (m)	0.30
	Our ref	25446
Stone Content	(%)	38
Arsenic**	(mg/kg)	10.5
Cadmium**	(mg/kg)	<0.5
Chromium**	(mg/kg)	25
Lead**	(mg/kg)	165
Mercury**	(mg/kg)	<0.5
Nickel**	(mg/kg)	14
Copper**	(mg/kg)	22
Zinc**	(mg/kg)	77
Selenium**	(mg/kg)	<1
Hexavalent Chromium	(mg/kg)	<2
pH Value**	(Units)	9.3
Total Sulphate	(% as SO4)	0.20
Total Cyanide**	(mg/kg)	<5
Free Cyanide	(mg/kg)	<5
Sulphide	(mg/kg)	2.9
Total Monohydric Phenols***	(mg/kg)	<1
Total Organic Carbon	(%)	1.3
Total Chloride	(%)	0

All results expressed on dry weight basis

\*\* - MCERTS accredited test

\* = UKAS accredited test

Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY  
Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55317A

Location: Paddock Wood, Former Halls Site



Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/14

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Characteristic	Silty Clay Loam	Silt Loam	Silt Loam	Silty Clay Loam	Silty Clay Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam
TP/BH	WS169	WS120	WS120	WS121	WS121	WS122	WS136A	WS136B	WS136C	WS164A
Depth (m)	1.10	0.20	3.00	0.30	1.20	0.30	0.30	0.30	0.30	0.30
Our ref	25386	25389	25393	25395	25397	25401	25410	25412	25414	25444
Naphthalene** (mg/kg)	<0.1	0.1	<0.1	0.2	0.8	<0.1	0.1	0.1	0.1	<0.1
Acenaphthylene** (mg/kg)	<0.1	0.1	<0.1	0.2	<0.1	<0.1	0.1	0.4	<0.1	<0.1
Acenaphthene** (mg/kg)	<0.1	<0.1	<0.1	<0.1	2.6	<0.1	<0.1	0.1	<0.1	<0.1
Fluorene** (mg/kg)	<0.1	<0.1	<0.1	<0.1	2.7	<0.1	<0.1	0.3	<0.1	<0.1
Phenanthrene** (mg/kg)	<0.1	1.4	<0.1	0.5	6.5	0.6	0.4	3.1	0.4	0.4
Anthracene** (mg/kg)	<0.1	0.5	<0.1	0.2	1.6	0.1	0.1	0.8	0.1	0.1
Fluoranthene** (mg/kg)	<0.1	3.9	<0.1	1.6	1.8	2.0	1.5	4.2	1.5	1.1
Pyrene** (mg/kg)	<0.1	3.3	<0.1	1.4	1.8	1.7	1.3	3.4	1.4	1.0
Benz(a)anthracene** (mg/kg)	<0.1	2.6	<0.1	0.8	0.4	0.9	0.9	1.9	1.0	0.6
Chrysene** (mg/kg)	<0.1	3.0	<0.1	1.0	0.4	1.1	1.0	2.0	1.1	0.7
Benzo(b)fluoranthene** (mg/kg)	<0.1	2.9	<0.1	0.8	0.1	0.9	0.9	1.6	1.0	0.7
Benzo(k)fluoranthene** (mg/kg)	<0.1	2.8	<0.1	1.0	<0.1	1.0	1.0	1.6	1.1	0.7
Benzo(a)pyrene** (mg/kg)	<0.1	3.6	<0.1	1.1	0.1	1.2	1.1	1.9	1.2	0.8
Indeno(123-cd)pyrene** (mg/kg)	<0.1	2.0	<0.1	0.7	<0.1	0.6	0.6	1.0	0.7	0.6
Dibenz(ah)anthracene** (mg/kg)	<0.1	0.8	<0.1	0.2	<0.1	0.2	0.2	0.4	0.2	0.2
Benzo(ghi)perylene** (mg/kg)	<0.1	2.4	<0.1	0.9	<0.1	0.8	0.8	1.1	0.8	0.7
Total PAH (16)** (mg/kg)	<0.1	29.6	<0.1	10.5	18.7	10.9	10.1	23.8	10.5	7.5

All results expressed on dry weight basis

\*\* - MCERTS accredited test

Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55317A

Location: Paddock Wood, Former Halls Site



Your Job No: LP00762  
 Your Order No: LPO 2481  
 Reporting Date: 24/07/14

**F.A.O. Darren Beesley**  
**Leap Environmental Ltd.**  
**The Atrium, Curtis Road**  
**Dorking, Surrey**  
**RH4 1XA**

Characteristic	Silt Loam
TP/BH	WS164B
Depth (m)	0.30
Our ref	25446

Naphthalene**	(mg/kg)	<0.1
Acenaphthylene**	(mg/kg)	0.1
Acenaphthene**	(mg/kg)	<0.1
Fluorene**	(mg/kg)	<0.1
Phenanthrene**	(mg/kg)	0.8
Anthracene**	(mg/kg)	0.2
Fluoranthene**	(mg/kg)	2.1
Pyrene**	(mg/kg)	1.8
Benz(a)anthracene**	(mg/kg)	1.0
Chrysene**	(mg/kg)	1.1
Benzo(b)fluoranthene**	(mg/kg)	0.9
Benzo(k)fluoranthene**	(mg/kg)	1.0
Benzo(a)pyrene**	(mg/kg)	1.2
Indeno(123-cd)pyrene**	(mg/kg)	0.7
Dibenz(ah)anthracene**	(mg/kg)	0.2
Benzo(ghi)perylene**	(mg/kg)	0.9
Total PAH (16)**	(mg/kg)	12.1

All results expressed on dry weight basis

\*\* - MCERTS accredited test

Stuart Ballard



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Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55317A

Location: Paddock Wood, Former Halls Site



Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/14

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

### TPH CWG - Soil

Characteristic	Silt Loam	Silt Loam	Silty Clay Loam	Silty Clay Loam	Silty Clay Loam	Silt Loam	Silty Clay Loam	Sandy Silt Loam	Silt Loam	Silt Loam
TP/BH	WS169	WS169	WS169	WS169	WS169	WS120	WS120	WS121	WS121	WS122
Depth (m)	0.40	0.70	1.10	1.40	1.70	1.80	2.20	1.40	1.70	0.30
Our ref	25383	25385	25386	25387	25388	25391	25392	25398	25399	25401
<b>Aromatic</b>										
>EC <sub>5</sub> -EC <sub>7</sub> (mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>7</sub> -EC <sub>8</sub> (mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub> (mg/kg)	0.2	<0.1	<0.1	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	<0.1
>EC <sub>10</sub> -EC <sub>12</sub> (mg/kg)	1.5	<0.1	<0.1	<0.1	1.7	69.2	2.2	1.9	<0.1	<0.1
>EC <sub>12</sub> -EC <sub>16</sub> (mg/kg)	2.8	0.8	<0.1	0.1	3.1	98.3	40.5	6.7	2.8	0.3
>EC <sub>16</sub> -EC <sub>21</sub> (mg/kg)	2.9	6.8	<0.1	0.2	1.0	80.9	78.3	6.3	2.6	4.1
>EC <sub>21</sub> -EC <sub>35</sub> (mg/kg)	26.9	40.7	0.2	0.3	0.8	34.1	54.0	3.0	2.7	48.7
<b>Aliphatic</b>										
>EC <sub>5</sub> -EC <sub>6</sub> (mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>6</sub> -EC <sub>8</sub> (mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub> (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1
>EC <sub>10</sub> -EC <sub>12</sub> (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	17.7	2.4	0.7	<0.1	<0.1
>EC <sub>12</sub> -EC <sub>16</sub> (mg/kg)	<0.1	0.6	<0.1	<0.1	0.2	27.1	24.2	1.9	0.4	<0.1
>EC <sub>16</sub> -EC <sub>21</sub> (mg/kg)	2.1	2.8	<0.1	<0.1	0.3	17.3	23.9	1.3	<0.1	2.6
>EC <sub>21</sub> -EC <sub>35</sub> (mg/kg)	15.0	8.9	0.3	0.3	0.2	5.0	7.4	0.7	0.7	26.1
TPH (C <sub>5</sub> - C <sub>35</sub> ) (mg/kg)	51	61	<0.1	<0.1	7	350	233	22	9	82
Benzene** (µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Toluene** (µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Ethyl Benzene** (µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Xylenes** (µg/kg)	<10	<10	<10	<10	<10	17	<10	<10	<10	<10
MTBE (µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

All results expressed on dry weight basis

\*\* - MCERTS accredited test

Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55317A

Location: Paddock Wood, Former Halls Site



Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/14

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

### TPH CWG - Soil

Characteristic	Silt Loam	Sandy Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam
TP/BH	WS122	WS122	WS136A	WS136B	WS136C	WS164A	WS164B	WS164B	WS122
Depth (m)	3.00	1.90	0.30	0.30	0.30	0.30	0.30	0.30	3.00
Our ref	25406a	25404	25410	25412	25414	25444	25446	25446	25406b
<b>Aromatic</b>									
>EC <sub>5</sub> -EC <sub>7</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>7</sub> -EC <sub>8</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub>	(mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
>EC <sub>10</sub> -EC <sub>12</sub>	(mg/kg)	<0.1	11.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
>EC <sub>12</sub> -EC <sub>16</sub>	(mg/kg)	<0.1	203.7	0.2	<0.1	0.2	<0.1	0.2	<0.1
>EC <sub>16</sub> -EC <sub>21</sub>	(mg/kg)	<0.1	266.3	0.7	0.3	2.9	1.3	1.6	<0.1
>EC <sub>21</sub> -EC <sub>35</sub>	(mg/kg)	1.0	159.7	10.0	2.6	43.5	64.3	13.6	0.2
<b>Aliphatic</b>									
>EC <sub>5</sub> -EC <sub>6</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>6</sub> -EC <sub>8</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub>	(mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.7	<0.1
>EC <sub>10</sub> -EC <sub>12</sub>	(mg/kg)	<0.1	9.7	<0.1	<0.1	0.4	<0.1	0.4	<0.1
>EC <sub>12</sub> -EC <sub>16</sub>	(mg/kg)	<0.1	87.1	<0.1	<0.1	1.2	<0.1	0.3	<0.1
>EC <sub>16</sub> -EC <sub>21</sub>	(mg/kg)	<0.1	73.4	0.2	<0.1	2.5	0.7	0.6	<0.1
>EC <sub>21</sub> -EC <sub>35</sub>	(mg/kg)	0.8	29.0	4.4	0.8	20.6	49.4	7.7	0.3
TPH (C <sub>5</sub> - C <sub>35</sub> )	(mg/kg)	<0.1	841	16	<0.1	71	116	26	<0.1
Benzene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10
Toluene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10
Ethyl Benzene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10
Xylenes**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10
MTBE	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10

All results expressed on dry weight basis

\*\* - MCERTS accredited test

Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55317A**

Location: Paddock Wood, Former Halls Site



F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/14

## Asbestos Identification

Sample ref: **WS169**  
Depth (m) **1.10**  
Our ref: **25386**  
#Description of Sample Matrix: Silty Clay Loam  
\*Result No asbestos identified

Sample ref: **WS120**  
Depth (m) **0.20**  
Our ref: **25389**  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

Sample ref: **WS120**  
Depth (m) **3.00**  
Our ref: **25393**  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

Sample ref: **WS121**  
Depth (m) **0.30**  
Our ref: **25395**  
#Description of Sample Matrix: Silty Clay Loam  
\*Result No asbestos identified

\*= UKAS accredited

Analytical result only applies to the sample as submitted by the client

Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client

Stuart Ballard



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Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55317A**

Location: Paddock Wood, Former Halls Site



F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/14

## Asbestos Identification

Sample ref: **WS121**  
Depth (m) **1.20**  
Our ref: **25397**  
#Description of Sample Matrix: Silty Clay Loam  
\*Result No asbestos identified

Sample ref: **WS122**  
Depth (m) **0.30**  
Our ref: **25401**  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

Sample ref: **WS136A**  
Depth (m) **0.30**  
Our ref: **25410**  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

Sample ref: **WS136B**  
Depth (m) **0.30**  
Our ref: **25412**  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

\*= UKAS accredited

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Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55317A**

Location: Paddock Wood, Former Halls Site



F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/14

## Asbestos Identification

Sample ref:	WS136C
Depth (m)	0.30
Our ref:	25414
#Description of Sample Matrix:	Silt Loam
*Result	No asbestos identified

Sample ref:	WS164A
Depth (m)	0.30
Our ref:	25444
#Description of Sample Matrix:	Silt Loam
*Result	No asbestos identified

Sample ref:	WS164B
Depth (m)	0.30
Our ref:	25446
#Description of Sample Matrix:	Silt Loam
*Result	No asbestos identified

Sample ref:	WS164B
Depth (m)	0.20
Our ref:	25445
#Description of Sample Matrix:	Asbestos Cement
*Result	Chrysotile (White Asbestos)

\*= UKAS accredited

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Stuart Ballard





# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonard's on Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55317A

Location: Paddock Wood, Former Halls Site

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/14

### VOC ANALYSIS

Soils	Characteristic	Silty Clay	Silt Loam	Silt Loam	Silt Loam	Sandy Silt	Silt Loam
		Loam	WS120	WS121	WS121	Loam	WS122
	TP/BH	WS169	WS120	WS121	WS121	WS121	WS122
	Depth (m)	1.40	1.80	0.40	0.40	1.40	0.50
	Our ref	25387	25391	25396a	25396b	25398	25402
	Benzene**	(µg/kg)	<10	<10	<10	<10	<10
	Toluene**	(µg/kg)	<10	<10	<10	<10	<10
	Ethyl Benzene**	(µg/kg)	<10	<10	<10	<10	<10
	mpXylene**	(µg/kg)	<10	<10	<10	<10	<10
	oXylene**	(µg/kg)	<10	<10	<10	<10	<10
	1, 2-Dichloroethene-cis**	(µg/kg)	<10	<10	<10	<10	<10
	1, 1-Dichloroethane**	(µg/kg)	<10	<10	<10	<10	<10
	Chloroform**	(µg/kg)	<10	<10	<10	<10	<10
	Carbontetrachloride**	(µg/kg)	<10	<10	<10	<10	<10
	1, 1, 1-Trichloroethane**	(µg/kg)	<10	<10	<10	<10	<10
	Trichloroethylene**	(µg/kg)	<10	<10	<10	<10	<10
	Tetrachloroethylene**	(µg/kg)	<10	<10	<10	<10	<10
	1, 1, 1, 2-Tetrachloroethane**	(µg/kg)	<10	<10	<10	<10	<10
	1, 1, 2, 2-Tetrachloroethane**	(µg/kg)	<10	<10	<10	<10	<10
	Chlorobenzene**	(µg/kg)	<10	<10	<10	<10	<10
	Bromobenzene**	(µg/kg)	<10	<10	<10	<10	<10
	Bromodichloromethane**	(µg/kg)	<10	<10	<10	<10	<10
	Methylethylbenzene**	(µg/kg)	<10	<10	<10	<10	<10
	1, 1-Dichloro-1-propene**	(µg/kg)	<10	<10	<10	<10	<10
	1, 2-Dichloroethene-trans	(µg/kg)	<10	<10	<10	<10	<10
	2, 2-Dichloropropane	(µg/kg)	<10	<10	<10	<10	<10
	Bromochloromethane	(µg/kg)	<10	<10	<10	<10	<10
	1, 2-Dichloroethane	(µg/kg)	<10	<10	<10	<10	<10
	Dibromomethane**	(µg/kg)	<10	<10	<10	<10	<10
	1, 2-Dichloropropane**	(µg/kg)	<10	<10	<10	<10	<10
	1, 3-Dichloro1propene**	(µg/kg)	<10	<10	<10	<10	<10
	1, 3-Dichloro1propene trans	(µg/kg)	<10	<10	<10	<10	<10
	1, 1, 2-Trichloroethane	(µg/kg)	<10	<10	<10	<10	<10
	Dibromochloromethane	(µg/kg)	<10	<10	<10	<10	<10
	1, 3-Dichloropropane	(µg/kg)	<10	<10	<10	<10	<10
	Dibromoethane**	(µg/kg)	<10	<10	<10	<10	<10
	Styrene	(µg/kg)	<10	<10	<10	<10	<10
	Propylbenzene	(µg/kg)	<10	<10	<10	<10	<10
	2-Chlorotoluene	(µg/kg)	<10	<10	<10	<10	<10
	1, 2, 4-Trimethylbenzene	(µg/kg)	<10	<10	<10	<10	<10
	4-Chlorotoluene	(µg/kg)	<10	<10	<10	<10	<10
	t-Butylbenzene	(µg/kg)	<10	<10	<10	<10	<10
	Trimethylbenzene	(µg/kg)	<10	<10	<10	<10	<10
	1-Methylpropylbenzene	(µg/kg)	<10	<10	<10	<10	<10
	o-Cymene	(µg/kg)	<10	<10	<10	<10	<10
	1, 4-Dichlorobenzene	(µg/kg)	<10	<10	<10	<10	<10
	Butylbenzene	(µg/kg)	<10	<10	<10	<10	<10
	1, 2-Dibromo-3-chloropropane	(µg/kg)	<10	<10	<10	<10	<10
	Hexachlorobutadiene	(µg/kg)	<10	<10	<10	<10	<10
	1, 2, 3-Trichlorobenzene	(µg/kg)	<10	<10	<10	<10	<10
	1, 2, 4-Trichlorobenzene	(µg/kg)	<10	<10	<10	<10	<10
	1, 3-Dichlorobenzene	(µg/kg)	<10	<10	<10	<10	<10
	1, 2-Dichlorobenzene	(µg/kg)	<10	<10	<10	<10	<10
	Bromoform	(µg/kg)	<10	<10	<10	<10	<10

\*\* - MCERTS accredited test

Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonard's on Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55317A

Location: Paddock Wood, Former Halls Site

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Reporting Date: 24/07/14

### VOC ANALYSIS

Soils	Characteristic	Sandy Silt	Sandy Silt	Sandy Silt	
		Loam	Loam	Loam	
	TP/BH	WS122	WS122	WS122	
	Depth (m)	0.80	1.40	1.90	
	Our ref	25407	25403	25404	
	Benzene**	(µg/kg)	<10	<10	<10
	Toluene**	(µg/kg)	<10	<10	<10
	Ethyl Benzene**	(µg/kg)	<10	<10	<10
	mpXylene**	(µg/kg)	<10	<10	<10
	oXylene**	(µg/kg)	<10	<10	<10
	1, 2-Dichloroethene-cis**	(µg/kg)	<10	<10	<10
	1, 1-Dichloroethane**	(µg/kg)	<10	<10	<10
	Chloroform**	(µg/kg)	<10	<10	<10
	Carbontetrachloride**	(µg/kg)	<10	<10	<10
	1, 1, 1-Trichloroethane**	(µg/kg)	<10	<10	<10
	Trichloroethylene**	(µg/kg)	<10	<10	<10
	Tetrachloroethylene**	(µg/kg)	<10	<10	<10
	1, 1, 1, 2-Tetrachloroethane**	(µg/kg)	<10	<10	<10
	1, 1, 2, 2-Tetrachloroethane**	(µg/kg)	<10	<10	<10
	Chlorobenzene**	(µg/kg)	<10	<10	<10
	Bromobenzene**	(µg/kg)	<10	<10	<10
	Bromodichloromethane**	(µg/kg)	<10	<10	<10
	Methylethylbenzene**	(µg/kg)	<10	<10	<10
	1, 1-Dichloro-1-propene**	(µg/kg)	<10	<10	<10
	1, 2-Dichloroethene-trans	(µg/kg)	<10	<10	<10
	2, 2-Dichloropropane	(µg/kg)	<10	<10	<10
	Bromochloromethane	(µg/kg)	<10	<10	<10
	1, 2-Dichloroethane	(µg/kg)	<10	<10	<10
	Dibromomethane**	(µg/kg)	<10	<10	<10
	1, 2-Dichloropropane**	(µg/kg)	<10	<10	<10
	1, 3-Dichloro1propene**	(µg/kg)	<10	<10	<10
	1, 3-Dichloro1propene trans	(µg/kg)	<10	<10	<10
	1, 1, 2-Trichloroethane	(µg/kg)	<10	<10	<10
	Dibromochloromethane	(µg/kg)	<10	<10	<10
	1, 3-Dichloropropane	(µg/kg)	<10	<10	<10
	Dibromoethane**	(µg/kg)	<10	<10	<10
	Styrene	(µg/kg)	<10	<10	<10
	Propylbenzene	(µg/kg)	<10	<10	<10
	2-Chlorotoluene	(µg/kg)	<10	<10	<10
	1, 2, 4-Trimethylbenzene	(µg/kg)	<10	<10	<10
	4-Chlorotoluene	(µg/kg)	<10	<10	<10
	t-Butylbenzene	(µg/kg)	<10	<10	<10
	Trimethylbenzene	(µg/kg)	<10	<10	<10
	1-Methylpropylbenzene	(µg/kg)	<10	<10	<10
	o-Cymene	(µg/kg)	<10	<10	<10
	1, 4-Dichlorobenzene	(µg/kg)	<10	<10	<10
	Butylbenzene	(µg/kg)	<10	<10	<10
	1, 2-Dibromo-3-chloropropane	(µg/kg)	<10	<10	<10
	Hexachlorobutadiene	(µg/kg)	<10	<10	<10
	1, 2, 3-Trichlorobenzene	(µg/kg)	<10	<10	<10
	1, 2, 4-Trichlorobenzene	(µg/kg)	<10	<10	<10
	1, 3-Dichlorobenzene	(µg/kg)	<10	<10	<10
	1, 2-Dichlorobenzene	(µg/kg)	<10	<10	<10
	Bromoform	(µg/kg)	<10	<10	<10

\*\* - MCERTS accredited test

Stuart Ballard

# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55317A

Location: Paddock Wood, Former Halls Site

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/14

### SVOC ANALYSIS

<u>Soils</u>	TP/BH	WS169	WS121	WS136A	WS136B	WS136C
	Depth (m)	0.50	0.30	0.40	0.40	0.40
	Our ref	25384	25395	25411	25413	25415
Pyridine	(µg/kg)	<10	<10	<10	<10	<10
Aniline	(µg/kg)	<10	<10	<10	<10	<10
Phenol	(µg/kg)	37	35	58	<10	<10
Bis(2-chloroethyl) ether	(µg/kg)	<10	<10	<10	<10	<10
Benzene, 1,3-dichloro-	(µg/kg)	<10	<10	<10	<10	<10
Benzene, 1,4-dichloro-	(µg/kg)	<10	<10	<10	<10	<10
Benzene, 1,2-dichloro-	(µg/kg)	<10	<10	<10	<10	<10
Phenol, 2-methyl-	(µg/kg)	<10	<10	<10	<10	<10
Ethane, hexachloro-	(µg/kg)	<10	<10	<10	<10	<10
Phenol, 3-methyl-	(µg/kg)	<10	<10	<10	<10	<10
Nitrobenzene	(µg/kg)	<10	<10	<10	<10	<10
Isophorone	(µg/kg)	<10	<10	<10	<10	<10
Phenol, 2-nitro-	(µg/kg)	<10	<10	<10	<10	<10
Phenol, 2,4-dimethyl-	(µg/kg)	20	22	<10	<10	<10
Methane, bis(2-chloroethoxy)-	(µg/kg)	<10	<10	<10	<10	<10
Phenol, 2,4-dichloro-	(µg/kg)	<10	<10	<10	<10	<10
1,3,4-Trichlorobenzene,	(µg/kg)	<10	<10	<10	<10	<10
Naphthalene	(µg/kg)	---	---	---	---	---
4-Chloroaniline	(µg/kg)	<10	<10	<10	<10	<10
Hexachloro-1,3-butadiene	(µg/kg)	<10	<10	<10	<10	<10
Phenol, 4-chloro-3-methyl-	(µg/kg)	<10	<10	<10	<10	<10
Naphthalene, 2-methyl-	(µg/kg)	50	70	17	<10	16
Naphthalene, 1-methyl-	(µg/kg)	33	43	12	<10	15
Hexachlorocyclopentadiene	(µg/kg)	<10	<10	<10	<10	<10
Phenol, 2,4,6-trichloro-	(µg/kg)	<10	<10	<10	<10	<10
Phenol, 2,4,5-trichloro-	(µg/kg)	<10	<10	<10	<10	<10
Naphthalene, 2-chloro-	(µg/kg)	<10	<10	<10	<10	<10
2-Nitroaniline	(µg/kg)	<10	<10	<10	<10	<10
1,4-Dinitrobenzene,	(µg/kg)	<10	<10	<10	<10	<10
Dimethylphthalate	(µg/kg)	<10	<10	<10	<10	<10
Acenaphthylene	(µg/kg)	---	---	---	---	---
1,3-Dinitrobenzene	(µg/kg)	<10	<10	<10	<10	<10
3-Nitroaniline	(µg/kg)	<10	<10	<10	<10	<10
Acenaphthene	(µg/kg)	---	---	---	---	---
Dibenzofuran	(µg/kg)	42	61	<10	<10	<10
2,4-Dinitrotoluene	(µg/kg)	<10	<10	<10	<10	<10
2,3,4,6-Tetrachlorophenol,	(µg/kg)	<10	<10	<10	<10	<10
2,3,5,6-Tetrachlorophenol,	(µg/kg)	<10	<10	<10	<10	<10
Diethylphthalate	(µg/kg)	<10	<10	20	<10	21
Fluorene	(µg/kg)	---	---	---	---	---
Diphenylamine	(µg/kg)	<10	<10	<10	<10	<10
Azobenzene	(µg/kg)	<10	<10	<10	<10	<10
4-Bromophenyl phenyl ether	(µg/kg)	<10	<10	<10	<10	<10
Hexachlorobenzene	(µg/kg)	<10	<10	<10	<10	<10
Pentachlorophenol	(µg/kg)	<10	<10	<10	<10	<10
Phenanthrene	(µg/kg)	---	---	---	---	---
Anthracene	(µg/kg)	---	---	---	---	---
Fluoranthene	(µg/kg)	---	---	---	---	---
Pyrene	(µg/kg)	---	---	---	---	---
Benzylbutylphthalate	(µg/kg)	<10	<10	<10	<10	<10
Bis(2-ethylhexyl)adipate	(µg/kg)	<10	<10	<10	<10	<10
Benzo(a)anthracene	(µg/kg)	---	---	---	---	---
Chrysene	(µg/kg)	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	(µg/kg)	<10	<10	<10	<10	<10
Benzo(b)fluoranthene	(µg/kg)	---	---	---	---	---
Benzo(k)fluoranthene	(µg/kg)	---	---	---	---	---
Benzo(a)pyrene	(µg/kg)	---	---	---	---	---
Indeno[1,2,3-cd]pyrene	(µg/kg)	---	---	---	---	---
Dibenz(ah)anthracene	(µg/kg)	---	---	---	---	---
Benzo(ghi)perylene	(µg/kg)	---	---	---	---	---



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55317A

Location: Paddock Wood, Former Halls Site

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO 2481  
Reporting Date: 24/07/14

### Organo-Chlorine Pesticides

Characteristic		Silt Loam	Sandy Silt Loam
Date Sampled		---	---
TP/BH		WS120	WS121
Depth (m)		1.80	1.40
Our ref		25391	25398
Alpha BHC**	(µg/kg)	<100	<100
Beta BHC**	(µg/kg)	<100	<100
Gamma BHC**	(µg/kg)	<100	<100
Delta BHC**	(µg/kg)	<100	<100
Heptachlor	(µg/kg)	<100	<100
Aldrin**	(µg/kg)	<100	<100
Heptachlor epoxide	(µg/kg)	<100	<100
Chlordane	(µg/kg)	<100	<100
Endosulfan I	(µg/kg)	<100	<100
cis-Chlordane	(µg/kg)	<100	<100
pp-DDE**	(µg/kg)	<100	<100
Dieldrin**	(µg/kg)	<100	<100
Endrin	(µg/kg)	<100	<100
pp-DDD**	(µg/kg)	<100	<100
Endrin Aldehyde	(µg/kg)	<100	<100
pp DDT**	(µg/kg)	<100	<100
Endosulfan II	(µg/kg)	<100	<100
Endrin Ketone	(µg/kg)	<100	<100
pp-Methoxychlor	(µg/kg)	<100	<100

### Organo-Phosphorus Pesticides

Characteristic		Silt Loam	Sandy Silt Loam
Date Sampled		---	---
TP/BH		WS120	WS121
Depth (m)		1.80	1.40
Our ref		25391	25398
Mthamidophos	(µg/kg)	<100	<100
Dichlorus	(µg/kg)	<100	<100
Acephate	(µg/kg)	<100	<100
Omethoate	(µg/kg)	<100	<100
Demeton-S Methyl	(µg/kg)	<100	<100
Dimethoate	(µg/kg)	<100	<100
Tolclofos	(µg/kg)	<100	<100
Primifos Methyl	(µg/kg)	<100	<100
Malathion	(µg/kg)	<100	<100
Chlorpyrifos	(µg/kg)	<100	<100
Methidathion	(µg/kg)	<100	<100
Tokuthion	(µg/kg)	<100	<100
Profenofos	(µg/kg)	<100	<100
Ethion	(µg/kg)	<100	<100
Aziniphos-Methyl	(µg/kg)	<100	<100
Pyrazophos	(µg/kg)	<100	<100

All results expressed on dry weight basis

\*\* - MCERTS accredited test

Stuart Ballard



Unit A2  
Windmill Road  
Ponswood Industrial Estate  
St Leonards on Sea  
East Sussex  
TN38 9BY  
Telephone (01424) 718618  
Facsimile (01424) 729911

## THE ENVIRONMENTAL LABORATORY LTD

### SAMPLE RECEIPT AND TEST DATES

Our Analytical Report Number      55317A  
Your Job No:                                LP00762  
Sample Receipt Date:                    09/07/14  
Reporting Date:                            24/07/14

Registered:                                 09/07/14  
Prepared:                                    10/07/14  
Analysis complete:                        24/07/14

### TEST METHOD SUMMARY

PARAMETER	Analysis Undertaken on	Date Tested	Method Number	Technique
Arsenic**	Air dried sample	14/07/14	118	ICPMS
Cadmium**	Air dried sample	14/07/14	118	ICPMS
Chromium**	Air dried sample	14/07/14	118	ICPMS
Lead**	Air dried sample	14/07/14	118	ICPMS
Mercury**	Air dried sample	14/07/14	118	ICPMS
Nickel**	Air dried sample	14/07/14	118	ICPMS
Copper**	Air dried sample	14/07/14	118	ICPMS
Zinc**	Air dried sample	14/07/14	118	ICPMS
Selenium**	Air dried sample	14/07/14	118	ICPMS
Hexavalent Chromium	As submitted sample	10/07/14	110	Colorimetry
pH Value**	Air dried sample	14/07/14	113	Probe
Total Sulphate	Air dried sample	14/07/14	208	Colorimetry
Total Cyanide**	As submitted sample	10/07/14	204	Automated Flow Digital Colorimetry
Free Cyanide	As submitted sample	10/07/14	107	Colorimetry
Sulphide	As submitted sample	11/07/14	109	Colorimetry
Total Monohydric Phenols***	As submitted sample	10/07/14	121	HPLC
Total Organic Carbon	Air dried sample	15/07/14		
Total Chloride		14/07/14		
Speciated PAH (16)**	As submitted sample	10/07/14	133	Gas Chromatography
Carbon Banding (TPH)	As submitted sample	10/07/14	214	Gas chromatography
BTEX**	As submitted sample	10/07/14	181	GCMS
VOC**	As submitted sample	10/07/14	181	GCMS
SVOC	As submitted sample	10/07/14	167	GCMS
Organo Chlorine Pesticides**	As submitted sample	10/07/14	173	GCMS
Organo Phosphorus Pesticides	As submitted sample	10/07/14	173	GCMS
Asbestos*	As submitted sample	11/07/14	179	See note

Asbestos analysis qualitative only

Note:- Documented In-house procedure based on HSG 248 2005

\* = UKAS Accredited test

\*\* - MCERTS Accredited test

Determinands not marked with \* or \*\* are not accredited

MCERTS accreditation covers samples which are predominantly sand, clay, loam or combinations of these three soil types

All results have been expressed on a dry weight basis and where appropriate have been corrected for moisture and stone content accordingly

Any comments, opinions, or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)



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Unit A2  
Windmill Road  
Ponswood Industrial Estate  
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## THE ENVIRONMENTAL LABORATORY LTD

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F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Reporting Date: 05 August 2014

### ANALYTICAL REPORT No. 55346A

**Samples Received By:** Laboratory Courier  
**Sample Receipt Date:** 10/07/14  
**Your Job No:** LP00762  
**Your Order No:** LPO2481  
**Site Location:** Paddock Wood, Former Halls Site  
**ELAB Sales Order:** 55282  
**No Samples Received:** 20  
**Date of Sampling:** ---

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*This report was written by:* Stuart Ballard

Authorised By;

John Wilson  
Project & Business Development  
Manager (CChem, MRSC)

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Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

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# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55346A

Location: Paddock Wood, Former Halls Site



Your Job No: LP00762  
 Your Order No: LPO2481  
 Reporting Date: 05/08/14

F.A.O. Darren Beesley  
 Leap Environmental Ltd.  
 The Atrium, Curtis Road  
 Dorking, Surrey  
 RH4 1XA

Characteristic	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Sandy Silt Loam	Silt Loam	Silt Loam	Silt Loam
<b>Soils</b>								
Date Sampled	--	--	--	--	--	--	--	--
TP/BH	WS169	WS137A	WS157B	WS137A	WS137B	WS143	WS144	WS144
Depth (m)	0.40	0.30	0.30	0.40	0.40	0.70	0.01	0.40
Our ref	25383	25416	25419	25417	25420	25426	25430	25431
Stone Content (%)	<1	26	21	27	52	<1	20	21
Arsenic** (mg/kg)	16.3	13.7	13.0	13.3	5.7	13.8	9.9	11.4
Cadmium** (mg/kg)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium** (mg/kg)	34	23	20	18	8	25	15	17
Lead** (mg/kg)	39	94	88	67	36	78	31	37
Mercury** (mg/kg)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Nickel** (mg/kg)	26	17	16	17	6	15	12	13
Copper** (mg/kg)	27	27	56	18	9	30	11	15
Zinc** (mg/kg)	105	125	109	83	49	109	44	87
Selenium** (mg/kg)	<1	<1	<1	<1	<1	<1	<1	<1
Hexavalent Chromium (mg/kg)	<2	<2	<2	<2	<2	<2	<2	<2
pH Value** (Units)	9.0	9.0	8.3	8.1	8.3	7.4	6.3	7.4
Total Sulphate (% as SO <sub>4</sub> )	0.26	0.18	0.20	0.13	0.09	0.18	0.14	0.13
Total Cyanide** (mg/kg)	<5	<5	<5	<5	<5	<5	<5	<5
Free Cyanide (mg/kg)	<5	<5	<5	<5	<5	<5	<5	<5
Sulphide (mg/kg)	2.8	3.6	4.6	<2	<2	<2	<2	<2
Total Monohydric Phenols*** (mg/kg)	<1	<1	<1	<1	<1	<1	<1	<1
Total Organic Carbon (%)	1.2	1.6	1.2	0.7	0.2	1.2	1.1	1.4
Total Chloride (%)	0.04	0.01	0.05	0.04	0.02	0.05	0.04	0.04

All results expressed on dry weight basis

\*\* - MCERTS accredited test

\* - UKAS accredited test

\*\*\* - Sum of Phenol, 2, 3, 5-Trimethylphenol, 2, 3-Dimethylphenol, 3, 4-Dimethylphenol, Resorcinol/Catechol, o-Cresol, m, p-Cresol & Napthol



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55346A

Location: Paddock Wood, Former Halls Site



Your Job No: LP00762  
 Your Order No: LPO2481  
 Reporting Date: 05/08/14

F.A.O. Darren Beesley  
 Leap Environmental Ltd.  
 The Atrium, Curtis Road  
 Dorking, Surrey  
 RH4 1XA

Characteristic	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Sandy Silt Loam	Silt Loam	Silt Loam	Silt Loam
<b>Soils</b>								
Date Sampled	--	--	--	--	--	--	--	--
TP/BH	WS169	WS137A	WS157B	WS137A	WS137B	WS143	WS144	WS144
Depth (m)	0.40	0.30	0.30	0.40	0.40	0.70	0.01	0.40
Our ref	25383	25416	25419	25417	25420	25426	25430	25431
Naphthalene** (mg/kg)	0.2	0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene** (mg/kg)	0.3	0.2	0.1	<0.1	0.1	0.2	<0.1	0.2
Acenaphthene** (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene** (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene** (mg/kg)	0.6	0.3	0.2	0.3	0.2	1.7	0.1	1.1
Anthracene** (mg/kg)	0.3	0.1	0.1	0.1	<0.1	0.4	<0.1	0.3
Fluoranthene** (mg/kg)	1.7	1.0	0.7	1.0	0.5	4.6	0.5	3.4
Pyrene** (mg/kg)	1.6	0.9	0.6	0.9	0.5	3.8	0.4	2.9
Benz(a)anthracene** (mg/kg)	0.9	0.5	0.4	0.6	0.3	2.1	0.2	1.7
Chrysene** (mg/kg)	1.1	0.6	0.4	0.6	0.4	2.5	0.3	2.0
Benzo(b)fluoranthene** (mg/kg)	0.8	0.5	0.3	0.6	0.3	2.0	0.3	1.7
Benzo(k)fluoranthene** (mg/kg)	1.0	0.6	0.4	0.6	0.4	2.1	0.3	1.8
Benzo(a)pyrene** (mg/kg)	1.2	0.7	0.5	0.7	0.5	2.5	0.3	2.1
Indeno(123-cd)pyrene** (mg/kg)	0.6	0.4	<0.1	0.4	0.3	1.3	0.2	1.2
Dibenz(ah)anthracene** (mg/kg)	0.2	0.1	<0.1	0.1	<0.1	0.3	<0.1	0.4
Benzo(ghi)perylene** (mg/kg)	0.8	0.5	0.4	0.5	0.4	1.5	0.2	1.4
Total PAH (16)** (mg/kg)	11.3	6.5	4.2	6.5	3.8	25.1	2.7	20.0

All results expressed on dry weight basis

\*\* - MCERTS accredited test

Stuart Ballard





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# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55346A

Location: Paddock Wood, Former Halls Site



Your Job No: LP00762  
 Your Order No: LPO2481  
 Reporting Date: 05/08/14

F.A.O. Darren Beesley  
 Leap Environmental Ltd.  
 The Atrium, Curtis Road  
 Dorking, Surrey  
 RH4 1XA

### TPH CWG - Soil

Characteristic	Silt Loam	Silt Loam	Silt Loam	Silty Clay Loam	Silty Clay Loam	Clay Loam	Silty Clay Loam	Silt Loam	Silt Loam	Sandy Silt Loam
Date Sampled	---	---	---	---	---	---	---	---	---	---
TP/BH	WS132	WS134	WS135	WS165	WS138	WS138	WS150	WS148	WS137A	WS137B
Depth (m)	0.60	0.40	1.10	2.00	2.00	2.10	0.40	0.70	0.40	0.40
Our ref	25315	25326	25331	25337	25340	25341	25360	25375	25417	25420
<b>Aromatic</b>										
>EC <sub>5</sub> -EC <sub>7</sub> (mg/kg)	n/t	n/t	n/t	n/t	n/t	n/t	<0.01	n/t	<0.01	<0.01
>EC <sub>7</sub> -EC <sub>8</sub> (mg/kg)	n/t	n/t	n/t	n/t	n/t	n/t	<0.01	n/t	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub> (mg/kg)	n/t	n/t	n/t	n/t	n/t	n/t	<0.1	n/t	<0.1	<0.1
>EC <sub>10</sub> -EC <sub>12</sub> (mg/kg)	n/t	n/t	n/t	n/t	n/t	n/t	<0.1	n/t	<0.1	<0.1
>EC <sub>12</sub> -EC <sub>16</sub> (mg/kg)	n/t	n/t	n/t	n/t	n/t	n/t	<0.1	n/t	<0.1	<0.1
>EC <sub>16</sub> -EC <sub>21</sub> (mg/kg)	n/t	n/t	n/t	n/t	n/t	n/t	0.9	n/t	<0.1	<0.1
>EC <sub>21</sub> -EC <sub>35</sub> (mg/kg)	n/t	n/t	n/t	n/t	n/t	n/t	9.7	n/t	4.2	3.3
<b>Aliphatic</b>										
>EC <sub>5</sub> -EC <sub>6</sub> (mg/kg)	n/t	n/t	n/t	n/t	n/t	n/t	<0.01	n/t	<0.01	<0.01
>EC <sub>6</sub> -EC <sub>8</sub> (mg/kg)	n/t	n/t	n/t	n/t	n/t	n/t	<0.01	n/t	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub> (mg/kg)	n/t	n/t	n/t	n/t	n/t	n/t	<0.1	n/t	<0.1	<0.1
>EC <sub>10</sub> -EC <sub>12</sub> (mg/kg)	n/t	n/t	n/t	n/t	n/t	n/t	<0.1	n/t	<0.1	<0.1
>EC <sub>12</sub> -EC <sub>16</sub> (mg/kg)	n/t	n/t	n/t	n/t	n/t	n/t	<0.1	n/t	0.1	<0.1
>EC <sub>16</sub> -EC <sub>21</sub> (mg/kg)	n/t	n/t	n/t	n/t	n/t	n/t	0.2	n/t	0.3	0.3
>EC <sub>21</sub> -EC <sub>35</sub> (mg/kg)	n/t	n/t	n/t	n/t	n/t	n/t	1.0	n/t	2.3	2.2
TPH (C <sub>5</sub> - C <sub>35</sub> ) (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	12	<0.1	7	6
Benzene** (µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Toluene** (µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Ethyl Benzene** (µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Xylenes** (µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MTBE (µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

n/t = Not Tested

All results expressed on dry weight basis

\*\* - MCERTS accredited test

Stuart Ballard



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# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55346A

Location: Paddock Wood, Former Halls Site



Your Job No: LP00762  
 Your Order No: LPO2481  
 Reporting Date: 05/08/14

F.A.O. Darren Beesley  
 Leap Environmental Ltd.  
 The Atrium, Curtis Road  
 Dorking, Surrey  
 RH4 1XA

### TPH CWG - Soil

Characteristic	Loamy Sand	Silt Loam	Silty Clay Loam	Silt Loam
Date Sampled	---	---	---	---
TP/BH	WS143	WS143	WS144	WS144
Depth (m)	0.50	1.30	2.30	0.40
Our ref	25425	25429	25434	25431
<b>Aromatic</b>				
>EC <sub>5</sub> -EC <sub>7</sub>	(mg/kg) <0.01	n/t	<0.01	<0.01
>EC <sub>7</sub> -EC <sub>8</sub>	(mg/kg) <0.01	n/t	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub>	(mg/kg) 0.6	n/t	0.6	0.8
>EC <sub>10</sub> -EC <sub>12</sub>	(mg/kg) 0.2	n/t	0.2	0.2
>EC <sub>12</sub> -EC <sub>16</sub>	(mg/kg) <0.1	n/t	<0.1	<0.1
>EC <sub>16</sub> -EC <sub>21</sub>	(mg/kg) 1.2	n/t	<0.1	<0.1
>EC <sub>21</sub> -EC <sub>35</sub>	(mg/kg) 11.9	n/t	5.5	7.6
<b>Aliphatic</b>				
>EC <sub>5</sub> -EC <sub>6</sub>	(mg/kg) <0.01	n/t	<0.01	<0.01
>EC <sub>6</sub> -EC <sub>8</sub>	(mg/kg) <0.01	n/t	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub>	(mg/kg) <0.1	n/t	0.1	<0.1
>EC <sub>10</sub> -EC <sub>12</sub>	(mg/kg) <0.1	n/t	<0.1	<0.1
>EC <sub>12</sub> -EC <sub>16</sub>	(mg/kg) <0.1	n/t	<0.1	<0.1
>EC <sub>16</sub> -EC <sub>21</sub>	(mg/kg) 0.2	n/t	<0.1	0.2
>EC <sub>21</sub> -EC <sub>35</sub>	(mg/kg) 0.8	n/t	1.8	2.2
TPH (C <sub>5</sub> - C <sub>35</sub> )	(mg/kg) 15	<0.1	8	11
Benzene**	(µg/kg) <10	<10	<10	<10
Toluene**	(µg/kg) <10	<10	<10	<10
Ethyl Benzene**	(µg/kg) <10	<10	<10	<10
Xylenes**	(µg/kg) <10	<10	<10	<10
MTBE	(µg/kg) <10	<10	<10	<10

n/t = Not Tested

All results expressed on dry weight basis

\*\* - MCERTS accredited test

Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonard's on Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55346A**

Location: Paddock Wood, Former Halls Site

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LP02481  
Reporting Date: 05/08/14

## VOC ANALYSIS

### Soils

Characteristic	Silt Loam	Silt Loam	Silt Loam	Sandy Silt Loam	Silt Loam	Silt Loam
Date Sampled	---	---	---	---	---	---
TP/BH	WS137A	WS157B	WS137A	WS137B	WS143	WS144
Depth (m)	0.30	0.30	0.40	0.40	1.30	0.40
Our ref	25416	25419	25417	25420	25429	25431
Benzenes**	<10	<10	<10	<10	<10	<10
Toluene**	<10	<10	<10	<10	<10	<10
Ethyl Benzene**	<10	<10	<10	<10	<10	<10
mpXylene**	<10	<10	<10	<10	<10	<10
oXylene**	<10	<10	<10	<10	<10	<10
1, 2-Dichloroethene-cis**	<10	<10	<10	<10	<10	<10
1, 1-Dichloroethane**	<10	<10	<10	<10	<10	<10
Chloroform**	<10	<10	<10	<10	<10	<10
Carbontetrachloride**	<10	<10	<10	<10	<10	<10
1, 1, 1-Trichloroethane**	<10	<10	<10	<10	<10	<10
Trichloroethylene**	<10	<10	<10	<10	<10	<10
Tetrachloroethylene**	<10	<10	<10	<10	<10	<10
1, 1, 1, 2-Tetrachloroethane**	<10	<10	<10	<10	<10	<10
1, 1, 2, 2-Tetrachloroethane**	<10	<10	<10	<10	<10	<10
Chlorobenzene**	<10	<10	<10	<10	<10	<10
Bromobenzene**	<10	<10	<10	<10	<10	<10
Bromodichloromethane**	<10	<10	<10	<10	<10	<10
Methylethylbenzene**	<10	<10	<10	<10	<10	<10
1, 1-Dichloro-1-propene**	<10	<10	<10	<10	<10	<10
1, 2-Dichloroethene-trans	<10	<10	<10	<10	<10	<10
2, 2-Dichloropropane	<10	<10	<10	<10	<10	<10
Bromochloromethane	<10	<10	<10	<10	<10	<10
1, 2-Dichloroethane	<10	<10	<10	<10	<10	<10
Dibromomethane**	<10	<10	<10	<10	<10	<10
1, 2-Dichloropropane**	<10	<10	<10	<10	<10	<10
1, 3-Dichloro1propene**	<10	<10	<10	<10	<10	<10
1, 3-Dichloro1propene trans	<10	<10	<10	<10	<10	<10
1, 1, 2-Trichloroethane	<10	<10	<10	<10	<10	<10
Dibromochloromethane	<10	<10	<10	<10	<10	<10
1, 3-Dichloropropane	<10	<10	<10	<10	<10	<10
Dibromoethane**	<10	<10	<10	<10	<10	<10
Styrene	<10	<10	<10	<10	<10	<10
Propylbenzene	<10	<10	<10	<10	<10	<10
2-Chlorotoluene	<10	<10	<10	<10	<10	<10
1, 2, 4-Trimethylbenzene	<10	<10	<10	<10	<10	<10
4-Chlorotoluene	<10	<10	<10	<10	<10	<10
t-Butylbenzene	<10	<10	<10	<10	<10	<10
Trimethylbenzene	<10	<10	<10	<10	<10	<10
1-Methylpropylbenzene	<10	<10	<10	<10	<10	<10
o-Cymene	<10	<10	<10	<10	<10	<10
1, 4-Dichlorobenzene	<10	<10	<10	<10	<10	<10
Butylbenzene	<10	<10	<10	<10	<10	<10
1, 2-Dibromo-3-chloropropane	<10	<10	<10	<10	<10	<10
Hexachlorobutadiene	<10	<10	<10	<10	<10	<10
1, 2, 3-Trichlorobenzene	<10	<10	<10	<10	<10	<10
1, 2, 4-Trichlorobenzene	<10	<10	<10	<10	<10	<10
1, 3-Dichlorobenzene	<10	<10	<10	<10	<10	<10
1, 2-Dichlorobenzene	<10	<10	<10	<10	<10	<10
Bromoform	<10	<10	<10	<10	<10	<10

\*\* - MCERTS accredited test

Stuart Ballard

# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55346A

Location: Paddock Wood, Former Halls Site

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LPO2481  
Reporting Date: 05/08/14

### SVOC ANALYSIS

Soils	TP/BH	WS137A	WS157B	WS137A	WS137B	WS143	WS144
	Depth (m)	0.30	0.30	0.40	0.40	0.40	0.40
	Our ref	25416	25419	25417	25420	25424	25431
Pyridine	(µg/kg)	<10	<10	<10	<10	<10	<10
Aniline	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol	(µg/kg)	<10	<10	<10	<10	<10	<10
Bis(2-chloroethyl) ether	(µg/kg)	<10	<10	<10	<10	<10	<10
Benzene, 1,3-dichloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
Benzene, 1,4-dichloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
Benzene, 1,2-dichloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 2-methyl-	(µg/kg)	<10	<10	<10	<10	<10	<10
Ethane, hexachloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 3-methyl-	(µg/kg)	<10	<10	<10	<10	<10	<10
Nitrobenzene	(µg/kg)	<10	<10	<10	<10	<10	<10
Isophorone	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 2-nitro-	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 2,4-dimethyl-	(µg/kg)	<10	<10	<10	<10	<10	<10
Methane, bis(2-chloroethoxy)-	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 2,4-dichloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
1,3,4-Trichlorobenzene,	(µg/kg)	<10	<10	<10	<10	<10	<10
Naphthalene	(µg/kg)	—	—	—	—	—	—
4-Chloroaniline	(µg/kg)	55	<10	<10	<10	<10	<10
Hexachloro-1,3-butadiene	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 4-chloro-3-methyl-	(µg/kg)	<10	<10	<10	<10	<10	<10
Naphthalene, 2-methyl-	(µg/kg)	48	59	64	26	28	27
Naphthalene, 1-methyl-	(µg/kg)	30	28	38	15	21	19
Hexachlorocyclopentadiene	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 2,4,6-trichloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenol, 2,4,5-trichloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
Naphthalene, 2-chloro-	(µg/kg)	<10	<10	<10	<10	<10	<10
2-Nitroaniline	(µg/kg)	<10	<10	<10	<10	<10	<10
1,4-Dinitrobenzene,	(µg/kg)	<10	<10	<10	<10	<10	<10
Dimethylphthalate	(µg/kg)	<10	<10	<10	<10	<10	<10
Acenaphthylene	(µg/kg)	—	—	—	—	—	—
1,3-Dinitrobenzene	(µg/kg)	<10	<10	<10	<10	<10	<10
3-Nitroaniline	(µg/kg)	<10	<10	<10	<10	<10	<10
Acenaphthene	(µg/kg)	—	—	—	—	—	—
Dibenzofuran	(µg/kg)	32	43	35	21	38	37
2,4-Dinitrotoluene	(µg/kg)	<10	<10	<10	<10	<10	<10
2,3,4,6-Tetrachlorophenol,	(µg/kg)	<10	<10	<10	<10	<10	<10
2,3,5,6-Tetrachlorophenol,	(µg/kg)	<10	<10	<10	<10	<10	<10
Diethylphthalate	(µg/kg)	<10	<10	<10	<10	<10	<10
Fluorene	(µg/kg)	—	—	—	—	—	—
Diphenylamine	(µg/kg)	<10	<10	<10	<10	<10	<10
Azobenzene	(µg/kg)	<10	<10	<10	<10	<10	<10
4-Bromophenyl phenyl ether	(µg/kg)	<10	<10	<10	<10	<10	<10
Hexachlorobenzene	(µg/kg)	<10	<10	<10	<10	<10	<10
Pentachlorophenol	(µg/kg)	<10	<10	<10	<10	<10	<10
Phenanthrene	(µg/kg)	—	—	—	—	—	—
Anthracene	(µg/kg)	—	—	—	—	—	—
Fluoranthene	(µg/kg)	—	—	—	—	—	—
Pyrene	(µg/kg)	—	—	—	—	—	—
Benzylbutylphthalate	(µg/kg)	<10	<10	<10	<10	<10	<10
Bis(2-ethylhexyl)adipate	(µg/kg)	<10	<10	<10	<10	<10	<10
Benzo(a)anthracene	(µg/kg)	—	—	—	—	—	—
Chrysene	(µg/kg)	—	—	—	—	—	—
Bis(2-ethylhexyl)phthalate	(µg/kg)	<10	<10	<10	<10	<10	<10
Benzo(b)fluoranthene	(µg/kg)	—	—	—	—	—	—
Benzo(k)fluoranthene	(µg/kg)	—	—	—	—	—	—
Benzo(a)pyrene	(µg/kg)	—	—	—	—	—	—
Indeno[1,2,3-cd]pyrene	(µg/kg)	—	—	—	—	—	—
Dibenz(ah)anthracene	(µg/kg)	—	—	—	—	—	—
Benzo(ghi)perylene	(µg/kg)	—	—	—	—	—	—



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55346A**

Location: Paddock Wood, Former Halls Site

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LP02481  
Reporting Date: 05/08/2014

## Organo-Chlorine Pesticides

Characteristic		Silt Loam
Date Sampled		---
TP/BH		WS144
Depth (m)		0.40
Our ref		25431
Alpha BHC**	(µg/kg)	<10
Beta BHC**	(µg/kg)	<10
Gamma BHC**	(µg/kg)	<10
Delta BHC**	(µg/kg)	<10
Heptachlor	(µg/kg)	<10
Aldrin**	(µg/kg)	<10
Heptachlor epoxide	(µg/kg)	<10
Chlordane	(µg/kg)	<10
Endosulfan I	(µg/kg)	<10
cis-Chlordane	(µg/kg)	<10
pp-DDE**	(µg/kg)	<10
Dieldrin**	(µg/kg)	<10
Endrin	(µg/kg)	<10
pp-DDD**	(µg/kg)	<10
Endrin Aldehyde	(µg/kg)	<10
pp DDT**	(µg/kg)	<10
Endosulfan II	(µg/kg)	<10
Endrin Ketone	(µg/kg)	<10
pp-Methoxychlor	(µg/kg)	<10

## Organo-Phosphorus Pesticides

Characteristic		Silt Loam
Date Sampled		---
TP/BH		WS144
Depth (m)		0.40
Our ref		25431
Mthamidophos	(µg/kg)	<100
Dichloros	(µg/kg)	<100
Acephate	(µg/kg)	<100
Omethoate	(µg/kg)	<100
Demeton-S Methyl	(µg/kg)	<100
Dimethoate	(µg/kg)	<100
Tolclofos	(µg/kg)	<100
Primifos Methyl	(µg/kg)	<100
Malathion	(µg/kg)	<100
Chlorpyrifos	(µg/kg)	<100
Methidathion	(µg/kg)	<100
Tokuthion	(µg/kg)	<100
Profenofos	(µg/kg)	<100
Ethion	(µg/kg)	<100
Aziniphos-Methyl	(µg/kg)	<100
Pyrazophos	(µg/kg)	<100

All results expressed on dry weight basis

\*\* - MCERTS accredited test

Stuart Ballard



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Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55346A**

Location: Paddock Wood, Former Halls Site



F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LP02481  
Reporting Date: 05/08/14

## Asbestos Identification

Sample ref: **WS169**  
Depth (m) **0.40**  
Our ref: **25383**  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

Sample ref: **WS137A**  
Depth (m) **0.30**  
Our ref: **25416**  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

Sample ref: **WS157B**  
Depth (m) **0.30**  
Our ref: **25419**  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

Sample ref: **WS137A**  
Depth (m) **0.40**  
Our ref: **25417**  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

\*= UKAS accredited

Analytical result only applies to the sample as submitted by the client

Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client

Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55346A**

Location: Paddock Wood, Former Halls Site



F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP00762  
Your Order No: LP02481  
Reporting Date: 05/08/14

## Asbestos Identification

Sample ref:	WS137B
Depth (m)	0.40
Our ref:	25420
#Description of Sample Matrix:	Sandy Silt Loam
*Result	No asbestos identified

Sample ref:	WS143
Depth (m)	0.70
Our ref:	25426
#Description of Sample Matrix:	Silt Loam
*Result	No asbestos identified

Sample ref:	WS144
Depth (m)	0.01
Our ref:	25430
#Description of Sample Matrix:	Silt Loam
*Result	No asbestos identified

Sample ref:	WS144
Depth (m)	0.40
Our ref:	25431
#Description of Sample Matrix:	Silt Loam
*Result	No asbestos identified

\*= UKAS accredited

Analytical result only applies to the sample as submitted by the client

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Stuart Ballard



Unit A2  
 Windmill Road  
 Ponswood Industrial Estate  
 St Leonards on Sea  
 East Sussex  
 TN38 9BY  
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## THE ENVIRONMENTAL LABORATORY LTD

### SAMPLE RECEIPT AND TEST DATES

Our Analytical Report Number      55346A  
 Your Job No:                              LP00762  
 Sample Receipt Date:                10/07/14  
 Reporting Date:                         05/08/14

Registered:                                10/07/14  
 Prepared:                                  11/07/14  
 Analysis complete:                    05/08/14

### TEST METHOD SUMMARY

PARAMETER	Analysis Undertaken on	Date Tested	Method Number	Technique
Arsenic**	Air dried sample	15/07/14	118	ICPMS
Cadmium**	Air dried sample	15/07/14	118	ICPMS
Chromium**	Air dried sample	15/07/14	118	ICPMS
Lead**	Air dried sample	15/07/14	118	ICPMS
Mercury**	Air dried sample	15/07/14	118	ICPMS
Nickel**	Air dried sample	15/07/14	118	ICPMS
Copper**	Air dried sample	15/07/14	118	ICPMS
Zinc**	Air dried sample	15/07/14	118	ICPMS
Selenium**	Air dried sample	15/07/14	118	ICPMS
Hexavalent Chromium	As submitted sample	11/07/14	110	Colorimetry
pH Value**	Air dried sample	16/07/14	113	Probe
Total Sulphate	Air dried sample	15/07/14	208	Colorimetry
Total Cyanide**	As submitted sample	11/07/14	204	Automated Flow Digital Colorimetry
Free Cyanide	As submitted sample	11/07/14	107	Colorimetry
Sulphide	As submitted sample	11/07/14	109	Colorimetry
Total Monohydric Phenols***	As submitted sample	11/07/14	121	HPLC
Total Organic Carbon	Air dried sample	15/07/14		
Total Chloride		09/07/14		
Speciated PAH (16)**	As submitted sample	11/07/14	133	Gas Chromatography
Carbon Banding (TPH)	As submitted sample	11/07/14	214	Gas chromatography
BTEX**	As submitted sample	11/07/14	181	GCMS
VOC**	As submitted sample	11/07/14	181	GCMS
SVOC	As submitted sample	11/07/14	167	GCMS
Organo Chlorine Pesticides**	As submitted sample	23/07/14	173	GCMS
Organo Phosphorus Pesticides	As submitted sample	23/07/14	173	GCMS
Asbestos*	As submitted sample	16/07/14	179	See note

Asbestos analysis qualitative only

Note:- Documented In-house procedure based on HSG 248 2005

\* = UKAS Accredited test

\*\* - MCERTS Accredited test

Determinands not marked with \* or \*\* are not accredited

MCERTS accreditation covers samples which are predominantly sand, clay, loam or combinations of these three soil types

All results have been expressed on a dry weight basis and where appropriate have been corrected for moisture and stone content accordingly

Any comments, opinions, or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)





2683



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## THE ENVIRONMENTAL LABORATORY LTD

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F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Reporting Date: 24 July 2014

### ANALYTICAL REPORT No. 55347A

**Samples Received By:** Laboratory Courier  
**Sample Receipt Date:** 10/07/14  
**Your Job No:** LP762  
**Your Order No:** LPO  
**Site Location:** Paddock Wood, Former Halls Site  
**ELAB Sales Order:** 55282  
**No Samples Received:** 72  
**Date of Sampling:** ---

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*This report was written by:* Stuart Ballard

Authorised By;

John Wilson  
Project & Business Development  
Manager (CChem, MRSC)

---

Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

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# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55347A

Location: Paddock Wood, Former Halls Site



Your Job No: LP762  
 Your Order No: LPO  
 Reporting Date: 24/07/14

**F.A.O. Darren Beesley**  
**Leap Environmental Ltd.**  
**The Atrium, Curtis Road**  
**Dorking, Surrey**  
**RH4 1XA**

Characteristic	Silt Loam	Silt Loam	Loamy Sand	Silt Loam	Sandy Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam
TP/BH	WS151	WS151	WS152	WS153	WS153	WS153	WS154	WS155B	WS155B	WS156	
Depth (m)	0.30	0.70	0.30	0.20	0.50	2.60	0.30	0.20	0.40	0.10	
Our ref	25848	25850	25852	25856	25857	25859	25860a	25862	25863	25864	
Stone Content (%)	<1	10	18	<1	10	<1	<1	<1	<1	<1	
Arsenic** (mg/kg)	15.8	18.1	13.2	18.9	15.6	19.9	19.8	20.4	18.6	18.7	
Cadmium** (mg/kg)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Chromium** (mg/kg)	28	29	26	32	25	28	27	32	33	27	
Lead** (mg/kg)	34	134	18	64	56	22	53	82	123	49	
Mercury** (mg/kg)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.8	<0.5	
Nickel** (mg/kg)	25	21	34	25	29	34	29	23	24	17	
Copper** (mg/kg)	25	31	10	32	21	23	34	31	39	24	
Zinc** (mg/kg)	83	122	46	198	112	86	107	102	172	93	
Selenium** (mg/kg)	1.6	1.5	<1	<1	<1	<1	<1	<1	<1	1.8	
Hexavalent Chromium (mg/kg)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
pH Value** (Units)	6.9	7.0	8.1	7.2	7.9	7.5	7.2	7.1	7.4	6.9	
Total Sulphate (% as SO <sub>4</sub> )	0.20	0.17	0.07	0.16	0.09	0.15	0.22	0.23	0.19	0.21	
Total Cyanide** (mg/kg)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	
Free Cyanide (mg/kg)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	
Sulphide (mg/kg)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
Total Monohydric Phenols*** (mg/kg)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Total Organic Carbon (%)	0.6	4.6	0.2	0.8	1.0	0.3	1.2	1.1	1.3	3.0	
Total Chloride (%)	<0.01	<0.01	<0.01	0.02	0.05	0.03	0.01	0.02	0.04	<0.01	

All results expressed on dry weight basis

\*\* - MCERTS accredited test

\* - UKAS accredited test

\*\*\* - Sum of Phenol, 2, 3, 5,-Trimethylphenol, 2, 3,-Dimethylphenol, 3, 4-Dimethylphenol, Resorcinol/Catechol, o-Cresol, m, p-Cresol & Naphthol

Stuart Ballard



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Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55347A

Location: Paddock Wood, Former Halls Site



Your Job No: LP762  
 Your Order No: LPO  
 Reporting Date: 24/07/14

**F.A.O. Darren Beesley**  
**Leap Environmental Ltd.**  
**The Atrium, Curtis Road**  
**Dorking, Surrey**  
**RH4 1XA**

Characteristic	Silt Loam	Silt Loam	Sandy Silt Loam	Silt Loam	Silt Loam	Sandy Silt Loam	Silt Loam	Sandy Silt Loam
TP/BH	WS156	WS157	WS158	WS159	WS159	WS161	WS168	WS168
Depth (m)	2.50	0.05	0.40	0.05	0.30	0.50	0.10	2.00
Our ref	25866	25867	25873a	25877	25878	25884	25887	25890
Stone Content (%)	<1	<1	23	<1	13	6	<1	9
Arsenic** (mg/kg)	18.0	17.9	17.2	17.3	17.8	14.1	25.9	22.1
Cadmium** (mg/kg)	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium** (mg/kg)	38	30	22	29	22	32	36	29
Lead** (mg/kg)	25	42	55	67	38	21	111	17
Mercury** (mg/kg)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.3	<0.5
Nickel** (mg/kg)	33	20	25	19	23	24	16	33
Copper** (mg/kg)	28	22	21	27	29	12	34	21
Zinc** (mg/kg)	89	85	281	121	173	84	100	74
Selenium** (mg/kg)	<1	<1	<1	1.7	<1	<1	1.5	<1
Hexavalent Chromium (mg/kg)	<2	<2	<2	<2	<2	<2	<2	<2
pH Value** (Units)	7.3	8.9	9.9	7.0	7.2	7.4	6.7	7.1
Total Sulphate (% as SO4)	0.17	0.24	0.14	0.20	0.12	0.10	0.15	0.18
Total Cyanide** (mg/kg)	<5	<5	<5	<5	<5	<5	<5	<5
Free Cyanide (mg/kg)	<5	<5	<5	<5	<5	<5	<5	<5
Sulphide (mg/kg)	<2	<2	<2	<2	<2	<2	<2	<2
Total Monohydric Phenols*** (mg/kg)	<1	<1	<1	<1	<1	<1	<1	<1
Total Organic Carbon (%)	0.3	1.4	3.4	3.1	3.6	0.3	1.5	0.1
Total Chloride (%)	0.03	0.02	<0.01	0.04	0.03	0.02	<0.01	0.05

All results expressed on dry weight basis

\*\* - MCERTS accredited test

\* = UKAS accredited test

Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY  
Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55347A

Location: Paddock Wood, Former Halls Site



Your Job No: LP762  
Your Order No: LPO  
Reporting Date: 24/07/14

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Characteristic	Silt Loam	Silt Loam	Loamy Sand	Silt Loam	Sandy Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Silt Loam
TP/BH	WS151	WS151	WS152	WS153	WS153	WS153	WS154	WS155B	WS155B	WS156
Depth (m)	0.30	0.70	0.30	0.20	0.50	2.60	0.30	0.20	0.40	0.10
Our ref	25848	25850	25852	25856	25857	25859	25860a	25862	25863	25864
Naphthalene** (mg/kg)	<0.1	1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene** (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1
Acenaphthene** (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene** (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene** (mg/kg)	<0.1	0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	0.7	<0.1
Anthracene** (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1
Fluoranthene** (mg/kg)	0.1	0.2	<0.1	0.3	0.2	<0.1	0.2	<0.1	2.1	0.2
Pyrene** (mg/kg)	0.1	0.1	<0.1	0.3	0.1	<0.1	0.2	<0.1	1.8	0.2
Benzo(a)anthracene** (mg/kg)	<0.1	0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	0.9	<0.1
Chrysene** (mg/kg)	<0.1	0.2	<0.1	0.2	0.1	<0.1	0.1	<0.1	1.2	0.2
Benzo(b)fluoranthene** (mg/kg)	<0.1	0.3	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	0.8	0.1
Benzo(k)fluoranthene** (mg/kg)	<0.1	0.3	<0.1	0.2	0.1	<0.1	0.1	<0.1	1.0	0.1
Benzo(a)pyrene** (mg/kg)	<0.1	0.3	<0.1	0.2	<0.1	<0.1	0.1	<0.1	1.1	0.2
Indeno(123-cd)pyrene** (mg/kg)	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.5	<0.1
Dibenz(ah)anthracene** (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1
Benzo(ghi)perylene** (mg/kg)	<0.1	0.3	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	0.7	0.1
Total PAH (16)** (mg/kg)	<0.1	3.2	<0.1	1.6	0.5	<0.1	0.8	<0.1	11.3	1.1

All results expressed on dry weight basis

\*\* - MCERTS accredited test

Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55347A

Location: Paddock Wood, Former Halls Site



Your Job No: LP762  
 Your Order No: LPO  
 Reporting Date: 24/07/14

F.A.O. Darren Beesley  
 Leap Environmental Ltd.  
 The Atrium, Curtis Road  
 Dorking, Surrey  
 RH4 1XA

Characteristic	Silt Loam	Silt Loam	Sandy Silt Loam	Silt Loam	Silt Loam	Sandy Silt Loam	Silt Loam	Sandy Silt Loam
TP/BH	WS156	WS157	WS158	WS159	WS159	WS161	WS168	WS168
Depth (m)	2.50	0.05	0.40	0.05	0.30	0.50	0.10	2.00
Our ref	25866	25867	25873a	25877	25878	25884	25887	25890
Naphthalene** (mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene** (mg/kg)	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1
Acenaphthene** (mg/kg)	<0.1	<0.1	<0.1	<0.1	0.5	<0.1	<0.1	<0.1
Fluorene** (mg/kg)	<0.1	<0.1	<0.1	<0.1	0.4	<0.1	<0.1	<0.1
Phenanthrene** (mg/kg)	<0.1	0.1	<0.1	0.1	5.4	<0.1	0.1	<0.1
Anthracene** (mg/kg)	<0.1	<0.1	<0.1	<0.1	1.8	<0.1	<0.1	<0.1
Fluoranthene** (mg/kg)	<0.1	0.5	0.3	0.3	15.6	<0.1	0.6	<0.1
Pyrene** (mg/kg)	<0.1	0.5	0.2	0.3	13.1	<0.1	0.5	<0.1
Benz(a)anthracene** (mg/kg)	<0.1	0.2	0.1	0.1	6.1	<0.1	0.3	<0.1
Chrysene** (mg/kg)	<0.1	0.4	0.2	0.2	5.4	<0.1	0.4	<0.1
Benzo(b)fluoranthene** (mg/kg)	<0.1	0.3	0.2	0.2	4.3	<0.1	0.3	<0.1
Benzo(k)fluoranthene** (mg/kg)	<0.1	0.3	0.2	0.2	4.4	<0.1	0.3	<0.1
Benzo(a)pyrene** (mg/kg)	<0.1	0.3	0.3	0.2	5.4	<0.1	0.4	<0.1
Indeno(123-cd)pyrene** (mg/kg)	<0.1	0.2	0.3	0.1	2.5	<0.1	0.2	<0.1
Dibenz(ah)anthracene** (mg/kg)	<0.1	<0.1	<0.1	<0.1	0.7	<0.1	<0.1	<0.1
Benzo(ghi)perylene** (mg/kg)	<0.1	0.2	0.5	0.1	3.0	<0.1	0.3	<0.1
Total PAH (16)** (mg/kg)	<0.1	3.0	2.3	1.8	68.7	<0.1	3.6	<0.1

All results expressed on dry weight basis

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## ANALYTICAL REPORT No. 55347A

Location: Paddock Wood, Former Halls Site



Your Job No: LP762  
Your Order No: LPO  
Reporting Date: 24/07/14

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

### TPH CWG - Soil

Characteristic	SiltLoam	Loamy Sand	SiltLoam	Silty Clay Loam	Silt Loam	SiltLoam	SiltLoam	SiltLoam	Silty Clay Loam	Sand	SiltLoam
TP/BH	WS151	WS152	WS152	WS153	WS154	WS155B	WS156	WS156	WS156	WS157	WS157
Depth (m)	0.40	0.30	0.50	0.90	0.30	0.40	0.10	1.00	0.30	1.70	
Our ref	25849	25852	25853	25858	25860a	25863	25864	25865	25868	25871	

### Aromatic

>EC <sub>5</sub> -EC <sub>7</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>7</sub> -EC <sub>8</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub>	(mg/kg)	0.6	0.2	0.3	0.2	0.2	0.4	0.2	<0.1	<0.1	<0.1
>EC <sub>10</sub> -EC <sub>12</sub>	(mg/kg)	0.2	<0.1	0.2	0.1	0.1	0.2	0.1	<0.1	0.1	<0.1
>EC <sub>12</sub> -EC <sub>16</sub>	(mg/kg)	0.1	<0.1	0.3	<0.1	<0.1	0.1	0.1	<0.1	0.1	0.1
>EC <sub>16</sub> -EC <sub>21</sub>	(mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	<0.1	0.8
>EC <sub>21</sub> -EC <sub>35</sub>	(mg/kg)	0.3	<0.1	<0.1	<0.1	1.3	3.5	1.0	<0.1	1.0	16.1

### Aliphatic

>EC <sub>5</sub> -EC <sub>6</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>6</sub> -EC <sub>8</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub>	(mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.3	<0.1	<0.1
>EC <sub>10</sub> -EC <sub>12</sub>	(mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	0.1
>EC <sub>12</sub> -EC <sub>16</sub>	(mg/kg)	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	0.1	<0.1	0.2	0.4
>EC <sub>16</sub> -EC <sub>21</sub>	(mg/kg)	<0.1	<0.1	<0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.7
>EC <sub>21</sub> -EC <sub>35</sub>	(mg/kg)	0.1	<0.1	0.5	0.3	0.6	0.6	0.5	1.2	0.4	12.2
TPH (C <sub>5</sub> - C <sub>35</sub> )	(mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	5	<0.1	<0.1	<0.1	30
Benzene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Toluene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Ethyl Benzene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Xylenes**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MTBE	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

All results expressed on dry weight basis

\*\* - MCERTS accredited test

Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55347A

Location: Paddock Wood, Former Halls Site



Your Job No: LP762  
Your Order No: LPO  
Reporting Date: 24/07/14

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

### TPH CWG - Soil

Characteristic	Sand	Sandy Silt Loam	SiltLoam	SiltLoam	Silty Clay Loam	SiltLoam	SiltLoam	Sandy Silt Loam	Sandy Silt Loam	Silt Loam
TP/BH	WS158	WS158	WS158	WS159	WS159	WS160	WS160	WS161	WS168B	WS154
Depth (m)	0.25	0.40	1.30	0.30	1.50	0.50	1.90	0.50	0.40	0.30
Our ref	25872	25873	25876	25878	25879	25881	25883	25884	25888a	25860b

### Aromatic

>EC <sub>5</sub> -EC <sub>7</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>7</sub> -EC <sub>8</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub>	(mg/kg)	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	<0.1	<0.1	0.3
>EC <sub>10</sub> -EC <sub>12</sub>	(mg/kg)	<0.1	<0.1	0.1	0.2	<0.1	<0.1	<0.1	0.1	0.2
>EC <sub>12</sub> -EC <sub>16</sub>	(mg/kg)	<0.1	<0.1	0.1	<0.1	0.1	<0.1	<0.1	0.2	0.2
>EC <sub>16</sub> -EC <sub>21</sub>	(mg/kg)	0.5	1.5	<0.1	3.5	<0.1	<0.1	<0.1	0.2	0.1
>EC <sub>21</sub> -EC <sub>35</sub>	(mg/kg)	7.4	11.8	0.4	108.1	<0.1	<0.1	<0.1	0.8	0.6

### Aliphatic

>EC <sub>5</sub> -EC <sub>6</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>6</sub> -EC <sub>8</sub>	(mg/kg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub>	(mg/kg)	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.1
>EC <sub>10</sub> -EC <sub>12</sub>	(mg/kg)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
>EC <sub>12</sub> -EC <sub>16</sub>	(mg/kg)	0.1	0.2	0.1	0.8	0.1	<0.1	0.2	0.2	<0.1
>EC <sub>16</sub> -EC <sub>21</sub>	(mg/kg)	1.4	3.0	0.2	7.3	0.2	0.3	0.2	0.5	0.4
>EC <sub>21</sub> -EC <sub>35</sub>	(mg/kg)	12.4	18.3	0.3	152.5	0.2	2.5	0.3	1.5	0.4
TPH (C <sub>5</sub> - C <sub>35</sub> )	(mg/kg)	22	35	<0.1	273	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10
Toluene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10
Ethyl Benzene**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10
Xylenes**	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10
MTBE	(µg/kg)	<10	<10	<10	<10	<10	<10	<10	<10	<10

All results expressed on dry weight basis

\*\* - MCERTS accredited test

Stuart Ballard



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Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55347A

Location: Paddock Wood, Former Halls Site



Your Job No: LP762  
Your Order No: LPO  
Reporting Date: 24/07/14

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

### TPH CWG - Soil

Characteristic	Sandy Silt Loam	Sandy Silt Loam
TP/BH	WS158	WS168B
Depth (m)	0.40	0.40
Our ref	25873b	25888b

### Aromatic

>EC <sub>5</sub> -EC <sub>7</sub>	(mg/kg)	<0.01	<0.01
>EC <sub>7</sub> -EC <sub>8</sub>	(mg/kg)	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub>	(mg/kg)	<0.1	<0.1
>EC <sub>10</sub> -EC <sub>12</sub>	(mg/kg)	<0.1	<0.1
>EC <sub>12</sub> -EC <sub>16</sub>	(mg/kg)	<0.1	0.2
>EC <sub>16</sub> -EC <sub>21</sub>	(mg/kg)	0.4	0.5
>EC <sub>21</sub> -EC <sub>35</sub>	(mg/kg)	5.9	1.6

### Aliphatic

>EC <sub>5</sub> -EC <sub>6</sub>	(mg/kg)	<0.01	<0.01
>EC <sub>6</sub> -EC <sub>8</sub>	(mg/kg)	<0.01	<0.01
>EC <sub>8</sub> -EC <sub>10</sub>	(mg/kg)	<0.1	<0.1
>EC <sub>10</sub> -EC <sub>12</sub>	(mg/kg)	<0.1	<0.1
>EC <sub>12</sub> -EC <sub>16</sub>	(mg/kg)	0.2	0.3
>EC <sub>16</sub> -EC <sub>21</sub>	(mg/kg)	1.5	0.7
>EC <sub>21</sub> -EC <sub>35</sub>	(mg/kg)	12.7	0.7
TPH (C <sub>5</sub> - C <sub>35</sub> )	(mg/kg)	21	<0.1
Benzene**	(µg/kg)	<10	<10
Toluene**	(µg/kg)	<10	<10
Ethyl Benzene**	(µg/kg)	<10	<10
Xylenes**	(µg/kg)	<10	<10
MTBE	(µg/kg)	<10	<10

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**ANALYTICAL REPORT No. 55347A**

Location: Paddock Wood, Former Halls Site

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP762  
Your Order No: LPO  
Reporting Date: 24/07/14

## VOC ANALYSIS

Soils	Characteristic	Silt Loam	Silt Loam	Sandy Silt Loam	Silt Loam	Silt Loam	Silt Loam
		TP/BH	WS151	WS152	WS158	WS160	WS160
	Depth (m)	0.30	0.70	0.50	0.80	0.80	0.70
	Our ref	25848	25854	25875	25882a	25882b	25885
	Benzene**	(µg/kg)	<10	<10	<10	<10	<10
	Toluene**	(µg/kg)	<10	<10	<10	<10	<10
	Ethyl Benzene**	(µg/kg)	<10	<10	<10	<10	<10
	mpXylene**	(µg/kg)	<10	<10	<10	<10	<10
	oXylene**	(µg/kg)	<10	<10	<10	<10	<10
	1, 2-Dichloroethene-cis**	(µg/kg)	<10	<10	<10	<10	<10
	1, 1-Dichloroethane**	(µg/kg)	<10	<10	<10	<10	<10
	Chloroform**	(µg/kg)	<10	<10	<10	<10	<10
	Carbontetrachloride**	(µg/kg)	<10	<10	<10	<10	<10
	1, 1, 1-Trichloroethane**	(µg/kg)	<10	<10	<10	<10	<10
	Trichloroethylene**	(µg/kg)	<10	<10	<10	<10	<10
	Tetrachloroethylene**	(µg/kg)	<10	<10	<10	<10	<10
	1, 1, 1, 2-Tetrachloroethane**	(µg/kg)	<10	<10	<10	<10	<10
	1, 1, 2, 2-Tetrachloroethane**	(µg/kg)	<10	<10	<10	<10	<10
	Chlorobenzene**	(µg/kg)	<10	<10	<10	<10	<10
	Bromobenzene**	(µg/kg)	<10	<10	<10	<10	<10
	Bromodichloromethane**	(µg/kg)	<10	<10	<10	<10	<10
	Methylethylbenzene**	(µg/kg)	<10	<10	<10	<10	<10
	1, 1-Dichloro-1-propene**	(µg/kg)	<10	<10	<10	<10	<10
	1, 2-Dichloroethene-trans	(µg/kg)	<10	<10	<10	<10	<10
	2, 2-Dichloropropane	(µg/kg)	<10	<10	<10	<10	<10
	Bromochloromethane	(µg/kg)	<10	<10	<10	<10	<10
	1, 2-Dichloroethane	(µg/kg)	<10	<10	<10	<10	<10
	Dibromomethane**	(µg/kg)	<10	<10	<10	<10	<10
	1, 2-Dichloropropane**	(µg/kg)	<10	<10	<10	<10	<10
	1, 3-Dichloro1propene**	(µg/kg)	<10	<10	<10	<10	<10
	1, 3-Dichloro1propene trans	(µg/kg)	<10	<10	<10	<10	<10
	1, 1, 2-Trichloroethane	(µg/kg)	<10	<10	<10	<10	<10
	Dibromochloromethane	(µg/kg)	<10	<10	<10	<10	<10
	1, 3-Dichloropropane	(µg/kg)	<10	<10	<10	<10	<10
	Dibromoethane**	(µg/kg)	<10	<10	<10	<10	<10
	Styrene	(µg/kg)	<10	<10	<10	<10	<10
	Propylbenzene	(µg/kg)	<10	<10	<10	<10	<10
	2-Chlorotoluene	(µg/kg)	<10	<10	<10	<10	<10
	1, 2, 4-Trimethylbenzene	(µg/kg)	<10	<10	<10	<10	<10
	4-Chlorotoluene	(µg/kg)	<10	<10	<10	<10	<10
	t-Butylbenzene	(µg/kg)	<10	<10	<10	<10	<10
	Trimethylbenzene	(µg/kg)	<10	<10	<10	<10	<10
	1-Methylpropylbenzene	(µg/kg)	<10	<10	<10	<10	<10
	o-Cymene	(µg/kg)	<10	<10	<10	<10	<10
	1, 4-Dichlorobenzene	(µg/kg)	<10	<10	<10	<10	<10
	Butylbenzene	(µg/kg)	<10	<10	<10	<10	<10
	1, 2-Dibromo-3-chloropropane	(µg/kg)	<10	<10	<10	<10	<10
	Hexachlorobutadiene	(µg/kg)	<10	<10	<10	<10	<10
	1, 2, 3-Trichlorobenzene	(µg/kg)	<10	<10	<10	<10	<10
	1, 2, 4-Trichlorobenzene	(µg/kg)	<10	<10	<10	<10	<10
	1, 3-Dichlorobenzene	(µg/kg)	<10	<10	<10	<10	<10
	1, 2-Dichlorobenzene	(µg/kg)	<10	<10	<10	<10	<10
	Bromoform	(µg/kg)	<10	<10	<10	<10	<10

\*\* - MCERTS accredited test

Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonard's on Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55347A

Location: Paddock Wood, Former Halls Site

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP762  
Your Order No: LPO  
Reporting Date: 24/07/14

### VOC ANALYSIS

Soils	Characteristic	Silt Loam	Silt Loam	Silt Loam	Silt Loam	Sandy Silt Loam	
		TP/BH	WS161	WS161	WS168B	WS168B	WS168
	Depth (m)	1.70	1.70	0.60	0.60	2.00	
	Our ref	25886a	25886b	25889a	25889b	25890	
	Benzene**	(µg/kg)	<10	<10	<10	<10	<10
	Toluene**	(µg/kg)	<10	<10	<10	<10	<10
	Ethyl Benzene**	(µg/kg)	<10	<10	<10	<10	<10
	mpXylene**	(µg/kg)	<10	<10	<10	<10	<10
	oXylene**	(µg/kg)	<10	<10	<10	<10	<10
	1, 2-Dichloroethene-cis**	(µg/kg)	<10	<10	<10	<10	<10
	1, 1-Dichloroethane**	(µg/kg)	<10	<10	<10	<10	<10
	Chloroform**	(µg/kg)	<10	<10	<10	<10	<10
	Carbontetrachloride**	(µg/kg)	<10	<10	<10	<10	<10
	1, 1, 1-Trichloroethane**	(µg/kg)	<10	<10	<10	<10	<10
	Trichloroethylene**	(µg/kg)	<10	<10	<10	<10	<10
	Tetrachloroethylene**	(µg/kg)	<10	<10	<10	<10	<10
	1, 1, 1, 2-Tetrachloroethane**	(µg/kg)	<10	<10	<10	<10	<10
	1, 1, 2, 2-Tetrachloroethane**	(µg/kg)	<10	<10	<10	<10	<10
	Chlorobenzene**	(µg/kg)	<10	<10	<10	<10	<10
	Bromobenzene**	(µg/kg)	<10	<10	<10	<10	<10
	Bromodichloromethane**	(µg/kg)	<10	<10	<10	<10	<10
	Methylethylbenzene**	(µg/kg)	<10	<10	<10	<10	<10
	1, 1-Dichloro-1-propene**	(µg/kg)	<10	<10	<10	<10	<10
	1, 2-Dichloroethene-trans	(µg/kg)	<10	<10	<10	<10	<10
	2, 2-Dichloropropane	(µg/kg)	<10	<10	<10	<10	<10
	Bromochloromethane	(µg/kg)	<10	<10	<10	<10	<10
	1, 2-Dichloroethane	(µg/kg)	<10	<10	<10	<10	<10
	Dibromomethane**	(µg/kg)	<10	<10	<10	<10	<10
	1, 2-Dichloropropane**	(µg/kg)	<10	<10	<10	<10	<10
	1, 3-Dichloro1propene**	(µg/kg)	<10	<10	<10	<10	<10
	1, 3-Dichloro1propene trans	(µg/kg)	<10	<10	<10	<10	<10
	1, 1, 2-Trichloroethane	(µg/kg)	<10	<10	<10	<10	<10
	Dibromochloromethane	(µg/kg)	<10	<10	<10	<10	<10
	1, 3-Dichloropropane	(µg/kg)	<10	<10	<10	<10	<10
	Dibromoethane**	(µg/kg)	<10	<10	<10	<10	<10
	Styrene	(µg/kg)	<10	<10	<10	<10	<10
	Propylbenzene	(µg/kg)	<10	<10	<10	<10	<10
	2-Chlorotoluene	(µg/kg)	<10	<10	<10	<10	<10
	1, 2, 4-Trimethylbenzene	(µg/kg)	<10	<10	<10	<10	<10
	4-Chlorotoluene	(µg/kg)	<10	<10	<10	<10	<10
	t-Butylbenzene	(µg/kg)	<10	<10	<10	<10	<10
	Trimethylbenzene	(µg/kg)	<10	<10	<10	<10	<10
	1-Methylpropylbenzene	(µg/kg)	<10	<10	<10	<10	<10
	o-Cymene	(µg/kg)	<10	<10	<10	<10	<10
	1, 4-Dichlorobenzene	(µg/kg)	<10	<10	<10	<10	<10
	Butylbenzene	(µg/kg)	<10	<10	<10	<10	<10
	1, 2-Dibromo-3-chloropropane	(µg/kg)	<10	<10	<10	<10	<10
	Hexachlorobutadiene	(µg/kg)	<10	<10	<10	<10	<10
	1, 2, 3-Trichlorobenzene	(µg/kg)	<10	<10	<10	<10	<10
	1, 2, 4-Trichlorobenzene	(µg/kg)	<10	<10	<10	<10	<10
	1, 3-Dichlorobenzene	(µg/kg)	<10	<10	<10	<10	<10
	1, 2-Dichlorobenzene	(µg/kg)	<10	<10	<10	<10	<10
	Bromoform	(µg/kg)	<10	<10	<10	<10	<10

\*\* - MCERTS accredited test

Stuart Ballard

# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55347A

Location: Paddock Wood, Former Halls Site

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP762  
Your Order No: LPO  
Reporting Date: 24/07/14

### SVOC ANALYSIS

<u>Soils</u>	TP/BH	WS151	WS151	WS152	WS154	WS155B
	Depth (m)	0.70	1.80	2.80	0.50	0.20
	Our ref	25850	25851	25855	25861	25862
Pyridine	(µg/kg)	<10	<10	<10	<10	<10
Aniline	(µg/kg)	<10	<10	<10	<10	<10
Phenol	(µg/kg)	<10	<10	<10	<10	<10
Bis(2-chloroethyl) ether	(µg/kg)	<10	<10	<10	<10	<10
Benzene, 1,3-dichloro-	(µg/kg)	<10	<10	<10	<10	<10
Benzene, 1,4-dichloro-	(µg/kg)	<10	<10	<10	<10	<10
Benzene, 1,2-dichloro-	(µg/kg)	<10	<10	<10	<10	<10
Phenol, 2-methyl-	(µg/kg)	<10	<10	<10	<10	<10
Ethane, hexachloro-	(µg/kg)	<10	<10	<10	<10	<10
Phenol, 3-methyl-	(µg/kg)	<10	<10	<10	<10	<10
Nitrobenzene	(µg/kg)	<10	<10	<10	<10	<10
Isophorone	(µg/kg)	<10	<10	<10	<10	<10
Phenol, 2-nitro-	(µg/kg)	<10	<10	<10	<10	<10
Phenol, 2,4-dimethyl-	(µg/kg)	<10	<10	<10	<10	<10
Methane, bis(2-chloroethoxy)-	(µg/kg)	<10	<10	<10	<10	<10
Phenol, 2,4-dichloro-	(µg/kg)	<10	<10	<10	<10	<10
1,3,4-Trichlorobenzene,	(µg/kg)	<10	<10	<10	<10	<10
Naphthalene	(µg/kg)	---	---	---	---	---
4-Chloroaniline	(µg/kg)	<10	<10	<10	<10	<10
Hexachloro-1,3-butadiene	(µg/kg)	<10	<10	<10	<10	<10
Phenol, 4-chloro-3-methyl-	(µg/kg)	<10	<10	<10	<10	<10
Naphthalene, 2-methyl-	(µg/kg)	818	<10	<10	13	17
Naphthalene, 1-methyl-	(µg/kg)	438	<10	<10	10	14
Hexachlorocyclopentadiene	(µg/kg)	<10	<10	<10	<10	<10
Phenol, 2,4,6-trichloro-	(µg/kg)	<10	<10	<10	<10	<10
Phenol, 2,4,5-trichloro-	(µg/kg)	<10	<10	<10	<10	<10
Naphthalene, 2-chloro-	(µg/kg)	<10	<10	<10	<10	<10
2-Nitroaniline	(µg/kg)	<10	<10	<10	<10	<10
1,4-Dinitrobenzene,	(µg/kg)	<10	<10	<10	<10	<10
Dimethylphthalate	(µg/kg)	<10	<10	<10	<10	<10
Acenaphthylene	(µg/kg)	---	---	---	---	---
1,3-Dinitrobenzene	(µg/kg)	<10	<10	<10	<10	<10
3-Nitroaniline	(µg/kg)	<10	<10	<10	<10	<10
Acenaphthene	(µg/kg)	---	---	---	---	---
Dibenzofuran	(µg/kg)	32	<10	<10	<10	<10
2,4-Dinitrotoluene	(µg/kg)	<10	<10	<10	<10	<10
2,3,4,6-Tetrachlorophenol,	(µg/kg)	<10	<10	<10	<10	<10
2,3,5,6-Tetrachlorophenol,	(µg/kg)	<10	<10	<10	<10	<10
Diethylphthalate	(µg/kg)	<10	<10	<10	<10	<10
Fluorene	(µg/kg)	---	---	---	---	---
Diphenylamine	(µg/kg)	<10	<10	<10	<10	<10
Azobenzene	(µg/kg)	<10	<10	<10	<10	<10
4-Bromophenyl phenyl ether	(µg/kg)	<10	<10	<10	<10	<10
Hexachlorobenzene	(µg/kg)	<10	<10	<10	<10	<10
Pentachlorophenol	(µg/kg)	<10	<10	<10	<10	<10
Phenanthrene	(µg/kg)	---	---	---	---	---
Anthracene	(µg/kg)	---	---	---	---	---
Fluoranthene	(µg/kg)	---	---	---	---	---
Pyrene	(µg/kg)	---	---	---	---	---
Benzylbutylphthalate	(µg/kg)	<10	<10	<10	<10	<10
Bis(2-ethylhexyl)adipate	(µg/kg)	<10	<10	<10	<10	<10
Benzo(a)anthracene	(µg/kg)	---	---	---	---	---
Chrysene	(µg/kg)	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	(µg/kg)	<10	<10	<10	<10	<10
Benzo(b)fluoranthene	(µg/kg)	---	---	---	---	---
Benzo(k)fluoranthene	(µg/kg)	---	---	---	---	---
Benzo(a)pyrene	(µg/kg)	---	---	---	---	---
Indeno[1,2,3-cd]pyrene	(µg/kg)	---	---	---	---	---
Dibenz(ah)anthracene	(µg/kg)	---	---	---	---	---
Benzo(ghi)perylene	(µg/kg)	---	---	---	---	---

# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55347A

Location: Paddock Wood, Former Halls Site

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP762  
Your Order No: LPO  
Reporting Date: 24/07/14

### SVOC ANALYSIS

<u>Soils</u>	TP/BH	WS157	WS157	WS160
	Depth (m)	0.40	0.70	0.40
	Our ref	25869	25870	25880
Pyridine	(µg/kg)	<10	<10	<10
Aniline	(µg/kg)	<10	<10	<10
Phenol	(µg/kg)	<10	<10	<10
Bis(2-chloroethyl) ether	(µg/kg)	<10	<10	<10
Benzene, 1,3-dichloro-	(µg/kg)	<10	<10	<10
Benzene, 1,4-dichloro-	(µg/kg)	<10	<10	<10
Benzene, 1,2-dichloro-	(µg/kg)	<10	<10	<10
Phenol, 2-methyl-	(µg/kg)	<10	<10	<10
Ethane, hexachloro-	(µg/kg)	<10	<10	<10
Phenol, 3-methyl-	(µg/kg)	<10	<10	<10
Nitrobenzene	(µg/kg)	<10	<10	<10
Isophorone	(µg/kg)	<10	<10	<10
Phenol, 2-nitro-	(µg/kg)	<10	<10	<10
Phenol, 2,4-dimethyl-	(µg/kg)	<10	<10	<10
Methane, bis(2-chloroethoxy)-	(µg/kg)	<10	<10	<10
Phenol, 2,4-dichloro-	(µg/kg)	<10	<10	<10
1,3,4-Trichlorobenzene,	(µg/kg)	<10	<10	<10
Naphthalene	(µg/kg)	---	---	---
4-Chloroaniline	(µg/kg)	<10	<10	<10
Hexachloro-1,3-butadiene	(µg/kg)	<10	<10	<10
Phenol, 4-chloro-3-methyl-	(µg/kg)	<10	<10	<10
Naphthalene, 2-methyl-	(µg/kg)	<10	<10	27
Naphthalene, 1-methyl-	(µg/kg)	<10	<10	25
Hexachlorocyclopentadiene	(µg/kg)	<10	<10	<10
Phenol, 2,4,6-trichloro-	(µg/kg)	<10	<10	<10
Phenol, 2,4,5-trichloro-	(µg/kg)	<10	<10	<10
Naphthalene, 2-chloro-	(µg/kg)	<10	<10	<10
2-Nitroaniline	(µg/kg)	<10	<10	<10
1,4-Dinitrobenzene,	(µg/kg)	<10	<10	<10
Dimethylphthalate	(µg/kg)	<10	<10	<10
Acenaphthylene	(µg/kg)	---	---	---
1,3-Dinitrobenzene	(µg/kg)	<10	<10	<10
3-Nitroaniline	(µg/kg)	<10	<10	<10
Acenaphthene	(µg/kg)	---	---	---
Dibenzofuran	(µg/kg)	<10	<10	11
2,4-Dinitrotoluene	(µg/kg)	<10	<10	<10
2,3,4,6-Tetrachlorophenol,	(µg/kg)	<10	<10	<10
2,3,5,6-Tetrachlorophenol,	(µg/kg)	<10	<10	<10
Diethylphthalate	(µg/kg)	<10	<10	<10
Fluorene	(µg/kg)	---	---	---
Diphenylamine	(µg/kg)	<10	<10	<10
Azobenzene	(µg/kg)	<10	<10	<10
4-Bromophenyl phenyl ether	(µg/kg)	<10	<10	<10
Hexachlorobenzene	(µg/kg)	<10	<10	<10
Pentachlorophenol	(µg/kg)	<10	<10	<10
Phenanthrene	(µg/kg)	---	---	---
Anthracene	(µg/kg)	---	---	---
Fluoranthene	(µg/kg)	---	---	---
Pyrene	(µg/kg)	---	---	---
Benzylbutylphthalate	(µg/kg)	<10	<10	<10
Bis(2-ethylhexyl)adipate	(µg/kg)	<10	<10	<10
Benzo(a)anthracene	(µg/kg)	---	---	---
Chrysene	(µg/kg)	---	---	---
Bis(2-ethylhexyl)phthalate	(µg/kg)	<10	<10	<10
Benzo(b)fluoranthene	(µg/kg)	---	---	---
Benzo(k)fluoranthene	(µg/kg)	---	---	---
Benzo(a)pyrene	(µg/kg)	---	---	---
Indeno[1,2,3-cd]pyrene	(µg/kg)	---	---	---
Dibenz(ah)anthracene	(µg/kg)	---	---	---
Benzo(ghi)perylene	(µg/kg)	---	---	---

Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55347A

Location: Paddock Wood, Former Halls Site

F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP762  
Your Order No: LPO  
Reporting Date: 24/07/2014

### Organo-Chlorine Pesticides

Characteristic	Silt Loam	Silt Loam	Silt Loam
Date Sampled	---	---	---
TP/BH	WS151	WS155B	WS159
Depth (m)	0.70	0.40	0.30
Our ref	25850	25863	25878
Alpha BHC**	(µg/kg) <100	<100	<100
Beta BHC**	(µg/kg) <100	<100	<100
Gamma BHC**	(µg/kg) <100	<100	<100
Delta BHC**	(µg/kg) <100	<100	<100
Heptachlor	(µg/kg) <100	<100	<100
Aldrin**	(µg/kg) <100	<100	<100
Heptachlor epoxide	(µg/kg) <100	<100	<100
Chlordane	(µg/kg) <100	<100	<100
Endosulfan I	(µg/kg) <100	<100	<100
cis-Chlordane	(µg/kg) <100	<100	<100
pp-DDE**	(µg/kg) 105	<100	105
Dieldrin**	(µg/kg) <100	<100	<100
Endrin	(µg/kg) <100	<100	<100
pp-DDD**	(µg/kg) <100	<100	<100
Endrin Aldehyde	(µg/kg) <100	<100	<100
pp DDT**	(µg/kg) <100	<100	<100
Endosulfan II	(µg/kg) <100	<100	<100
Endrin Ketone	(µg/kg) <100	<100	<100
pp-Methoxychlor	(µg/kg) <100	<100	<100

### Organo-Phosphorus Pesticides

Characteristic	Silt Loam	Silt Loam	Silt Loam
Date Sampled	---	---	---
TP/BH	WS151	WS155B	WS159
Depth (m)	0.70	0.40	0.30
Our ref	25850	25863	25878
Mthamidophus	(µg/kg) <100	<100	<100
Dichlorus	(µg/kg) <100	<100	<100
Acephate	(µg/kg) <100	<100	<100
Omethoate	(µg/kg) <100	<100	<100
Demeton-S Methyl	(µg/kg) <100	<100	<100
Dimethoate	(µg/kg) <100	<100	<100
Tolclofos	(µg/kg) <100	<100	<100
Primifos Methyl	(µg/kg) <100	<100	<100
Malathion	(µg/kg) <100	<100	<100
Chlorpyrifos	(µg/kg) <100	<100	<100
Methidathion	(µg/kg) <100	<100	<100
Tokuthion	(µg/kg) <100	<100	<100
Profenofos	(µg/kg) <100	<100	<100
Ethion	(µg/kg) <100	<100	<100
Aziniphos-Methyl	(µg/kg) <100	<100	<100
Pyrazophos	(µg/kg) <100	<100	<100

All results expressed on dry weight basis

\*\* - MCERTS accredited test

Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55347A

Location: Paddock Wood, Former Halls Site



F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP762  
Your Order No: LPO  
Reporting Date: 24/07/14

### Asbestos Identification

Sample ref: WS151  
Depth (m) 0.30  
Our ref: 25848  
#Description of Sample Matrix: Silt Loam  
\*Result: Chrysotile (White Asbestos)

Sample ref: WS151  
Depth (m) 0.70  
Our ref: 25850  
#Description of Sample Matrix: Silt Loam  
\*Result: No asbestos identified

Sample ref: WS152  
Depth (m) 0.30  
Our ref: 25852  
#Description of Sample Matrix: Loamy Sand  
\*Result: No asbestos identified

Sample ref: WS153  
Depth (m) 0.20  
Our ref: 25856  
#Description of Sample Matrix: Silt Loam  
\*Result: No asbestos identified

Sample ref: WS153  
Depth (m) 0.50  
Our ref: 25857  
#Description of Sample Matrix: Sandy Silt Loam  
\*Result: No asbestos identified

\*= UKAS accredited

Analytical result only applies to the sample as submitted by the client

Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client

Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55347A

Location: Paddock Wood, Former Halls Site



F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP762  
Your Order No: LPO  
Reporting Date: 24/07/14

### Asbestos Identification

Sample ref: **WS153**  
Depth (m) **2.60**  
Our ref: **25859**  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

Sample ref: **WS154**  
Depth (m) **0.30**  
Our ref: **25860a**  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

Sample ref: **WS155B**  
Depth (m) **0.20**  
Our ref: **25862**  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

Sample ref: **WS155B**  
Depth (m) **0.40**  
Our ref: **25863**  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

Sample ref: **WS156**  
Depth (m) **0.10**  
Our ref: **25864**  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

\*= UKAS accredited

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Stuart Ballard



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Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55347A

Location: Paddock Wood, Former Halls Site



F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP762  
Your Order No: LPO  
Reporting Date: 24/07/14

### Asbestos Identification

Sample ref: **WS156**  
Depth (m) **2.50**  
Our ref: **25866**  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

Sample ref: **WS157**  
Depth (m) **0.05**  
Our ref: **25867**  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

Sample ref: **WS158**  
Depth (m) **0.40**  
Our ref: **25873a**  
#Description of Sample Matrix: Sandy Silt Loam  
\*Result Chrysotile (White Asbestos)

Sample ref: **WS158**  
Depth (m) **0.40**  
Our ref: **25874**  
#Description of Sample Matrix: Sandy Silt Loam  
\*Result No asbestos identified

Sample ref: **WS159**  
Depth (m) **0.05**  
Our ref: **25877**  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

\*= UKAS accredited

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Stuart Ballard





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Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55347A

Location: Paddock Wood, Former Halls Site



F.A.O. Darren Beesley  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP762  
Your Order No: LPO  
Reporting Date: 24/07/14

### Asbestos Identification

Sample ref: **WS159**  
Depth (m) **0.30**  
Our ref: **25878**  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

Sample ref: **WS161**  
Depth (m) **0.50**  
Our ref: **25884**  
#Description of Sample Matrix: Sandy Silt Loam  
\*Result No asbestos identified

Sample ref: **WS168**  
Depth (m) **0.10**  
Our ref: **25887**  
#Description of Sample Matrix: Silt Loam  
\*Result No asbestos identified

Sample ref: **WS168**  
Depth (m) **2.00**  
Our ref: **25890**  
#Description of Sample Matrix: Sandy Silt Loam  
\*Result No asbestos identified

\*= UKAS accredited

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Stuart Ballard



Unit A2  
Windmill Road  
Ponswood Industrial Estate  
St Leonards on Sea  
East Sussex  
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Telephone (01424) 718618  
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## THE ENVIRONMENTAL LABORATORY LTD

### SAMPLE RECEIPT AND TEST DATES

Our Analytical Report Number      55347A  
Your Job No:                                LP762  
Sample Receipt Date:                    10/07/14  
Reporting Date:                            24/07/14  
  
Registered:                                 10/07/14  
Prepared:                                    11/07/14  
Analysis complete:                        24/07/14

### TEST METHOD SUMMARY

PARAMETER	Analysis Undertaken on	Date Tested	Method Number	Technique
Arsenic**	Air dried sample	15/07/14	118	ICPMS
Cadmium**	Air dried sample	15/07/14	118	ICPMS
Chromium**	Air dried sample	15/07/14	118	ICPMS
Lead**	Air dried sample	15/07/14	118	ICPMS
Mercury**	Air dried sample	15/07/14	118	ICPMS
Nickel**	Air dried sample	15/07/14	118	ICPMS
Copper**	Air dried sample	15/07/14	118	ICPMS
Zinc**	Air dried sample	15/07/14	118	ICPMS
Selenium**	Air dried sample	15/07/14	118	ICPMS
Hexavalent Chromium	As submitted sample	11/07/14	110	Colorimetry
pH Value**	Air dried sample	16/07/14	113	Probe
Total Sulphate	Air dried sample	15/07/14	208	Colorimetry
Total Cyanide**	As submitted sample	11/07/14	204	Automated Flow Digital Colorimetry
Free Cyanide	As submitted sample	11/07/14	107	Colorimetry
Sulphide	As submitted sample	14/07/14	109	Colorimetry
Total Monohydric Phenols***	As submitted sample	11/07/14	121	HPLC
Total Organic Carbon	Air dried sample	15/07/14		
Total Chloride		09/07/14		
Speciated PAH (16)**	As submitted sample	11/07/14	133	Gas Chromatography
Carbon Banding (TPH)	As submitted sample	11/07/14	214	Gas chromatography
BTEX**	As submitted sample	11/07/14	181	GCMS
VOC**	As submitted sample	11/07/14	181	GCMS
SVOC	As submitted sample	11/07/14	167	GCMS
Organo Chlorine Pesticides**	As submitted sample	11/07/14	173	GCMS
Organo Phosphorus Pesticides	As submitted sample	11/07/14	173	GCMS
Asbestos*	As submitted sample	16/07/14	179	See note

Asbestos analysis qualitative only

Note:- Documented In-house procedure based on HSG 248 2005

\* = UKAS Accredited test

\*\* - MCERTS Accredited test

Determinands not marked with \* or \*\* are not accredited

MCERTS accreditation covers samples which are predominantly sand, clay, loam or combinations of these three soil types

All results have been expressed on a dry weight basis and where appropriate have been corrected for moisture and stone content accordingly

Any comments, opinions, or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)



2683



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## THE ENVIRONMENTAL LABORATORY LTD

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F.A.O. Sophie Shafi-Cooke  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Reporting Date: 24 July 2014

### ANALYTICAL REPORT No. 55392B

**Samples Received By:** Laboratory Courier  
**Sample Receipt Date:** 15/07/14  
**Your Job No:** LP672  
**Your Order No:** LPO2523  
**Site Location:** Former Halls Site, Paddock Wood  
**ELAB Invoice Number:** 55392B  
**No Samples Received:** 77  
**Date of Sampling:** ---

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*This report was written by:* Stuart Ballard

Authorised By;

Steve Knight  
Reporting Manager

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# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55392B

Location: Former Halls Site, Paddock Wood



Your Job No: LP672  
Your Order No: LPO2523  
Reporting Date: 24/07/14

**F.A.O. Sophie Shafi-Cooke**  
**Leap Environmental Ltd.**  
**The Atrium, Curtis Road**  
**Dorking, Surrey**  
**RH4 1XA**

	Characteristic	Silt Loam
	TP/BH	WS113
	Depth (m)	0.10
	Our ref	24617
Stone Content	(%)	21
Arsenic**	(mg/kg)	13.7
Cadmium**	(mg/kg)	<0.5
Chromium**	(mg/kg)	22
Lead**	(mg/kg)	90
Mercury**	(mg/kg)	<0.5
Nickel**	(mg/kg)	14
Copper**	(mg/kg)	30
Zinc**	(mg/kg)	108
Selenium**	(mg/kg)	<1
Hexavalent Chromium	(mg/kg)	<2
pH Value**	(Units)	7.5
Total Sulphate	(% as SO <sub>4</sub> )	0.09
Free Cyanide	(mg/kg)	<5
Complex Cyanide	(mg/kg)	<5
Sulphide	(mg/kg)	<2
Total Monohydric Phenols***	(mg/kg)	<1
Total Organic Carbon	(%)	1.0
Total Chloride	(%)	0

\*\* - MCERTS accredited test \*\*\* - Sum of Phenol, 2, 3, 5,-Trimethylphenol, 2, 3,-Dimethylphenol, 3, 4-Dimethylphenol, Resorcinol/Catechol, o-Cresol, m, p-Cresol & Napthol

\* - UKAS accredited test All results expressed on dry weight basis

Stuart Ballard



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Tel: 01424 718618 Fax: 01424 729911

## ANALYTICAL REPORT No. 55392B

Location: Former Halls Site, Paddock Wood



Your Job No: LP672  
 Your Order No: LPO2523  
 Reporting Date: 24/07/14

**F.A.O. Sophie Shafi-Cooke**  
**Leap Environmental Ltd.**  
**The Atrium, Curtis Road**  
**Dorking, Surrey**  
**RH4 1XA**

<u>Soils</u>	Characteristic	Silt Loam
	TP/BH	WS113
	Depth (m)	0.10
	Our ref	24617
Naphthalene**	(mg/kg)	<0.5
Acenaphthylene**	(mg/kg)	<0.5
Acenaphthene**	(mg/kg)	<0.5
Fluorene**	(mg/kg)	<0.5
Phenanthrene**	(mg/kg)	2.3
Anthracene**	(mg/kg)	<0.5
Fluoranthene**	(mg/kg)	0.7
Pyrene**	(mg/kg)	0.7
Benz(a)anthracene**	(mg/kg)	<0.5
Chrysene**	(mg/kg)	<0.5
Benzo(b)fluoranthene**	(mg/kg)	<0.5
Benzo(k)fluoranthene**	(mg/kg)	<0.5
Benzo(a)pyrene**	(mg/kg)	<0.5
Indeno(123-cd)pyrene**	(mg/kg)	<0.5
Dibenz(ah)anthracene**	(mg/kg)	<0.5
Benzo(ghi)perylene**	(mg/kg)	<0.5
Total PAH**	(mg/kg)	3.6

All results expressed on dry weight basis

\*\* - MCERTS accredited test

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**ANALYTICAL REPORT No. 55392B**

Location: Former Halls Site, Paddock Wood



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Dorking, Surrey  
RH4 1XA

Your Job No: LP672  
Your Order No: LPO2523  
Reporting Date: 24/07/14

## Asbestos Identification

Sample ref: WS101  
Depth (m) 0.40  
Our ref: 24503  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS102  
Depth (m) 0.40  
Our ref: 24506  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS103  
Depth (m) 0.30  
Our ref: 24763  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS103  
Depth (m) 0.50  
Our ref: 24764  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS104  
Depth (m) 0.30  
Our ref: 24515  
#Description of Sample Matrix: Sandy Clay Loam  
\*Result Chrysotile (White Asbestos)

Sample ref: WS104  
Depth (m) 0.70  
Our ref: 24517  
#Description of Sample Matrix: Clay Loam  
\*Result Chrysotile (White Asbestos)

\*= UKAS accredited

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**ANALYTICAL REPORT No. 55392B**

Location: Former Halls Site, Paddock Wood



F.A.O. Sophie Shafi-Cooke  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP672  
Your Order No: LPO2523  
Reporting Date: 24/07/14

## Asbestos Identification

Sample ref: WS105  
Depth (m) 0.40  
Our ref: 24521  
#Description of Sample Matrix: Sandy Clay Loam  
\*Result No asbestos identified

Sample ref: WS107  
Depth (m) 0.40  
Our ref: 24533  
#Description of Sample Matrix: Sandy Clay Loam  
\*Result No asbestos identified

Sample ref: WS107B  
Depth (m) 0.40  
Our ref: 24539  
#Description of Sample Matrix: Sandy Clay Loam  
\*Result Amosite (Brown Asbestos)

Sample ref: WS108  
Depth (m) 0.50  
Our ref: 24598  
#Description of Sample Matrix: Sandy Clay Loam  
\*Result Chrysotile (White Asbestos)

Sample ref: WS108  
Depth (m) 0.70  
Our ref: 24599  
#Description of Sample Matrix: Clay  
\*Result No asbestos identified

Sample ref: WS109  
Depth (m) 0.10  
Our ref: 24603  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

\*= UKAS accredited

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**ANALYTICAL REPORT No. 55392B**

Location: Former Halls Site, Paddock Wood



F.A.O. Sophie Shafi-Cooke  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP672  
Your Order No: LPO2523  
Reporting Date: 24/07/14

## Asbestos Identification

Sample ref: WS109  
Depth (m) 1.00  
Our ref: 24606  
#Description of Sample Matrix: Clay  
\*Result No asbestos identified

Sample ref: WS110  
Depth (m) 0.30  
Our ref: 24607  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS111  
Depth (m) 0.30  
Our ref: 24612  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS111  
Depth (m) 0.90  
Our ref: 24614  
#Description of Sample Matrix: Clay  
\*Result No asbestos identified

Sample ref: WS113  
Depth (m) 0.40  
Our ref: 24619  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS113  
Depth (m) 0.60  
Our ref: 24620  
#Description of Sample Matrix: Clay  
\*Result No asbestos identified

\*= UKAS accredited

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**ANALYTICAL REPORT No. 55392B**

Location: Former Halls Site, Paddock Wood



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Dorking, Surrey  
RH4 1XA

Your Job No: LP672  
Your Order No: LPO2523  
Reporting Date: 24/07/14

## Asbestos Identification

Sample ref: WS114  
Depth (m) 0.50  
Our ref: 24622  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS114  
Depth (m) 0.80  
Our ref: 24623  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS115  
Depth (m) 0.30  
Our ref: 24769  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS116  
Depth (m) 0.40  
Our ref: 24774  
#Description of Sample Matrix: Sandy Clay Loam  
\*Result No asbestos identified

Sample ref: WS117  
Depth (m) 0.40  
Our ref: 24779  
#Description of Sample Matrix: Sandy Clay Loam  
\*Result No asbestos identified

Sample ref: WS118  
Depth (m) 0.40  
Our ref: 24785  
#Description of Sample Matrix: Corrugated Board  
\*Result No asbestos identified

\*= UKAS accredited

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**ANALYTICAL REPORT No. 55392B**

Location: Former Halls Site, Paddock Wood



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Dorking, Surrey  
RH4 1XA

Your Job No: LP672  
Your Order No: LPO2523  
Reporting Date: 24/07/14

## Asbestos Identification

Sample ref: WS119  
Depth (m) 0.20  
Our ref: 24791  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS119  
Depth (m) 0.50  
Our ref: 24792  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS169  
Depth (m) 0.70  
Our ref: 24787  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS121  
Depth (m) 0.40  
Our ref: 25396  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS122  
Depth (m) 0.50  
Our ref: 25402  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS123  
Depth (m) 0.40  
Our ref: 25304  
#Description of Sample Matrix: Sandy Clay Loam  
\*Result No asbestos identified

\*= UKAS accredited

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**ANALYTICAL REPORT No. 55392B**

Location: Former Halls Site, Paddock Wood



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Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP672  
Your Order No: LPO2523  
Reporting Date: 24/07/14

## Asbestos Identification

Sample ref: WS124  
Depth (m) 0.60  
Our ref: 24808  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS125  
Depth (m) 0.05  
Our ref: 24834  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS126A  
Depth (m) 0.15  
Our ref: 24837  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS126A  
Depth (m) 0.40  
Our ref: 24838  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS126A  
Depth (m) 0.70  
Our ref: 24839  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS126B  
Depth (m) 0.15  
Our ref: 24840  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

\*= UKAS accredited

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**ANALYTICAL REPORT No. 55392B**

Location: Former Halls Site, Paddock Wood



F.A.O. Sophie Shafi-Cooke  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP672  
Your Order No: LPO2523  
Reporting Date: 24/07/14

## Asbestos Identification

Sample ref: WS127  
Depth (m) 0.60  
Our ref: 24815  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS128B  
Depth (m) 0.30  
Our ref: 24850  
#Description of Sample Matrix: Sandy Clay Loam  
\*Result No asbestos identified

Sample ref: WS129  
Depth (m) 0.10  
Our ref: 24852  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS129  
Depth (m) 0.70  
Our ref: 24853  
#Description of Sample Matrix: Clay Loam  
\*Result Chrysotile (White Asbestos)

Sample ref: WS130  
Depth (m) 0.30  
Our ref: 25305  
#Description of Sample Matrix: Sandy Clay Loam  
\*Result No asbestos identified

Sample ref: WS130  
Depth (m) 0.40  
Our ref: 25306  
#Description of Sample Matrix: Sandy Clay Loam  
\*Result No asbestos identified

\*= UKAS accredited

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# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55392B**

Location: Former Halls Site, Paddock Wood



F.A.O. Sophie Shafi-Cooke  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP672  
Your Order No: LPO2523  
Reporting Date: 24/07/14

## Asbestos Identification

Sample ref:	WS131
Depth (m)	0.50
Our ref:	25310
#Description of Sample Matrix:	Sandy Silt Loam
*Result	No asbestos identified

Sample ref:	WS131
Depth (m)	0.40
Our ref:	25309
#Description of Sample Matrix:	Sandy Clay Loam
*Result	No asbestos identified

Sample ref:	WS132
Depth (m)	0.10
Our ref:	25312
#Description of Sample Matrix:	Silt Loam
*Result	No asbestos identified

Sample ref:	WS132
Depth (m)	0.60
Our ref:	25315
#Description of Sample Matrix:	Clay Loam
*Result	No asbestos identified

Sample ref:	WS134
Depth (m)	0.40
Our ref:	25317
#Description of Sample Matrix:	Clay Loam
*Result	No asbestos identified

Sample ref:	WS135
Depth (m)	0.80
Our ref:	25409
#Description of Sample Matrix:	Clay Loam
*Result	No asbestos identified

\*= UKAS accredited

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Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55392B**

Location: Former Halls Site, Paddock Wood



F.A.O. Sophie Shafi-Cooke  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP672  
Your Order No: LPO2523  
Reporting Date: 24/07/14

## Asbestos Identification

Sample ref: WS136B  
Depth (m) 0.40  
Our ref: 25413  
#Description of Sample Matrix: Clay  
\*Result No asbestos identified

Sample ref: WS136C  
Depth (m) 0.40  
Our ref: 25415  
#Description of Sample Matrix: Clay  
\*Result No asbestos identified

Sample ref: WS138  
Depth (m) 0.90  
Our ref: 25421  
#Description of Sample Matrix: Clay  
\*Result Chrysotile (White Asbestos)

Sample ref: WS143  
Depth (m) 0.50  
Our ref: 25425  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS145  
Depth (m) 0.40  
Our ref: 25362  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS146  
Depth (m) 0.30  
Our ref: 25365  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

\*= UKAS accredited

Analytical result only applies to the sample as submitted by the client

Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client

Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55392B**

Location: Former Halls Site, Paddock Wood



F.A.O. Sophie Shafi-Cooke  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP672  
Your Order No: LPO2523  
Reporting Date: 24/07/14

## Asbestos Identification

Sample ref: WS147  
Depth (m) 0.80  
Our ref: 25436  
#Description of Sample Matrix: Clay Loam  
\*Result Chrysotile (White Asbestos)  
Amosite (Brown Asbestos)

Sample ref: WS148  
Depth (m) 0.10  
Our ref: 25372  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS148  
Depth (m) 0.40  
Our ref: 25374  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS151  
Depth (m) 0.40  
Our ref: 25849  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS152  
Depth (m) 0.30  
Our ref: 25852  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS154  
Depth (m) 0.50  
Our ref: 25861  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

\*= UKAS accredited

Analytical result only applies to the sample as submitted by the client

Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client

Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55392B**

Location: Former Halls Site, Paddock Wood



F.A.O. Sophie Shafi-Cooke  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP672  
Your Order No: LPO2523  
Reporting Date: 24/07/14

## Asbestos Identification

Sample ref: WS156  
Depth (m) 0.30  
Our ref: 25895  
#Description of Sample Matrix: Clay  
\*Result No asbestos identified

Sample ref: WS157  
Depth (m) 0.30  
Our ref: 25868  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS157  
Depth (m) 0.40  
Our ref: 25869  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS158  
Depth (m) 0.25  
Our ref: 25872  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS160  
Depth (m) 0.40  
Our ref: 25880  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS163  
Depth (m) 0.40  
Our ref: 24797  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

\*= UKAS accredited

Analytical result only applies to the sample as submitted by the client

Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client

Stuart Ballard





# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55392B**

Location: Former Halls Site, Paddock Wood



F.A.O. Sophie Shafi-Cooke  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP672  
Your Order No: LPO2523  
Reporting Date: 24/07/14

## Asbestos Identification

Sample ref: WS163  
Depth (m) 0.20  
Our ref: 24796  
#Description of Sample Matrix: Clay  
\*Result No asbestos identified

Sample ref: WS163  
Depth (m) 0.90  
Our ref: 24799  
#Description of Sample Matrix: Clay  
\*Result No asbestos identified

Sample ref: WS164B  
Depth (m) 0.30  
Our ref: 25446  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS165  
Depth (m) 0.30  
Our ref: 25334  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS165  
Depth (m) 0.70  
Our ref: 25335  
#Description of Sample Matrix: Clay  
\*Result No asbestos identified

Sample ref: WS166  
Depth (m) 0.30  
Our ref: 24627  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

\*= UKAS accredited

Analytical result only applies to the sample as submitted by the client

Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client

Stuart Ballard



# THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

**ANALYTICAL REPORT No. 55392B**

Location: Former Halls Site, Paddock Wood



F.A.O. Sophie Shafi-Cooke  
Leap Environmental Ltd.  
The Atrium, Curtis Road  
Dorking, Surrey  
RH4 1XA

Your Job No: LP672  
Your Order No: LPO2523  
Reporting Date: 24/07/14

## Asbestos Identification

Sample ref: WS166  
Depth (m) 0.60  
Our ref: 24629  
#Description of Sample Matrix: Clay Loam  
\*Result Chrysotile (White Asbestos)  
Crocidolite (Blue Asbestos)

Sample ref: WS168  
Depth (m) 0.30  
Our ref: 25900  
#Description of Sample Matrix: Clay  
\*Result No asbestos identified

Sample ref: WS168B  
Depth (m) 0.40  
Our ref: 25888  
#Description of Sample Matrix: Clay  
\*Result No asbestos identified

Sample ref: WS168B  
Depth (m) 0.60  
Our ref: 25889  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

Sample ref: WS106  
Depth (m) 0.10  
Our ref: 25352  
#Description of Sample Matrix: Clay Loam  
\*Result No asbestos identified

\*= UKAS accredited

Analytical result only applies to the sample as submitted by the client

Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client

Stuart Ballard



Unit A2  
 Windmill Road  
 Ponswood Industrial Estate  
 St Leonards on Sea  
 East Sussex  
 TN38 9BY  
 Telephone (01424) 718618  
 Facsimile (01424) 729911

## THE ENVIRONMENTAL LABORATORY LTD

### SAMPLE RECEIPT AND TEST DATES

Our Analytical Report Number      55392B  
 Your Job No:                                LP672  
 Sample Receipt Date:                 15/07/14  
 Reporting Date:                            24/07/14

Registered:                                 15/07/14  
 Prepared:                                    16/07/14  
 Analysis complete:                       24/07/14

### TEST METHOD SUMMARY

PARAMETER	Analysis Undertaken on	Date Tested	Method Number	Technique
Arsenic**	Air dried sample	18/07/14	118	ICPMS
Cadmium**	Air dried sample	18/07/14	118	ICPMS
Chromium**	Air dried sample	18/07/14	118	ICPMS
Lead**	Air dried sample	18/07/14	118	ICPMS
Mercury**	Air dried sample	18/07/14	118	ICPMS
Nickel**	Air dried sample	18/07/14	118	ICPMS
Copper**	Air dried sample	18/07/14	118	ICPMS
Zinc**	Air dried sample	18/07/14	118	ICPMS
Selenium**	Air dried sample	18/07/14	118	ICPMS
Hexavalent Chromium	As submitted sample	17/07/14	110	Colorimetry
pH Value**	Air dried sample	18/07/14	113	Probe
Total Sulphate	Air dried sample	24/07/14	208	Colorimetry
Free Cyanide	As submitted sample	17/07/14	107	Colorimetry
Complex Cyanide	As submitted sample	17/07/14	145	Colorimetry
Sulphide	As submitted sample	17/07/14	109	Colorimetry
Total Monohydric Phenols	As submitted sample	17/07/14	121	HPLC
Total Organic Carbon	Air dried sample	21/07/14	210	Automated IR Adsorption
Speciated PAH**	As submitted sample	17/06/14	133	Gas Chromatography

Asbestos analysis qualitative only

Note:- Documented In-house procedure based on HSG 248 2005

\* = UKAS Accredited test

\*\* - MCERTS Accredited test

Determinands not marked with \* or \*\* are not accredited

MCERTS accreditation covers samples which are predominantly sand, clay, loam or combinations of these three soil types

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Any comments, opinions, or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

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Unit A2  
Windmill Road  
Ponswood Industrial Estate  
St Leonards on Sea  
East Sussex  
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## THE ENVIRONMENTAL LABORATORY LTD

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### SAMPLE RECEIPT AND TEST DATES

Our Analytical Report Number      55392B  
Your Job No:                                LP672  
Sample Receipt Date:                    15/07/14  
Reporting Date:                            24/07/14  
  
Registered:                                15/07/14  
Prepared:                                  15/07/14  
Analysis complete:                        24/07/14

### TEST METHOD SUMMARY

PARAMETER	Method Number	Brief Description
Asbestos*	179	See note

Asbestos analysis qualitative only

Note:- Documented In-house procedure based on HSG 248 2005

\* = UKAS Accredited test

Determinands not marked with \* or \*\* are not accredited

MCERTS accreditation covers samples which are predominantly sand, clay, loam or combinations of these three soil types

All results have been expressed on a dry weight basis and where appropriate have been corrected for moisture and stone content accordingly

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Any comments, opinions, or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

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CONTRACT NO: 39830  
PROJECT NO: 610  
DATE OF ISSUE: 31.07.14

## CERTIFICATE OF ANALYSIS

ANALYSIS REQUESTED BY: The Environmental Lab Ltd  
Unit 2A, Wendral Road  
Ponswood Industrial Estate  
St Leonard's on Sea  
East Sussex  
TN38 9BY

CONTRACT NO: 39830  
PROJECT NO: 610  
DATE OF ISSUE: 31.07.14

DATE SAMPLES RECEIVED: 24.07.14

DATE SAMPLES ANALYSED: 31.07.14

SAMPLE DESCRIPTION: Sixteen soil/soil aggregate samples each weighing approximately 100-200g and a piece of suspected asbestos containing material.

ANALYSIS REQUESTED: Qualitative and quantitative analysis of soil/soil aggregate samples for mass determination of asbestos and analysis of the bulk sample to determine possible asbestos content.

### METHODS:

Qualitative - The samples were analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative - The analysis was carried out using our documented in-house method based on HSE Contract Research Report No. 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Flowers et al., 1996) and HSG 248. Our method includes initial examination of the entire sample, detailed analysis of a representative sub-sample and quantification by hand picking/weighting and/or fibre counting/sizing as appropriate.

### RESULTS:

#### Initial Screening

Asbestos was detected in fourteen of the sixteen soil samples and in the piece of suspected asbestos containing material by stereo binocular and polarised light microscopy.

A summary of the qualitative and quantitative results are given in Tables 1 & 2 respectively.

### RESULTS: (cont.)

Table 1: Qualitative Results:

Project Ref: AR55220

IOM sample number	Client sample number	ACM type detected	PLM result
S30517	24507A WS102 0.5m	Bound Insulation*	Chrysotile & Crocidolite
S30518	24508 WS102 0.7m	-	No Asbestos Detected
S30519	24512 WS103 0.4m	Bound Insulation*	Chrysotile & Crocidolite
S30520	24516 WS104 0.4m	-	No Asbestos Detected
S30521	24519 WS104 1.0m	Loose Insulation**	Chrysotile & Crocidolite
S30522	24526 WS106 0.5m	Loose Insulation**	Chrysotile
S30523	24605 WS109 0.6m	Bound Insulation**	Chrysotile & Crocidolite
S30524	24613 WS111 0.5m	Bound Insulation**	Chrysotile
S30525	24621 WS114 0.4m	Loose Insulation**	Amosite & Chrysotile
S30526	24784 WS118 0.4m	Bound Insulation**	Amosite & Chrysotile
S30527	24786 WS118 0.5m	Bound Insulation**	Amosite & Chrysotile
S30528	24628 WS116 0.4m	Cement* & Bound Insulation*	Chrysotile
S30529	24806 WS124 0.2m	Cement	Chrysotile
S30530	24807 WS124 0.2m	Cement* & Free Fibres	Amosite & Chrysotile
S30531	24810 WS125 0.5m	Cement*	Chrysotile
S30532	24824 WS129 0.3m	Cement*	Chrysotile
S30533	24507B WS102 0.5m	Free Fibres	Amosite, Chrysotile & Crocidolite

Our detection limit for this method is 0.001%.

Table 2: Quantitative Analysis Results

Client Sample Number	Sample weight (g)	% Asbestos by hand picking/weighting	% Asbestos by fibre counting/sizing	Total % Asbestos in Sample
24507A WS102 0.5m	129	0.003	-	0.003
24519 WS104 1.0m	84	0.023	-	0.023
24526 WS106 0.5m	77	0.002	-	0.002
24605 WS109 0.6m	87	0.876	-	0.876
24613 WS111 0.5m	118	0.030	-	0.030
24621 WS114 0.4m	182	0.007	-	0.007
24784 WS118 0.4m	132	0.037	-	0.037
24786 WS118 0.5m	150	0.074	-	0.074
24628 WS116 0.4m	78	0.474	-	0.474
24807 WS124 0.4m	160	0.074	-	0.074
24810 WS125 0.5m	73	2.028	-	2.028
24824 WS129 0.3m	97	0.014	-	0.014
24507B WS102 0.5m	127	0.004	-	0.004

- not applicable

The detection limit for this method is around 0.0001% with a limit of quantification of 0.001%.



CONTRACT NO: 39830  
PROJECT NO: 810  
DATE OF ISSUE: 31.07.14



COMMENTS:

<sup>1</sup> This piece of ACM was detected with the naked eye.

<sup>2</sup> This piece of ACM was detected by stereo binocular and/or polarised light microscopy.

IDM Consulting cannot accept responsibility for samples that have been incorrectly collected or despatched by external clients.

Any opinions and interpretations expressed herein are out with the scope of our UKAS accreditation.

Sample S30529 is a piece of ACM rather than soil/stone aggregate sample therefore we are unable to provide a quantitative result for this sample.

*Handwritten signature*

AUTHORISED BY: .....

J Reid

Senior Scientific Technician



## CERTIFICATE OF ANALYSIS

ANALYSIS REQUESTED BY: The Environmental Lab Ltd  
 Unit 2A, Windmill Road  
 Porswood Industrial Estate  
 St Leonard's on Sea  
 East Sussex  
 TN38 9BY

CONTRACT NO: 38810-4  
 PROJECT NO: 610  
 DATE OF ISSUE: 30.07.14

DATE SAMPLES RECEIVED: 23.07.14

DATE SAMPLES ANALYSED: 30.07.14

SAMPLE DESCRIPTION: Seven soil/loose aggregate samples each weighing approximately 100-400g

ANALYSIS REQUESTED: Qualitative and quantitative analysis of soil/loose aggregate samples for mass determination of asbestos.

### METHODS:

Qualitative - The samples were analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative - The analysis was carried out using our documented in-house method based on HSE Contract Research Report No. 83/1896: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies et al, 1998) and HSG 248. Our method includes initial examination of the entire sample, detailed analysis of a representative sub-sample and quantification by hand picking/weighting and/or fibre counting/sizing as appropriate.

### RESULTS:

#### Initial Screening

Asbestos was detected in six of the seven soil samples by stereo-binocular and polarised light microscopy.

A summary of the qualitative and quantitative results are given in Tables 1 & 2 respectively.

### RESULTS: (cont.)

Table 1: Qualitative Results:

Project Ref: AR55282

IOM sample number	Client sample number	ACM type detected	PLM result
S30423	25313 WS132 0.3	Fine Fibres	Crocidolite
S30424	25338 WS138 0.3	Bound Insulation <sup>1</sup>	Chrysotile
S30425	25345 WS139 0.1	Loose Insulation <sup>2</sup>	Chrysotile
S30426	25349 WS140B 0.3	-	No Asbestos Detected
S30427	25352 WS141 0.8	Cement <sup>3</sup>	Crocidolite & Chrysotile
S30428	25355 WS142 0.6	Bound Insulation <sup>2</sup>	Chrysotile, Amosite & Crocidolite
S30429	25357 WS162 0.1	Baumen <sup>1</sup>	Chrysotile

Our detection limit for this method is 0.001%.

Table 2: Quantitative Analysis Results

Client Sample Number	Sample weight (g)	% Asbestos by hand picking/weighting	% Asbestos by fibre counting/sizing	Total % Asbestos in Sample
25313 WS132 0.3	173	0.002	-	0.002
25338 WS138 0.3	124	0.019	-	0.019
25345 WS139 0.1	73	0.002	-	0.002
25352 WS141 0.8	429	1.236	-	1.236
25355 WS142 0.6	24	0.002	-	0.002
25357 WS162 0.1	135	0.001	-	0.001
- not applicable				

The detection limit for this method is around 0.0001% with a limit of quantification of 0.001%.

### COMMENTS:

<sup>1</sup> This piece of ACM was detected with the naked eye.

<sup>2</sup> This piece of ACM was detected by stereo-binocular and/or polarised light microscopy.

IOM Consulting cannot accept responsibility for samples that have been incorrectly collected or dispatched by external clients.

Any opinions and interpretations expressed herein are out with the scope of our UKAS accreditation.

AUTHORISED BY: J Reid

Senior Scientific Technician



## CERTIFICATE OF ANALYSIS FIBRE IDENTIFICATION IN BULK MATERIAL

**Client Details:** The Environmental Laboratory, Unit A2, Windmill Road, St Leonards on Sea, East Sussex, TN38 9BY  
**Lab Contract No:** 610-38810-1

**Requested By:** Naomi Williams  
**Site:** Paddock Wood (AR55317)  
**Date Received:** 23/07/2014

**No of Samples:** One  
**Date of Analysis:** 30/07/2014

The samples detailed below have been analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in HSG 248. The results are given below:

Lab Sample No.	Client's Sample No.	Sample Details	Asbestos Type(s)
S30413	25445	WS164B 0.2 (Cement sheet)	Present Chrysotile

IOM Consulting Ltd accepts responsibility only for results obtained from samples as received. No responsibility is accepted for errors, which may have arisen during sampling or transportation of samples by external clients.

Authorised by:

J Reid  
Senior Scientific Technician

Date of Issue:

30/07/2014

v6, Oct 12

Page 1 of 1



## CERTIFICATE OF ANALYSIS

ANALYSIS REQUESTED BY: The Environmental Lab Ltd  
Unit 2A, Windmill Road  
Ponswood Industrial Estate  
St Leonard's on Sea  
East Sussex  
TN38 9BY

CONTRACT NO: 39810-2  
PROJECT NO: 610  
DATE OF ISSUE: 30.07.14

DATE SAMPLES RECEIVED: 23.07.14

DATE SAMPLES ANALYSED: 30.07.14

SAMPLE DESCRIPTION: Two soil/loose aggregate samples each weighing approximately 100g and a piece of suspected asbestos containing material

ANALYSIS REQUESTED: Qualitative and quantitative analysis of soil/loose aggregate samples for mass determination of asbestos and analysis of the bulk sample to determine possible asbestos content.

**METHODS:**

**Qualitative** - The samples were analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in HSG 248.

**Quantitative** - The analysis was carried out using our documented in-house method based on HSE Contract Research Report No. 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates. (Davies et al., 1999) and HSG 248. Our method includes initial examination of the entire sample, detailed analysis of a representative sub-sample and quantification by hand picking/weighting and/or fibre counting/sizing as appropriate.

**RESULTS:**

**Initial Screening**

Asbestos was detected in both of the soil samples and in the piece of suspected asbestos containing material by stereo-brocular and polarised light microscopy.

A summary of the qualitative and quantitative results are given in Tables 1 & 2 respectively.

**RESULTS: (cont.)**

Table 1: Qualitative Results:

Project Ref: AR55347

IOM sample number	Client sample number	ACM type detected	PLM result
S30414	25648 WS151 0.3	Bound Insulation <sup>1</sup> & Free Fibres	Chrysotile
S30415	25873 WS158 0.4	Cement & Free Fibres	Chrysotile
S30416	25874 WS158 0.4	Cement	Chrysotile

Our detection limit for this method is 0.001%.

Table 2: Quantitative Analysis Results

Client Sample Number	Sample weight (g)	% Asbestos by hand picking/weighting	% Asbestos by fibre counting/sizing	Total % Asbestos in Sample
25848 WS151 0.3	101	0.011	-	0.011
25873 WS158 0.4	123	0.014	-	0.014

- not applicable

The detection limit for this method is around 0.0001% with a limit of quantification of 0.001%.

**COMMENTS:**

<sup>1</sup> This piece of ACM was detected with the naked eye.

IOM Consulting cannot accept responsibility for samples that have been incorrectly collected or despatched by external clients.

Any opinions and interpretations expressed herein are out with the scope of our UKAS accreditation.

Sample S30416 is a piece of ACM rather than soil/loose aggregate sample therefore we are unable to provide a quantitative result for this sample.

AUTHORISED BY: 

J Reid  
Senior Scientific Technician

**CERTIFICATE OF ANALYSIS**

ANALYSIS REQUESTED BY: The Environmental Lab Ltd  
Unit 2A, Windmill Road  
Ponswood Industrial Estate  
St Leonard's on Sea  
East Sussex  
TN38 9BY

CONTRACT NO: 39810-5  
PROJECT NO: 610  
DATE OF ISSUE: 30.07.14

DATE SAMPLES RECEIVED: 23.07.14  
DATE SAMPLES ANALYSED: 30.07.14

SAMPLE DESCRIPTION: Eight soil/sose aggregate samples each weighing approximately 100-200g

ANALYSIS REQUESTED: Qualitative and quantitative analysis of soil/sose aggregate samples for mass determination of asbestos.

**METHODS:**

Qualitative - The samples were analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative - The analysis was carried out using our documented in-house method based on HSE Contract Research Report No. 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies et al. 1996) and HSG 248. Our method includes initial examination of the entire sample, detailed analysis of a representative sub-sample and quantification by hand picking/weighting and/or stereocounting/sizeing as appropriate.

**RESULTS:**

**Initial Screening**

Asbestos was detected in five of the eight soil samples by stereo-binocular and polarised light microscopy.

A summary of the qualitative and quantitative results are given in Tables 1 & 2 respectively.

**RESULTS: (cont.)**

Table 1: Qualitative Results:

Project Ref: AR55332

IOM sample number	Client sample number	ACM type detected	PLM result
S30430	24515 WS104 0.3	-	No Asbestos Detected
S30431	24517 WS104 0.7	Cement <sup>1</sup>	Chrysotile
S30432	24539 WS107B 0.4	Loose Insulation <sup>2</sup>	Amosite
S30433	24598 WS108 0.5	-	No Asbestos Detected
S30434	24653 WS129 0.7	Cement <sup>1</sup> & Loose Insulation <sup>2</sup>	Chrysotile
S30435	25421 WS139 0.9	-	No Asbestos Detected
S30436	25436 WS147 0.8	Fine Fibres	Amosite
S30437	24629 WS166 0.60	Bound Insulation <sup>1</sup> , Cement <sup>1</sup> & Loose Insulation <sup>2</sup>	Chrysotile

Our detection limit for this method is 0.001%.

Table 2: Quantitative Analysis Results

Client Sample Number	Sample weight (g)	% Asbestos by hand picking/weighting	% Asbestos by fibre counting/sizeing	Total % Asbestos in Sample
24517 WS104 0.7	71	0.001	-	0.001
24539 WS107B 0.4	61	0.002	-	0.002
24653 WS129 0.7	85	0.019	-	0.019
25436 WS147 0.8	215	0.002	-	0.002
24629 WS166 0.60	62	0.059	-	0.059

- not applicable

The detection limit for this method is around 0.0001% with a limit of quantification of 0.001%.

**COMMENTS:**

- <sup>1</sup> This piece of ACM was detected with the naked eye.
  - <sup>2</sup> This piece of ACM was detected by stereo-binocular and/or polarised light microscopy.
- IOM Consulting cannot accept responsibility for samples that have been incorrectly collected or despatched by external clients.
- Any opinions and interpretations expressed herein are out with the scope of our UKAS accreditation.

**AUTHORISED BY:**

J Reid  
Senior Scientific Technician









Client/client ref: TWBC  
 Project ref: Former Halls Site Paddock  
 Wood  
 Site ref: LP762  
 Data description: GL-0.30  
 Contaminant(s): PAHs  
 Test scenario: Part 2A  
 Date: 11 September 2014

	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(G,H,I)Perylene	Benzo(k)fluoranthene
<b>Critical concentration, C<sub>c</sub></b>	210	170	2300	3.1	5	5.6	44	8.5
<b>Notes</b>	LOM GAC Residential with plant uptake	LOM GAC Residential with plant uptake	LOM GAC Residential with plant uptake	LOM GAC Residential with plant uptake	C4SL	LOM GAC/LOM GAC Residential with plant uptake	LOM GAC/LOM GAC Residential with plant uptake	LOM GAC/LOM GAC Residential with plant uptake
<b>Sample size, n</b>	53	53	53	53	53	53	53	53
<b>Sample mean, <math>\bar{x}</math></b>	0.11698113	0.16981132	0.30754717	1.46603774	1.65283019	1.37358491	1.04716981	1.2509434
<b>Standard deviation, s</b>	0.0699886	0.13385541	0.41224015	1.99180469	2.00418829	1.70859264	1.22483967	1.49442845
<b>Number of non-detects</b>	0	0	0	0	0	0	0	0
<b>Set non-detect values to:</b>	Half detection limit	Half detection limit	Half detection limit	Half detection limit	Half detection limit	Half detection limit	Half detection limit	Half detection limit
<b>Outliers?</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Distribution</b>	Non-normal	Non-normal	Non-normal	Non-normal	Non-normal	Non-normal	Non-normal	Non-normal
<b>Statistical approach</b>	Auto: Chebychev	Chebychev	Auto: Chebychev	Auto: Chebychev	Auto: Chebychev	Auto: Chebychev	Auto: Chebychev	Auto: Chebychev
<b>Test scenario:</b>	Part 2A: is true mean higher than critical concentration ( $\mu > C_c$ )					<b>Evidence level required:</b>	<b>95%</b>	Use Normal distribution
<b>t statistic, t<sub>0</sub> (or k<sub>0</sub>)</b>	-21831.72034	-9236.701114	-40612.28289	-5.972184371	-12.15842056	-18.00825166	-255.2998006	-35.3137874
<b>Lower confidence limit</b> (on true mean concentration, $\mu$ )	0.0750761	0.08966662	0.06072216	0.27346297	0.45284086	0.35058075	0.31380831	0.35616808
<b>Evidence level</b> (upper bound)	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>
<b>level</b> (lower bound)	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>
<b>Base decision on:</b>	lower bound	upper bound	lower bound	lower bound	lower bound	lower bound	lower bound	lower bound
<b>Result</b>	$\mu \leq C_c$	$\mu \leq C_c$	$\mu \leq C_c$	$\mu \leq C_c$	$\mu \leq C_c$	$\mu \leq C_c$	$\mu \leq C_c$	$\mu \leq C_c$
<b>Select dataset</b>	<input type="radio"/> Y	<input type="radio"/> Y	<input type="radio"/> Y	<input type="radio"/> Y	<input checked="" type="radio"/> Y	<input type="radio"/> Y	<input type="radio"/> Y	<input type="radio"/> Y





Client/client ref: TWBC  
 Project ref: Former Halls Site  
 Site ref: LP762  
 Data description: PAH >300-600mm  
 Contaminant(s): PAH  
 Test scenario: Part 2A  
 Date: 11 September 2014  
 User details: SSC

	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(G,H,I)Perylene	Benzo(k)fluoranthene
<b>Critical concentration, C<sub>c</sub></b>	210	170	2300	3.1	5	5.6	44	8.5
<b>Notes</b>	LOM GAC	LOM GAC	LOM GAC	LOM GAC	C4SL	LOM GAC	LOM GAC	LOM GAC
<b>Sample size, n</b>	33	33	33	33	33	33	33	33
<b>Sample mean, <math>\bar{x}</math></b>	0.11212121	0.27575758	0.36666667	5.8969697	1.85454545	1.40606061	3.36666667	1.50606061
<b>Standard deviation, s</b>	0.04151488	0.33169103	0.45871196	24.7186352	2.64150654	2.00514017	12.8715691	2.11851059
<b>Number of non-detects</b>	0	0	0	0	0	0	0	0
<b>Set non-detect values to:</b>	Half detection limit	Half detection limit	Half detection limit	Half detection limit	Half detection limit	Half detection limit	Half detection limit	Half detection limit
<b>Outliers?</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Distribution</b>	Non-normal	Non-normal	Non-normal	Non-normal	Non-normal	Non-normal	Non-normal	Non-normal
<b>Statistical approach</b>	Auto: Chebychev	Chebychev	Auto: Chebychev	Auto: Chebychev	Auto: Chebychev	Auto: Chebychev	Auto: Chebychev	Auto: Chebychev

<b>Test scenario:</b>	Part 2A: is true mean higher than critical concentration ( $\mu > C_c$ )				<b>Evidence level required:</b>	<b>95%</b>	Use Normal distribui	
<b>t statistic, t<sub>0</sub> (or k<sub>0</sub>)</b>	-29042.94106	-2939.45707	-28798.87328	0.650010306	-6.840513318	-12.01529344	-18.13459778	-18.96479686
<b>Lower confidence limit</b> (on true mean concentration, $\mu$ )	0.08062027	0.02407476	0.01860203	<0	<0	<0	<0	<0
<b>Evidence level</b> (upper bound)	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>74%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>
<b>level</b> (lower bound)	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>30%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>
<b>Base decision on:</b>	lower bound	lower bound	lower bound	lower bound	lower bound	lower bound	lower bound	lower bound
<b>Result</b>	$\mu \leq C_c$	$\mu \leq C_c$	$\mu \leq C_c$	$\mu \leq C_c$	$\mu \leq C_c$	$\mu \leq C_c$	$\mu \leq C_c$	$\mu \leq C_c$
<b>Select dataset</b>	<input type="radio"/> Y	<input type="radio"/> Y	<input type="radio"/> Y	<input type="radio"/> Y	<input checked="" type="radio"/> Y	<input type="radio"/> Y	<input type="radio"/> Y	<input type="radio"/> Y





Client/client ref: TWBC  
 Project ref: Former Halls Site Paddock  
 Wood  
 Site ref: LP762  
 Data description: >0.60  
 Contaminant(s): PAHs  
 Test scenario: Part 2A  
 Date: 11 September 2014

	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(G,H,I)Perylene	Benzo(k)fluoranthene
<b>Critical concentration, C<sub>c</sub></b>	210	170	2300	3.1	5	5.6	44	8.5
<b>Notes</b>	LOM GAC	LOM GAC	LOM GAC	LOM GAC	C4SL	LOM GAC	LOM GAC	LOM GAC
<b>Sample size, n</b>	36	36	36	36	36	36	36	36
<b>Sample mean, <math>\bar{x}</math></b>	0.41666667	0.26388889	0.70833333	0.96666667	1.09722222	0.86388889	0.68333333	0.85833333
<b>Standard deviation, s</b>	1.33555767	0.43566224	1.82950032	2.02794759	2.61145675	2.08589176	1.60757137	1.89546451
<b>Number of non-detects</b>	0	0	0	0	0	0	0	0
<b>Set non-detect values to:</b>	Half detection limit	Half detection limit	Half detection limit	Half detection limit	Half detection limit	Half detection limit	Half detection limit	Half detection limit
<b>Outliers?</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Distribution</b>	Non-normal	Non-normal	Non-normal	Non-normal	Non-normal	Non-normal	Non-normal	Non-normal
<b>Statistical approach</b>	Auto: Chebychev	Chebychev	Auto: Chebychev	Auto: Chebychev	Auto: Chebychev	Auto: Chebychev	Auto: Chebychev	Auto: Chebychev
<b>Test scenario:</b>	Part 2A: is true mean higher than critical concentration ( $\mu > C_c$ )					<b>Evidence level required:</b>	<b>95%</b>	Use Normal distribution
<b>t statistic, t<sub>0</sub> (or k<sub>0</sub>)</b>	-941.5542509	-2337.628955	-7540.720181	-6.311800197	-8.966898142	-13.62327	-161.6724486	-24.18932126
<b>Lower confidence limit</b> (on true mean concentration, $\mu$ )	<0	<0	<0	<0	<0	<0	<0	<0
<b>Evidence level</b> (upper bound)	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>
<b>level</b> (lower bound)	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>
<b>Base decision on:</b>	lower bound	lower bound	lower bound	lower bound	lower bound	lower bound	lower bound	lower bound
<b>Result</b>	$\mu \leq C_c$	$\mu \leq C_c$	$\mu \leq C_c$	$\mu \leq C_c$	$\mu \leq C_c$	$\mu \leq C_c$	$\mu \leq C_c$	$\mu \leq C_c$
<b>Select dataset</b>	<input type="radio"/> Y	<input type="radio"/> Y	<input type="radio"/> Y	<input checked="" type="radio"/> Y	<input type="radio"/> Y	<input type="radio"/> Y	<input type="radio"/> Y	<input type="radio"/> Y





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**THE ENVIRONMENTAL LABORATORY LTD**

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**Analytical Report Number:** 14-00564

**Issue:** 1

**Date of Issue:** 24/09/2014

**Contact:** Sophie Shafi-Cooke

**Customer Details:** Leap Environmental Ltd  
The Atrium  
Curtis Road  
Dorking  
Surrey

**Quotation No:** Q14-00063

**Order No:** LP762

**Customer Reference:** LPO2683

**Date Received:** 16/09/2014

**Date Approved:** 24/09/2014

**Details:** Former Halls Site, Paddock Wood

**Approved by:** 

John Wilson, Operations Manager

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Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

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## Sample Summary

Report No.: 14-00564

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
3656	HA201 GL - 0.20	16/09/2014	17/09/2014	sandy clay loam	
3657	HA201 0.40	16/09/2014	17/09/2014	sandy clay loam	
3658	HA201 0.60	16/09/2014	17/09/2014		
3659	HA202 GL - 0.10	16/09/2014	17/09/2014	clay loam	
3660	HA202 0.30	16/09/2014	17/09/2014	clay loam	
3661	HA202 0.55	16/09/2014	17/09/2014	sandy clay loam	
3662	HA203 GL - 0.20	16/09/2014	17/09/2014	clay loam	
3663	HA203 0.40	16/09/2014	17/09/2014	clay loam	
3664	HA203 0.55	16/09/2014	17/09/2014		
3665	HA204 GL - 0.10	16/09/2014	17/09/2014	clay loam	
3666	HA204 0.25	16/09/2014	17/09/2014	clay loam	
3667	HA204 0.40	16/09/2014	17/09/2014	clay loam	
3668	HA204 0.55	16/09/2014	17/09/2014	clay loam	
3669	HA205 GL - 0.20	16/09/2014	17/09/2014	clay loam	
3670	HA205 0.25	16/09/2014	17/09/2014	clay loam	
3671	HA205 0.40	16/09/2014	17/09/2014		
3672	HA206 GL - 0.20	16/09/2014	17/09/2014	clay loam	
3673	HA206 0.30	16/09/2014	17/09/2014	clay loam	
3674	HA206 0.50	16/09/2014	17/09/2014		
3675	HA207 GL - 0.20	16/09/2014	17/09/2014	clay loam	
3676	HA207 0.40	16/09/2014	17/09/2014	clay loam	
3677	HA207 0.50	16/09/2014	17/09/2014	clay loam	
3678	HA208 GL - 0.20	16/09/2014	17/09/2014	sandy clay loam	
3679	HA208 0.25	16/09/2014	17/09/2014	clay loam	
3680	HA208 0.50	16/09/2014	17/09/2014		
3681	HA233 GL - 0.10	16/09/2014	17/09/2014	sandy silt loam	
3682	HA233 0.30	16/09/2014	17/09/2014	clay	
3683	HA233 0.50	16/09/2014	17/09/2014	clay	



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## Results Summary

Report No.: 14-00564

### Asbestos Qualitative Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client.

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Result
3656	GL - 0.20	HA201	sandy clay loam	No asbestos detected
3657	0.40	HA201	sandy clay loam	No asbestos detected
3659	GL - 0.10	HA202	clay loam	Chrysotile
3660	0.30	HA202	clay loam	No asbestos detected
3661	0.55	HA202	sandy clay loam	No asbestos detected
3662	GL - 0.20	HA203	clay loam	No asbestos detected
3663	0.40	HA203	clay loam	No asbestos detected
3665	GL - 0.10	HA204	clay loam	No asbestos detected
3666	0.25	HA204	clay loam	No asbestos detected
3667	0.40	HA204	clay loam	No asbestos detected
3668	0.55	HA204	clay loam	No asbestos detected
3669	GL - 0.20	HA205	clay loam	No asbestos detected
3670	0.25	HA205	clay loam	No asbestos detected
3672	GL - 0.20	HA206	clay loam	No asbestos detected
3673	0.30	HA206	clay loam	Chrysotile
3675	GL - 0.20	HA207	clay loam	No asbestos detected
3676	0.40	HA207	clay loam	No asbestos detected
3677	0.50	HA207	clay loam	No asbestos detected
3678	GL - 0.20	HA208	sandy clay loam	No asbestos detected
3679	0.25	HA208	clay loam	No asbestos detected
3681	GL - 0.10	HA233	sandy silt loam	No asbestos detected
3682	0.30	HA233	clay	No asbestos detected
3683	0.50	HA233	clay	No asbestos detected



## Method Summary

Report No.: 14-00564

Parameter	Analysis Undertaken On	Date Tested	Method Number	Technique
<b>Soil</b>				
Asbestos identification	As submitted sample	23/09/2014	PMAN	Microscopy



## Report Information

Report No.: 14-00564

### Key

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U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
^	MCERTS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
I/S	Insufficient Sample
U/S	Unsuitable sample
n/e	not evaluated
<	means "less than"
>	means "greater than"

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

### Deviation Codes

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a	No date of sampling supplied
b	No time of sampling supplied (Waters Only)
c	Sample not received in appropriate containers
d	Sample not received in cooled condition
e	The container has been incorrectly filled
f	Sample age exceeds stability time (sampling to receipt)
g	Sample age exceeds stability time (sampling to analysis)

### Sample Retention and Disposal

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All soil samples will be retained for a period of one month

All water samples will be retained for 7 days following the date of the test report

Charges may apply to extended sample storage





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**THE ENVIRONMENTAL LABORATORY LTD**

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**Analytical Report Number:** 14-00593

**Issue:** 1

**Date of Issue:** 24/09/2014

**Contact:**

**Customer Details:** Leap Environmental Ltd  
The Atrium  
Curtis Road  
Dorking  
Surrey

**Quotation No:** Q14-00063

**Order No:** LP762

**Customer Reference:** Not Supplied

**Date Received:** 18/09/2014

**Date Approved:** 24/09/2014

**Details:** Former Halls Site, Paddock Wood

**Approved by:**

John Wilson, Operations Manager

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Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

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## Sample Summary

Report No.: 14-00593

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
3884	HA217 GL - 0.10	17/09/2014	19/09/2014	Sandy clayey loam	
3885	HA217 0.30	17/09/2014	19/09/2014	Clayey loam	
3886	HA217 0.50	17/09/2014	19/09/2014	Sandy clayey loam	
3887	HA218 GL - 0.20	17/09/2014	19/09/2014	Sandy silty loam	
3888	HA218 0.30	17/09/2014	19/09/2014	Sandy silty loam/clay	
3889	HA219 GL - 0.20	17/09/2014	19/09/2014	Sandy silty loam	
3890	HA219 0.30	17/09/2014	19/09/2014	Sandy silty loam/clay	
3891	HA219 0.50	17/09/2014	19/09/2014		
3892	HA220 GL - 0.10	17/09/2014	19/09/2014	Sandy silty loam	
3893	HA220 0.30	17/09/2014	19/09/2014	Sandy silty loam	
3894	HA220 0.40	17/09/2014	19/09/2014		
3895	HA221 GL - 0.10	17/09/2014	19/09/2014	Sandy silty loam	
3896	HA221 0.30	17/09/2014	19/09/2014	Sandy clayey loam	
3897	HA221 0.50	17/09/2014	19/09/2014	Sandy clayey loam	
3898	HA222 GL - 0.10	17/09/2014	19/09/2014	Sandy silty loam	
3899	HA222 0.30	17/09/2014	19/09/2014	Sandy silty loam	
3900	HA222 0.50	17/09/2014	19/09/2014		
3901	HA224 GL - 0.20	17/09/2014	19/09/2014	Sandy silty loam/clay	
3902	HA224 0.30	17/09/2014	19/09/2014	Sandy clay	
3903	HA224 0.50	17/09/2014	19/09/2014	Clayey loam	
3904	HA226 GL - 0.10	17/09/2014	19/09/2014	Silty clayey loam	
3905	HA226 0.30	17/09/2014	19/09/2014	Sandy clayey loam	
3906	HA226 0.55	17/09/2014	19/09/2014	Sandy clayey loam	
3907	HA231 GL - 0.10	17/09/2014	19/09/2014	Sandy silty loam	
3908	HA231 0.20	17/09/2014	19/09/2014	Sandy clayey loam	
3909	HA231 0.40	17/09/2014	19/09/2014	Sandy clayey loam	



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## Results Summary

Report No.: 14-00593

### Asbestos Qualitative Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client.

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Result
3884	GL - 0.10	HA217	Sandy clayey loam	No asbestos detected
3885	0.30	HA217	Clayey loam	Chrysotile
3886	0.50	HA217	Sandy clayey loam	No asbestos detected
3887	GL - 0.20	HA218	Sandy silty loam	No asbestos detected
3888	0.30	HA218	Sandy silty loam/clay	Chrysotile
3889	GL - 0.20	HA219	Sandy silty loam	Chrysotile
3890	0.30	HA219	Sandy silty loam/clay	No asbestos detected
3892	GL - 0.10	HA220	Sandy silty loam	No asbestos detected
3893	0.30	HA220	Sandy silty loam	Chrysotile
3895	GL - 0.10	HA221	Sandy silty loam	No asbestos detected
3896	0.30	HA221	Sandy clayey loam	No asbestos detected
3897	0.50	HA221	Sandy clayey loam	No asbestos detected
3898	GL - 0.10	HA222	Sandy silty loam	No asbestos detected
3899	0.30	HA222	Sandy silty loam	Chrysotile
3901	GL - 0.20	HA224	Sandy silty loam/clay	No asbestos detected
3902	0.30	HA224	Sandy clay	No asbestos detected
3903	0.50	HA224	Clayey loam	Chrysotile
3904	GL - 0.10	HA226	Silty clayey loam	No asbestos detected
3905	0.30	HA226	Sandy clayey loam	Chrysotile
3906	0.55	HA226	Sandy clayey loam	No asbestos detected
3907	GL - 0.10	HA231	Sandy silty loam	No asbestos detected
3908	0.20	HA231	Sandy clayey loam	No asbestos detected
3909	0.40	HA231	Sandy clayey loam	No asbestos detected



## Method Summary

Report No.: 14-00593

Parameter	Analysis Undertaken On	Date Tested	Method Number	Technique
<b>Soil</b>				
Asbestos identification	As submitted sample	24/09/2014	PMAN	Microscopy



## Report Information

Report No.: 14-00593

### Key

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U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
^	MCERTS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
I/S	Insufficient Sample
U/S	Unsuitable sample
n/e	not evaluated
<	means "less than"
>	means "greater than"

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

### Deviation Codes

---

- |   |  |
|---|--|
| a | No date of sampling supplied                             |
| b | No time of sampling supplied (Waters Only)               |
| c | Sample not received in appropriate containers            |
| d | Sample not received in cooled condition                  |
| e | The container has been incorrectly filled                |
| f | Sample age exceeds stability time (sampling to receipt)  |
| g | Sample age exceeds stability time (sampling to analysis) |

### Sample Retention and Disposal

---

All soil samples will be retained for a period of one month

All water samples will be retained for 7 days following the date of the test report

Charges may apply to extended sample storage



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**THE ENVIRONMENTAL LABORATORY LTD**

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**Analytical Report Number:** 14-00605

**Issue:** 1

**Date of Issue:** 24/09/2014

**Contact:**

**Customer Details:** Leap Environmental Ltd  
The Atrium  
Curtis Road  
Dorking  
Surrey

**Quotation No:** Q14-00063

**Order No:** LP762

**Customer Reference:** LPO2689

**Date Received:** 19/09/2014

**Date Approved:** 24/09/2014

**Details:** Former Halls Site, Paddock Wood

**Approved by:**

John Wilson, Operations Manager

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Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

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## Sample Summary

Report No.: 14-00605

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
3989	HA225 GL - 0.20	18/09/2014	22/09/2014	Clayey loam	
3990	HA225 0.40	18/09/2014	22/09/2014	Clayey loam	
3991	HA225 0.50	18/09/2014	22/09/2014		
3992	HA227 GL - 0.20	18/09/2014	22/09/2014	Clayey loam	
3993	HA227 0.30	18/09/2014	22/09/2014	Clayey loam	
3994	HA227 0.55	18/09/2014	22/09/2014	Clayey loam	
3995	HA228 GL - 0.10	18/09/2014	22/09/2014	Clayey loam	
3996	HA228 0.30	18/09/2014	22/09/2014	Clayey loam	
3997	HA230 GL - 0.20	18/09/2014	22/09/2014	Clayey loam	
3998	HA230 0.40	18/09/2014	22/09/2014	Clayey loam	
3999	HA230 0.50	18/09/2014	22/09/2014	Clayey loam	
4000	HA232 GL - 0.20	18/09/2014	22/09/2014	Clayey loam	
4001	HA232 0.35	18/09/2014	22/09/2014	Clayey loam	
4002	HA232 0.50	18/09/2014	22/09/2014		
4003	HA234 GL - 0.20	18/09/2014	22/09/2014	Clayey loam	
4004	HA234 0.25	18/09/2014	22/09/2014	Clayey loam	
4005	HA234 0.50	18/09/2014	22/09/2014	Clayey loam	
4006	HA238 GL - 0.20	18/09/2014	22/09/2014	Clayey loam	
4007	HA238 0.30	18/09/2014	22/09/2014	Clayey loam	
4008	HA238 0.50	18/09/2014	22/09/2014		
4009	HA228 0.40	18/09/2014	22/09/2014		



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## Results Summary

Report No.: 14-00605

### Asbestos Qualitative Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client.

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Result
3989	GL - 0.20	HA225	Clayey loam	No asbestos detected
3990	0.40	HA225	Clayey loam	No asbestos detected
3992	GL - 0.20	HA227	Clayey loam	No asbestos detected
3993	0.30	HA227	Clayey loam	No asbestos detected
3994	0.55	HA227	Clayey loam	No asbestos detected
3995	GL - 0.10	HA228	Clayey loam	Chrysotile
3996	0.30	HA228	Clayey loam	No asbestos detected
3997	GL - 0.20	HA230	Clayey loam	No asbestos detected
3998	0.40	HA230	Clayey loam	Chrysotile
3999	0.50	HA230	Clayey loam	No asbestos detected
4000	GL - 0.20	HA232	Clayey loam	No asbestos detected
4001	0.35	HA232	Clayey loam	No asbestos detected
4003	GL - 0.20	HA234	Clayey loam	No asbestos detected
4004	0.25	HA234	Clayey loam	No asbestos detected
4005	0.50	HA234	Clayey loam	No asbestos detected
4006	GL - 0.20	HA238	Clayey loam	No asbestos detected
4007	0.30	HA238	Clayey loam	Chrysotile





## Method Summary

Report No.: 14-00605

Parameter	Analysis Undertaken On	Date Tested	Method Number	Technique
<b>Soil</b>				
Asbestos identification	As submitted sample	24/09/2014	PMAN	Microscopy



## Report Information

Report No.: 14-00605

### Key

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U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
^	MCERTS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
I/S	Insufficient Sample
U/S	Unsuitable sample
n/e	not evaluated
<	means "less than"
>	means "greater than"

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

### Deviation Codes

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- a No date of sampling supplied
- b No time of sampling supplied (Waters Only)
- c Sample not received in appropriate containers
- d Sample not received in cooled condition
- e The container has been incorrectly filled
- f Sample age exceeds stability time (sampling to receipt)
- g Sample age exceeds stability time (sampling to analysis)

### Sample Retention and Disposal

---

All soil samples will be retained for a period of one month

All water samples will be retained for 7 days following the date of the test report

Charges may apply to extended sample storage



Unit A2  
Windmill Road  
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East Sussex  
TN38 9BY

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[info@elab-uk.co.uk](mailto:info@elab-uk.co.uk)

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**THE ENVIRONMENTAL LABORATORY LTD**

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**Analytical Report Number:** 14-00617

**Issue:** 1

**Date of Issue:** 25/09/2014

**Contact:** Sophie Shafi-Cooke

**Customer Details:** Leap Environmental Ltd  
The Atrium  
Curtis Road  
Dorking  
Surrey

**Quotation No:** Q14-00063

**Order No:** LP762

**Customer Reference:** LPO2696

**Date Received:** 22/09/2014

**Date Approved:** 25/09/2014

**Details:** Former Halls Site, Paddock Wood

**Approved by:** 

John Wilson, Operations Manager

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Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

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## Sample Summary

Report No.: 14-00617

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
4158	HA223 GL - 0.10	19/09/2014	23/09/2014	Clayey loam	
4159	HA223 0.30	19/09/2014	23/09/2014	Clayey loam	
4160	HA223 0.50	19/09/2014	23/09/2014		
4161	HA229 GL - 0.10	19/09/2014	23/09/2014	Clayey loam	
4162	HA229 0.20	19/09/2014	23/09/2014	Clayey loam	
4163	HA229 0.40	19/09/2014	23/09/2014		
4164	HA236 GL - 0.10	19/09/2014	23/09/2014	Clayey loam	
4165	HA236 0.30	19/09/2014	23/09/2014	Clayey loam	
4166	HA236 0.55	19/09/2014	23/09/2014		
4167	HA237 GL - 0.10	19/09/2014	23/09/2014	Clayey loam	
4168	HA237 0.25	19/09/2014	23/09/2014	Clayey loam	
4169	HA237 Cement 0.25	19/09/2014	23/09/2014	Asbestos cement board	
4170	HA237 0.55	19/09/2014	23/09/2014	Clayey loam	
4171	HA239 GL - 0.10	19/09/2014	23/09/2014	Clayey loam	
4172	HA239 0.30	19/09/2014	23/09/2014	Clayey loam	
4173	HA239 0.55	19/09/2014	23/09/2014	Clayey loam	



Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards on Sea, East Sussex, TN38 9BY  
Tel: +44 (0)1424 718618, Email: info@elab-uk.co.uk, Web: www.elab-uk.co.uk

## Results Summary

Report No.: 14-00617

### Asbestos Qualitative Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client.

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Result
4158	GL - 0.10	HA223	Clayey loam	No asbestos detected
4159	0.30	HA223	Clayey loam	No asbestos detected
4161	GL - 0.10	HA229	Clayey loam	No asbestos detected
4162	0.20	HA229	Clayey loam	Chrysotile
4164	GL - 0.10	HA236	Clayey loam	No asbestos detected
4165	0.30	HA236	Clayey loam	No asbestos detected
4167	GL - 0.10	HA237	Clayey loam	No asbestos detected
4168	0.25	HA237	Clayey loam	Chrysotile
4169	0.25	HA237 Cement	Asbestos cement board	Chrysotile
4170	0.55	HA237	Clayey loam	No asbestos detected
4171	GL - 0.10	HA239	Clayey loam	No asbestos detected
4172	0.30	HA239	Clayey loam	Chrysotile
4173	0.55	HA239	Clayey loam	No asbestos detected



## Method Summary

Report No.: 14-00617

Parameter	Analysis Undertaken On	Date Tested	Method Number	Technique
<b>Soil</b>				
Asbestos identification	As submitted sample	25/09/2014	PMAN	Microscopy



## Report Information

Report No.: 14-00617

### Key

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U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
^	MCERTS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
I/S	Insufficient Sample
U/S	Unsuitable sample
n/e	not evaluated
<	means "less than"
>	means "greater than"

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

### Deviation Codes

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- |   |  |
|---|--|
| a | No date of sampling supplied                             |
| b | No time of sampling supplied (Waters Only)               |
| c | Sample not received in appropriate containers            |
| d | Sample not received in cooled condition                  |
| e | The container has been incorrectly filled                |
| f | Sample age exceeds stability time (sampling to receipt)  |
| g | Sample age exceeds stability time (sampling to analysis) |

### Sample Retention and Disposal

---

All soil samples will be retained for a period of one month

All water samples will be retained for 7 days following the date of the test report

Charges may apply to extended sample storage



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---

**THE ENVIRONMENTAL LABORATORY LTD**

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**Analytical Report Number:** 14-00635  
**Issue:** 1  
**Date of Issue:** 24/09/2014  
**Contact:** Sophie Shafi-Cooke  
**Customer Details:** Leap Environmental Ltd  
The Atrium  
Curtis Road  
Dorking  
Surrey  
**Quotation No:** Q14-00063  
**Order No:** LP762  
**Customer Reference:** LPO2684  
**Date Received:** 16/09/2014  
**Date Approved:** 24/09/2014  
**Details:** Former Halls Site, Paddock Wood  
**Approved by:** 

John Wilson, Operations Manager

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Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

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## Sample Summary

Report No.: 14-00635

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
3684	HA209 GL - 0.20	16/09/2014	17/09/2014	clay loam	
3685	HA209 0.40	16/09/2014	17/09/2014	clay	
3686	HA209 0.50	16/09/2014	17/09/2014	clay	
3687	HA210 GL - 0.20	16/09/2014	17/09/2014	clay loam	
3688	HA210 0.30	16/09/2014	17/09/2014	clay	
3689	HA210 0.55	16/09/2014	17/09/2014		
3690	HA211 GL - 0.20	16/09/2014	17/09/2014	clay	
3691	HA211 0.35	16/09/2014	17/09/2014	clay loam	
3692	HA211 0.50	16/09/2014	17/09/2014	clay	
3693	HA212 GL - 0.20	16/09/2014	17/09/2014	clay	
3694	HA212 0.30	16/09/2014	17/09/2014	clay loam	
3695	HA212 0.50	16/09/2014	17/09/2014		
3696	HA213 GL - 0.15	16/09/2014	17/09/2014	clay	
3697	HA213 0.30	16/09/2014	17/09/2014	clay	
3698	HA213 0.50	16/09/2014	17/09/2014	clay	
3699	HA214 GL - 0.20	16/09/2014	17/09/2014	clay loam	
3700	HA214 0.40	16/09/2014	17/09/2014	clay loam	
3701	HA214 0.55	16/09/2014	17/09/2014		
3702	HA215 GL - 0.20	16/09/2014	17/09/2014	clay loam	
3703	HA215 0.30	16/09/2014	17/09/2014	clay loam	
3704	HA215 0.60	16/09/2014	17/09/2014	clay	
3705	HA216 0.20 - 0.30	16/09/2014	17/09/2014	clay loam	
3706	HA216 0.40	16/09/2014	17/09/2014	clay loam	
3707	HA216 0.55	16/09/2014	17/09/2014		
3708	HA235 GL - 0.20	16/09/2014	17/09/2014	clay loam	
3709	HA235 0.40	16/09/2014	17/09/2014	clay	
3710	HA235 0.50	16/09/2014	17/09/2014	clay loam	
3711	HA240 GL - 0.10	16/09/2014	17/09/2014	clay loam	
3712	HA240 0.30	16/09/2014	17/09/2014	clay loam	
3713	HA240 0.55	16/09/2014	17/09/2014		



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Tel: +44 (0)1424 718618, Email: info@elab-uk.co.uk, Web: www.elab-uk.co.uk

## Results Summary

Report No.: 14-00635

### Asbestos Qualitative Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client.

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Result
3684	GL - 0.20	HA209	clay loam	No asbestos detected
3685	0.40	HA209	clay	No asbestos detected
3686	0.50	HA209	clay	No asbestos detected
3687	GL - 0.20	HA210	clay loam	No asbestos detected
3688	0.30	HA210	clay	No asbestos detected
3690	GL - 0.20	HA211	clay	No asbestos detected
3691	0.35	HA211	clay loam	No asbestos detected
3692	0.50	HA211	clay	Chrysotile Crocidolite
3693	GL - 0.20	HA212	clay	Chrysotile
3694	0.30	HA212	clay loam	No asbestos detected
3696	GL - 0.15	HA213	clay	Amosite
3697	0.30	HA213	clay	Chrysotile
3698	0.50	HA213	clay	No asbestos detected
3699	GL - 0.20	HA214	clay loam	No asbestos detected
3700	0.40	HA214	clay loam	No asbestos detected
3702	GL - 0.20	HA215	clay loam	No asbestos detected
3703	0.30	HA215	clay loam	No asbestos detected
3704	0.60	HA215	clay	Chrysotile
3705	0.20 - 0.30	HA216	clay loam	No asbestos detected
3706	0.40	HA216	clay loam	No asbestos detected
3708	GL - 0.20	HA235	clay loam	No asbestos detected
3709	0.40	HA235	clay	No asbestos detected
3710	0.50	HA235	clay loam	Chrysotile
3711	GL - 0.10	HA240	clay loam	No asbestos detected
3712	0.30	HA240	clay loam	No asbestos detected



## Method Summary

Report No.: 14-00635

Parameter	Analysis Undertaken On	Date Tested	Method Number	Technique
<b>Soil</b>				
Asbestos identification	As submitted sample	23/09/2014	PMAN	Microscopy



## Report Information

Report No.: 14-00635

### Key

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U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
^	MCERTS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
I/S	Insufficient Sample
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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

### Deviation Codes

---

a	No date of sampling supplied
b	No time of sampling supplied (Waters Only)
c	Sample not received in appropriate containers
d	Sample not received in cooled condition
e	The container has been incorrectly filled
f	Sample age exceeds stability time (sampling to receipt)
g	Sample age exceeds stability time (sampling to analysis)

### Sample Retention and Disposal

---

All soil samples will be retained for a period of one month

All water samples will be retained for 7 days following the date of the test report

Charges may apply to extended sample storage

## CERTIFICATE OF ANALYSIS

<b>ANALYSIS REQUESTED BY:</b>	The Environmental Laboratory	<b>CONTRACT NO:</b> 40705
	Ltd	
	Unit 2A, Windmill Road	<b>PROJECT NO:</b> 610
	Ponswood Industrial Estate	
	St Leonard's on Sea	<b>DATE OF ISSUE:</b> 02.10.14
	East Sussex	
	TN38 9BY	

**DATE SAMPLES RECEIVED:** 25.09.14

**DATE SAMPLES ANALYSED:** 02.10.14

**SAMPLE DESCRIPTION:** Two soil/loose aggregate samples each weighing approximately 200g.

**ANALYSIS REQUESTED:** Qualitative and quantitative analysis of soil/loose aggregate samples for mass determination of asbestos.

### METHODS:

**Qualitative** - The samples were analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in HSG 248.

**Quantitative** - The analysis was carried out using our documented in-house method based on HSE Contract Research Report No. 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies *et al*, 1996) and HSG 248. Our method includes initial examination of the entire sample, detailed analysis of a representative sub-sample and quantification by hand picking/weighing and/or fibre counting/sizing as appropriate.

### RESULTS:

#### Initial Screening

No asbestos was detected in either of the soil sample by stereo-binocular and polarised light microscopy.

A summary of the results is given in Table 1.



CONTRACT NO: 40705  
PROJECT NO: 610  
DATE OF ISSUE: 02.10.14

**RESULTS: (cont.)**

**Table 1: Qualitative Results**

**Job Ref: 14-00564**

IOM Sample Number	Client Sample Number	ACM Type Detected	PLM Result
S31809 ✓	3659 HA 202 GL-0.10	-	No Asbestos Detected
S31810 ✓	3673 HA 206 0.30	-	No Asbestos Detected

Our detection limit for this method is 0.001%.

**COMMENTS**

IOM Consulting cannot accept responsibility for samples that have been incorrectly collected or despatched by external clients.

Any opinions and interpretations expressed herein are out with the scope of our UKAS accreditation.

AUTHORISED BY: .....

**J Reid**  
*Senior Scientific Technician*

## CERTIFICATE OF ANALYSIS

**ANALYSIS REQUESTED BY:** The Environmental Laboratory Ltd  
Unit 2A, Windmill Road  
Ponswood Industrial Estate  
St Leonard's on Sea  
East Sussex  
TN38 9BY

**CONTRACT NO:** 40706  
**PROJECT NO:** 610  
**DATE OF ISSUE:** 02.10.14

**DATE SAMPLES RECEIVED:** 25.09.14

**DATE SAMPLES ANALYSED:** 02.10.14

**SAMPLE DESCRIPTION:** Six soil/loose aggregate samples each weighing approximately 200-300g

**ANALYSIS REQUESTED:** Qualitative and quantitative analysis of soil/loose aggregate samples for mass determination of asbestos.

### METHODS:

**Qualitative** - The samples were analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in HSG 248.

**Quantitative** - The analysis was carried out using our documented in-house method based on HSE Contract Research Report No. 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies *et al*, 1996) and HSG 248. Our method includes initial examination of the entire sample, detailed analysis of a representative sub-sample and quantification by hand picking/weighing and/or fibre counting/sizing as appropriate.

### RESULTS:

#### Initial Screening

Asbestos was detected in all six of the soil samples by stereo-binocular and polarised light microscopy.

A summary of the qualitative and quantitative results are given in Tables 1 & 2 respectively.

CONTRACT NO: 40706  
PROJECT NO: 610  
DATE OF ISSUE: 02.10.14



**RESULTS: (cont.)**

**Table 1: Qualitative Results:**

Job Ref: 14-00635

IOM Sample Number	Client Sample Number	ACM Type Detected	PLM Result
S31811	3692 HA 211 0.50	Cement <sup>1</sup> & Free Fibres	Chrysotile
S31812	3693 HA 212 GL-0.20	Cement <sup>1</sup> & Free Fibres	Chrysotile
S31813	3696 HA 213 GL-0.15	Free Fibres	Chrysotile & Amosite
S31814	3697 HA 213 0.30	Thermal Insulation <sup>2</sup>	Chrysotile
S31815	3704 HA 215 0.60	Cement <sup>2</sup>	Chrysotile
S31816	3710 HA 235 0.50	Loose Insulation <sup>2</sup>	Chrysotile

Our detection limit for this method is 0.001%.

**Table 2: Quantitative Analysis Results**

Client Sample Number	Sample Weight (g)	% Asbestos in Sample from ACM's	% Asbestos in Sample as Unbound Fibres	Total % Asbestos in Sample
3692 HA 211 0.50	289	0.007	0.004	0.011
3693 HA 212 GL-0.20	233	0.008	0.004	0.012
3696 HA 213 GL-0.15	222	-	0.004	0.004
3697 HA 213 0.30	230	0.027	-	0.027
3704 HA 215 0.60	169	0.009	-	0.009
3710 HA 235 0.50	231	-	0.030	0.030

- not applicable

Our limit of quantification for gravimetric analysis of soil samples is 0.001%.  
The detection limit for fibre counting/sizing is around 0.0001% with a limit of quantification of 0.001%.

**COMMENTS**

- <sup>1</sup> ACM was visible during initial examination of the sample.
- <sup>2</sup> ACM was detected during microscopic examination of the sample.

IOM Consulting cannot accept responsibility for samples that have been incorrectly collected or despatched by external clients.

Any opinions and interpretations expressed herein are out with the scope of our UKAS accreditation.

AUTHORISED BY: .....

**J Reid**  
Senior Scientific Technician



## CERTIFICATE OF ANALYSIS

<b>ANALYSIS REQUESTED BY:</b>	The Environmental	<b>CONTRACT NO:</b>	40723
	Laboratory Ltd	<b>PROJECT NO:</b>	610
	Unit 2A, Windmill Road	<b>DATE OF ISSUE:</b>	03.10.14
	Ponswood Industrial Estate		
	St Leonard's on Sea		
	East Sussex		
	TN38 9BY		

**DATE SAMPLES RECEIVED:** 26.09.14

**DATE SAMPLES ANALYSED:** 03.10.14

**SAMPLE DESCRIPTION:** Seven soil/loose aggregate samples each weighing approximately 200g

**ANALYSIS REQUESTED:** Qualitative and quantitative analysis of soil/loose aggregate samples for mass determination of asbestos.

### METHODS:

**Qualitative** - The samples were analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in HSG 248.

**Quantitative** - The analysis was carried out using our documented in-house method based on HSE Contract Research Report No. 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies *et al*, 1996) and HSG 248. Our method includes initial examination of the entire sample, detailed analysis of a representative sub-sample and quantification by hand picking/weighing and/or fibre counting/sizing as appropriate.

### RESULTS:

#### Initial Screening

Asbestos was detected in six of the seven soil samples by stereo-binocular and polarised light microscopy.

A summary of the qualitative and quantitative results are given in Tables 1 & 2 respectively.



CONTRACT NO: 40723  
 PROJECT NO: 610  
 DATE OF ISSUE: 03.10.14



**RESULTS: (cont.)**

**Table 1: Qualitative Results:**

Job Ref: 14-00593

IOM Sample Number	Client Sample Number	ACM Type Detected	PLM Result
S31847	3885 HA217 0.30	Free Fibres	Chrysotile
S31848	3888 HA218 0.30	Cement <sup>1</sup> & Free Fibres	Chrysotile
S31849	3889 HA219 GL-0.20	Free Fibres	Chrysotile
S31850	3893 HA220 0.30	Cement <sup>1</sup> & Free Fibres	Chrysotile
S31851	3899 HA222 0.30	-	No Asbestos Detected
S31852	3903 HA224 0.50	Cement <sup>1</sup> & Free Fibres	Chrysotile
S31853	3905 HA226 0.30	Cement <sup>1</sup>	Chrysotile

Our detection limit for this method is 0.001%.

**Table 2: Quantitative Analysis Results**

Client Sample Number	Sample Weight (g)	% Asbestos in Sample from ACM's	% Asbestos in Sample as Unbound Fibres	Total % Asbestos in Sample
3885 HA217 0.30	181	-	0.003	0.003
3888 HA218 0.30	244	0.159	0.002	0.161
3889 HA219 GL-0.20	192	-	0.003	0.003
3893 HA220 0.30	217	0.037	0.002	0.039
3903 HA224 0.50	155	1.967	0.002	1.969
3905 HA226 0.30	215	-	0.001	0.001

- not applicable

Our limit of quantification for gravimetric analysis of soil samples is 0.001%.  
 The detection limit for fibre counting/sizing is around 0.0001% with a limit of quantification of 0.001%.

**COMMENTS**

<sup>1</sup> ACM was visible during initial examination of the sample.

IOM Consulting cannot accept responsibility for samples that have been incorrectly collected or despatched by external clients.

Any opinions and interpretations expressed herein are out with the scope of our UKAS accreditation.

AUTHORISED BY: .....  
 J Reid



*Senior Scientific Technician*

## CERTIFICATE OF ANALYSIS

**ANALYSIS REQUESTED BY:** The Environmental Laboratory Ltd  
Unit 2A, Windmill Road  
Ponswood Industrial Estate  
St Leonard's on Sea  
East Sussex  
TN38 9BY

**CONTRACT NO:** 40724  
**PROJECT NO:** 610  
**DATE OF ISSUE:** 03.10.14

**DATE SAMPLES RECEIVED:** 26.09.14

**DATE SAMPLES ANALYSED:** 03.10.14

**SAMPLE DESCRIPTION:** Three soil/loose aggregate samples each weighing approximately 200g

**ANALYSIS REQUESTED:** Qualitative and quantitative analysis of soil/loose aggregate samples for mass determination of asbestos.

### METHODS:

**Qualitative** - The samples were analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in HSG 248.

**Quantitative** - The analysis was carried out using our documented in-house method based on HSE Contract Research Report No. 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies *et al*, 1996) and HSG 248. Our method includes initial examination of the entire sample, detailed analysis of a representative sub-sample and quantification by hand picking/weighing and/or fibre counting/sizing as appropriate.

### RESULTS:

#### Initial Screening

Asbestos was detected in two of the three soil samples by stereo-binocular and polarised light microscopy.

A summary of the qualitative and quantitative results are given in Tables 1 & 2 respectively.

CONTRACT NO: 40724  
PROJECT NO: 610  
DATE OF ISSUE: 03.10.14

**RESULTS: (cont.)**

**Table 1: Qualitative Results:**

Job Ref: 14-00605

IOM Sample Number	Client Sample Number	ACM Type Detected	PLM Result
S31854	3995 HA228 GL-0.10	Cement <sup>1</sup>	Chrysotile
S31855	3998 HA230 0.40	Loose Insulation <sup>2</sup>	Chrysotile
S31856	4007 HA238 0.30	-	No Asbestos Detected

Our detection limit for this method is 0.001%.

**Table 2: Quantitative Analysis Results**

Client Sample Number	Sample Weight (g)	% Asbestos in Sample from ACM's	% Asbestos in Sample as Unbound Fibres	Total % Asbestos in Sample
3995 HA228 GL-0.10	219	0.008	-	0.008
3998 HA230 0.40	164	-	0.003	0.003

- not applicable

Our limit of quantification for gravimetric analysis of soil samples is 0.001%.

The detection limit for fibre counting/sizing is around 0.0001% with a limit of quantification of 0.001%.

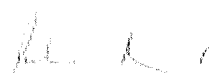
**COMMENTS**

<sup>1</sup> ACM was visible during initial examination of the sample.

<sup>2</sup> ACM was detected during microscopic examination of the sample.

IOM Consulting cannot accept responsibility for samples that have been incorrectly collected or despatched by external clients.

Any opinions and interpretations expressed herein are out with the scope of our UKAS accreditation.



AUTHORISED BY: .....

**J Reid**  
*Senior Scientific Technician*

## CERTIFICATE OF ANALYSIS

**ANALYSIS REQUESTED BY:** The Environmental Laboratory Ltd  
Unit 2A, Windmill Road  
Ponswood Industrial Estate  
St Leonard's on Sea  
East Sussex  
TN38 9BY

**CONTRACT NO:** 40725  
**PROJECT NO:** 610  
**DATE OF ISSUE:** 03.10.14

**DATE SAMPLES RECEIVED:** 26.09.14

**DATE SAMPLES ANALYSED:** 03.10.14

**SAMPLE DESCRIPTION:** Three soil/loose aggregate samples each weighing approximately 100-200g

**ANALYSIS REQUESTED:** Qualitative and quantitative analysis of soil/loose aggregate samples for mass determination of asbestos.

### METHODS:

**Qualitative** - The samples were analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in HSG 248.

**Quantitative** - The analysis was carried out using our documented in-house method based on HSE Contract Research Report No. 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies *et al.*, 1996) and HSG 248. Our method includes initial examination of the entire sample, detailed analysis of a representative sub-sample and quantification by hand picking/weighing and/or fibre counting/sizing as appropriate.

### RESULTS:

#### Initial Screening

Asbestos was detected in all three of the soil samples by stereo-binocular and polarised light microscopy.

A summary of the qualitative and quantitative results are given in Tables 1 & 2 respectively.

CONTRACT NO: 40725  
PROJECT NO: 610  
DATE OF ISSUE: 03.10.14

RESULTS: (cont.)

Table 1: Qualitative Results:

Job Ref: 14-00617

IOM Sample Number	Client Sample Number	ACM Type Detected	PLM Result
S31857	4162 HA229 0.20	Thermal Insulation <sup>1</sup>	Chrysotile & Crocidolite
S31858	4168 HA237 0.25	Cement <sup>1</sup>	Chrysotile
S31859	4172 HA239 0.30	Cement <sup>1</sup> & Free fibres	Chrysotile

Our detection limit for this method is 0.001%.

Table 2: Quantitative Analysis Results

Client Sample Number	Sample Weight (g)	% Asbestos in Sample from ACM's	% Asbestos in Sample as Unbound Fibres	Total % Asbestos in Sample
4162 HA229 0.20	145	0.012	-	0.012
4168 HA237 0.25	148	3.526	-	3.526
4172 HA239 0.30	168	0.094	0.004	0.098

- not applicable

Our limit of quantification for gravimetric analysis of soil samples is 0.001%.

The detection limit for fibre counting/sizing is around 0.0001% with a limit of quantification of 0.001%.

COMMENTS

<sup>1</sup> ACM was visible during initial examination of the sample.

IOM Consulting cannot accept responsibility for samples that have been incorrectly collected or despatched by external clients.

Any opinions and interpretations expressed herein are out with the scope of our UKAS accreditation.

AUTHORISED BY: .....

**J Reid**  
Senior Scientific Technician

## APPENDIX F

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Summary Tables



Table F1: Summary of heavy metal test results GL-300mm

Determinant	Arithmetic Mean (mg/kg)	No. of samples	LCL <sub>95</sub> (mg/kg)	Non Normal Lower Bound Evidence Level (%)	Non Normal Upper Bound Evidence Level (%)	Assessment Criteria (GAC unless specified mg/kg)	No. of Samples which exceed AC
Arsenic	13.9	53	11.6	0	0	32	0
Cadmium	0.53	53	0.45	0	0	10	0
Trivalent Chromium	26.3	53	18	0	0	3000	0
Hexavalent Chromium	2	53	2	0	0	4.3	0
Lead	129.3	53	3.9	1	0	200 (C4SL)	3
Mercury	0.8	53	0.3	0	0	170 <sup>1</sup>	0
Nickel	18.1	53	15.4	0	0	130	0
Copper	34	53	12.2	0	0	2330	0
Zinc	34	53	86	0	0	3750	0
Selenium	1.0	53	0.9	0	0	350	0

Notes to table

1. Assessment criterion based on inorganic Mercury

Table F2: Summary of heavy metal test results >300mm-600mm

Determinant	Arithmetic Mean (mg/kg)	No. of samples	LCL <sub>95</sub> (mg/kg)	Non Normal Lower Bound Evidence Level (%)	Non Normal Upper Bound Evidence Level (%)	Assessment Criteria (GAC unless specified mg/kg)	No. of Samples which exceed AC
				Normal Distribution Evidence Level (%)			
Arsenic	12.45	34	11.5	0		32	0
Cadmium	0.5	34	0.4	0	0	10	0
Trivalent Chromium	21.8	34	19.9	0		3000	0
Hexavalent Chromium	2	34	2	0	0	4.3	0
Lead	55.5	34	19.4	0	0	200 (C4SL)	1
Mercury	0.5	34	0.4	0	0	170 <sup>1</sup>	0
Nickel	18.5	34	16.9	0		130	0
Copper	24	34	7.8	0	0	2330	0
Zinc	99.9	34	762	0	0	3750	0
Selenium	1	34	1	0	0	350	0

Notes to table1

1. Assessment criterion based on inorganic Mercury

**Table F3: Summary of heavy metal test results >600mm**

Determinant	Arithmetic Mean (mg/kg)	No. of samples	LCL <sub>95</sub> (mg/kg)	Non Normal Lower Bound Evidence Level (%)	Non Normal Upper Bound Evidence Level (%)	Assessment Criteria (mg/kg)	No. of Samples which exceed AC
				Normal Distribution Evidence Level (%)			
Arsenic	12.4	37	11.3	0		32	0
Cadmium	0.5	37	0.5	0	0	10	0
Trivalent Chromium	30	37	28.3	0		3000	0
Hexavalent Chromium	2	37	2	0	0	4.3	0
Lead	33.9	37	14.9	0	0	200	0
Mercury	0.6	37	0.1	0	0	170 <sup>1</sup>	0
Nickel	24.8	37	18.2	0	0	130	0
Copper	22	37	20.3	0		2330	0
Zinc	83	37	62.8	0	0	3750	0
Selenium	1.0	37	0.95	0	0	350	0

*Notes to table1 Assessment criterion based on inorganic Mercury*

Table F4: Summary of PAH test results GL-300mm

Determinant	Arithmetic Mean (mg/kg)	No. of samples	LCL <sub>95</sub> (mg/kg)	Non Normal Lower Bound Evidence Level (%)	Non Normal Upper Bound Evidence Level (%)	Assessment Criteria (GAC unless specified mg/kg)	No. of Samples which exceed AC
Acenaphthene	0.12	53	0.08	0	0	210	0
Acenaphthylene	0.17	53	0.09	0	0	170	0
Anthracene	0.31	53	0.06	0	0	2300	0
Benzo(a)anthracene	1.47	53	0.27	0	0	3.1	6
Benzo(a)pyrene	1.65	53	0.45	0	0	5 (C4SL)	4
Benzo(b)fluoranthene	1.37	53	0.35	0	0	5.6	3
Benzo(G,H,I)Perylene	1.05	53	0.31	0	0	44	0
Benzo(k)fluoranthene	1.25	53	0.36	0	0	8.5	0
Chrysene	1.40	53	0.35	0	0	6	3
Dibenz(ah)anthracene	0.32	53	0.08	0	0	0.76	3
Fluoranthene	2.65	53	0.34	0	0	260	0
Fluorene	0.12	53	0.08	0	0	160	0
Indeno(1,2,3-cd)pyrene	0.93	53	0.22	0	0	3.2	3
Naphthalene	0.12	53	0.09	0	0	1.5	0
Phenanthrene	0.91	53	0.04	0	0	92	0
Pyrene	2.25	53	0.30	0	0	560	0

Table F5: Summary of PAH test results >300mm-600mm

Determinant	Arithmetic Mean (mg/kg)	No. of samples	LCL <sub>95</sub> (mg/kg)	Stand. Dev. (mg/kg)	Non Normal Lower Bound Evidence Level (%)	Non Normal Upper Bound Evidence Level (%)	Assessment Criteria (GAC unless specified mg/kg)	No. of Samples which exceed AC
Acenaphthene	0.11	33	0.08	0.04	0	0	210	0
Acenaphthylene	0.28	33	0.02	0.33	0	0	170	0
Anthracene	0.37	33	0.02	0.46	0	0	2300	0
Benzo(a)anthracene	5.90	33	<0	<b>24.72</b>	30	74	3.1	6
Benzo(a)pyrene	1.85	33	<0	2.64	0	0	5 (C4SL)	4
Benzo(b)fluoranthene	1.41	33	<0	2.01	0	0	5.6	1
Benzo(G,H,I)Perylene	3.37	33	<0	12.87	0	0	44	0
Benzo(k)fluoranthene	1.51	33	<0	2.12	0	0	8.5	1
Chrysene	1.65	33	<0	2.39	0	0	6	1
Dibenz(ah)anthracene	1.39	33	<0	<b>6.07</b>	26	72	0.76	4
Fluoranthene	2.74	33	<0	4.22	0	0	260	0
Fluorene	0.28	33	<0	0.89	0	0	160	0
Indeno(1,2,3-cd)pyrene	3.51	33	<0	<b>14.29</b>	1	55	3.2	2
Naphthalene	0.16	33	0.05	0.16	0	0	1.5	0
Phenanthrene	0.90	33	<0	1.31	0	0	92	0
Pyrene	2.47	33	<0	3.74	0	0	560	0

Table F6: Summary of PAH test results >600mm

Determinant	Arithmetic Mean (mg/kg)	No. of samples	LCL <sub>95</sub> (mg/kg)	Non Normal Lower Bound Evidence Level (%)	Non Normal Upper Bound Evidence Level (%)	Assessment Criteria (GAC unless specified mg/kg)	No. of Samples which exceed AC
Acenaphthene	0.42	36	<0	0	0	210	0
Acenaphthylene	0.26	36	<0	0	0	170	0
Anthracene	0.71	36	<0	0	0	2300	0
Benzo(a)anthracene	0.97	36	<0	0	0	3.1	1
Benzo(a)pyrene	1.10	36	<0	0	0	5 (C4SL)	3
Benzo(b)fluoranthene	0.86	36	<0	0	0	5.6	2
Benzo(G,H,I)Perylene	0.68	36	<0	0	0	44	0
Benzo(k)fluoranthene	0.86	36	<0	0	0	8.5	0
Chrysene	0.95	36	<0	0	0	6	3
Dibenz(ah)anthracene	0.28	36	<0	0	0	0.76	4
Fluoranthene	1.96	36	<0	0	0	260	0
Fluorene	0.38	36	<0	0	0	160	0
Indeno(1,2,3-cd)pyrene	0.52	36	<0	0	0	3.2	2
Naphthalene	0.28	36	<0	0	0	1.5	1
Phenanthrene	1.28	36	<0	0	0	92	1
Pyrene	1.74	36	<0	0	0	560	0

Table F7: Summary of PHC GL-0.3

Determinant	Range of Results (mg/kg)	Generic Assessment Criteria (mg/kg) Residential with plant uptake 1% SOM	Samples that exceed GAC
PHC Aliphatic C5-6	<0.01	30	None
PHC Aliphatic C6-8	<0.01	73	None
PHC Aliphatic C8-10	<0.01-3.5	19	None
PHC Aliphatic C10-12	<0.1-17.7	93	None
PHC Aliphatic C12-16	<0.1-87.1	740	None
PHC Aliphatic C16-35	<0.1-152	45000	None
PHC Aromatic C5-7	<0.01	65	None
PHC Aromatic C7-8	<0.01	120	None
PHC Aromatic C8-10	<0.1-2.82	27	None
PHC Aromatic C10-12	<0.1-69.2	69	One-WS120@1.8m
PHC Aromatic C12-16	<0.10-203.7	140	One -WS122 @1.9m
PHC Aromatic C16-21	<0.10-266	250	One -WS122 @1.9m
PHC Aromatic C21-35	<0.10-281	890	None

Table F8: Summary of VOCs all depth

Depth of Sample (mm)	Limit of detection (mg/kg)	No. of samples above LOD	VOC compounds	Samples	Recorded (mg/kg)	PID (ppm)	GAC (mg/kg)
G.L-300	0.010	0	n/a	None	n/a	n/a	n/a
300-600	0.010	0	n/a	None	n/a	n/a	n/a
>600	0.010	3	Trichloroethylene	WS129 @2.5m	0.800	15	0.49
			Cis-1,2-Dichloroethene	WS129 @2.5m	0.030	15	0.30
			1,3,5-Trimethylbenzene	WS111 @1.5m	0.018	9.5	None available however Benzene is 0.33mg/kg.



Table F9: Summary of SVOCs

No. of samples above LOD	SVOC compound	Recorded Range (mg/kg)	GAC where available (mg/kg)	No. of samples above GAC
29	Dibenzofuran	0.011 – 1.221	12	0
33	2-Methylnaphthalene	0.012 - 9.18	66	0
33	1-Methylnaphthalene	0.010 - 11.2	32	0
5	Phenol	0.037 – 0.195	210	0
3	2,4-Dimethylphenol	0.020- 0.095	96	0
1	1,4-Dichlorobenzene	0.169	91 (1,2 dichlorobenzene)	0
3	2 Methylphenol	0.010- 0.157	403	0
1	3-Methylphenol	0.17	399	0
1	4-Chloroaniline	0.055	None Available*	Note Limit of detection is 0.001
2	Diethylphthalate	0.020 – 0.021	587	0

Table F10: Summary of suspected ACM based on visual inspection of soils

Borehole with visual evidence of suspected fibrous material	Depth of Suspected Sample (m)	Results of Screen	Location of Borehole
WS101	0.25	No asbestos – Plasterboard insulation	Rear garden
WS104	0.30	Chrysotile (White asbestos)	Front communal verging in front of flats.
	0.40	Amosite (Brown Asbestos)	
	0.70	Chrysotile (White Asbestos)	
	1.0	Amosite (Brown Asbestos), Chrysotile (White Asbestos), Crocidolite (Blue Asbestos)	
WS109	0.60	Chrysotile (White Asbestos) Crocidolite (Blue Asbestos)	Front communal grassed area for flats.
WS118	0.40	Amosite (Brown Asbestos)	Verge with tree in corner of car park
	0.5	Amosite (Brown Asbestos)	
WS124	0.2	Chrysotile (White Asbestos)	Soft landscaping /verge in car park.
	0.4	Chrysotile (White Asbestos) Amosite (Brown Asbestos)	
WS133a	0.25	No asbestos identified	Front garden
WS164b	0.20	Asbestos Cement Chrysotile (White)	Planting beds alongside house
WS141	0.80	Chrysotile (White Asbestos) Crocidolite (Blue Asbestos)	Soft landscaping /verge in car park.
WS158	0.4	Chrysotile	Front gravel driveway

Table F11: Summary ACM locations based laboratory screening of soils GL-300mm

Depth	Total No of screens	No of positive asbestos ID's	Sample	Sample depth (mm)	Location	Asbestos Type	Quantification Result (%)
GL-300mm	81	10	WS104	0.3	Front communal verging in front of flats.	Chrysotile	None Identified*
			WS124	0.2	Soft landscaping /verge in car park.	Chrysotile - Cement	n/a#
			WS129	0.3	Rear garden	Chrysotile - Cement	0.014
			WS132	0.3	Soft landscaping /verge in car park.	Crocidolite - Free Fibres	0.002
			WS138	0.3	Front garden	Chrysotile - Bound Insulation	0.019
			WS139	0.1	Rear garden	Chrysotile - Loose Insulation	0.002
			WS140B	0.3	Rear Garden	Chrysotile (Cement tile)	None Identified*
			WS162	0.1	Communal landscaping	Chrysotile - Bitumen	0.001
			WS164B	0.2	Planting beds alongside house	Chrysotile - Cement Sheet	n/a
			WS151	0.3	Front Garden	Chrysotile - Bound Insulation and Free Fibres	0.011

Table F12: Summary ACM locations based laboratory screening of soils >300-600mm

Depth	Total number of screens	No. of positive asbestos ID's	Sample	Sample depth (mm)	Location	Asbestos Type	Quantification Result (%)
>300mm-600mm	71	17	WS102a	0.5	Side Garden	Amosite - Bound Insulation	0.003
			WS102a	0.5	Side Garden	Chrysotile & Crocidolite & Amosite - free fibres	0.004
			WS103	0.4	Rear Garden	Chrysotile & Crocidolite - Bound Insulation	0.003
			WS104	0.4	Soft landscaping /verge in car park.	Amosite	None Identified*
			WS106	0.5	Soft landscaping /verge in car park.	Chrysotile - Loose Insulation	0.002
			WS107B	0.4	Front communal verging in front of flats.	Amosite	0.002
			WS108	0.5	Communal rear gardens to flats.	Chrysotile	None Identified*
			WS109	0.6	Communal front gardens to flats.	Chrysotile & Crocidolite - Bound Insulation	0.876
			WS111	0.5	Car park verge	Chrysotile - Bound Insulation	0.030
			WS114	0.4	Front garden/driveway	Amosite - Loose Insulation	0.007
			WS116	0.4	Communal rear gardens to flats.	Chrysotile - Cement and Free Fibres	0.474

			WS118	0.4	Corner verge in car park	Amosite - Bound Insulation	0.037
			WS118	0.5	Corner verge in car park	Amosite & Chrysotile - Cement and Free Fibres	0.074
			WS124	0.4	Corner verge in car park	Chrysotile & Amosite - Cement and Free Fibres	0.074
			WS125	0.5	Rear Garden	Chrysotile - Cement	2.028
			WS142	0.6	Road Verge	Chrysotile & Crocidolite & Amosite - Bound Insulation	0.002
			WS158	0.4	Gravel driveway	Chrysotile - Cement	0.014
			WS166	0.6	Car Park	Chrysotile - Bound & loose Insulation & Cement	0.059

\* Where Elab have undertaken a screen- identified asbestos has been removed and prepared for microscope study to confirm the type of asbestos. The remaining sample was then sent to IOM for quantification. In some cases IOM have not identified any remaining asbestos as it has been screened out.

Table F13: Summary ACM locations based laboratory screening of soils >600mm

Depth	Total number of screens	Number of positive asbestos ID's	Sample	Sample depth (mm)	Location	Asbestos Type	Quantification Result (%)
>600mm	51	7	WS102	0.7	Side Garden	Chrysotile	None Identified*
			WS104	0.7	Soft landscaping /verge in car park	Chrysotile - Cement	0.001
			WS104	1	Soft landscaping /verge in car park	Amosite & Chrysotile, Crocidolite - Loose Insulation	0.023
			WS129	0.7	Rear Garden	Chrysotile - Cement and Loose Insulation	0.019
			WS138	0.9	Front Garden	Chrysotile	None Identified*
			WS141	0.8	Soft landscaping /verge in car park	Chrysotile & Crocidolite - Cement	1.236
			WS147	0.8	Communal rear gardens to flats	Chrysotile & Amosite	0.002

Table F14: Summary of Groundwater Test Results

Determinant (All total unless otherwise specified)	Measured Range (µg/l)	Tier 1 Assessment Criteria (µg/l)		Samples that exceed assessment criterion
		UK Drinking Water Standard <sup>2</sup>	EQS (freshwater all fish life)	
Arsenic	<5	10		
Boron	<5	1000		
Chromium	<5	50		0
Cadmium	<1	5	5	0
Copper	<5-7	2000	5-120 <sup>1</sup>	0
Lead	<1	25		0
Mercury	<0.1	1		0
Nickel	2-11	20		0
Selenium	<5-7	10		0
Zinc	5-11		30-2000 <sup>1</sup>	0
Total PAH <i>Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(ghi)perylene and indeno(1,2,3-cd)Pyrene</i>	<0.01-0.63	10 <sup>3</sup>		0
Benzo(a)pyrene	<0.01-0.22		0.05 <sup>6</sup>	One- WS138
Benzo(b)fluoranthene & Benzo(k)fluoranthene	<0.01-0.35		0.03 <sup>6</sup>	Two- WS102 & WS138
Benzo(g,h,i)perylene & Indeno(1,2,3-cd)pyrene	<0.01-0.07		0.002 <sup>6</sup>	One- WS138
Total Petroleum Hydrocarbons PHC	<10	10 <sup>4</sup>		0
pH	6.3-8		6-9	0
Cyanide (total)	<20	50		0

Notes to Table

1. Range in Assessment criterion representing variation in dissolved CaCO<sub>3</sub> within waters and type of fish being protected – based on Council Directive 78/659/EEC
2. Assessment criteria equivalent to UK Drinking Water Standards (2000)
3. *Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(ghi)perylene and indeno(1,2,3-cd)Pyrene*
4. Assessment Criterion based on former target concentration for dissolved or emulsified hydrocarbons (now withdrawn).
5. Water Framework Directive. Annual average.

Table F15: Summary of suspected Asbestos Containing Material based on visual inspection of soils

Borehole with visual evidence of suspected asbestos containing material	Depth of Suspected Sample (m)	Results of Laboratory Screen	Results of Laboratory Quantification
HA204	0.55	No asbestos identified	n/a
HA211	0.50	Chrysotile (White asbestos) and Crocidolite (Blue Asbestos)	Cement and free fibres 0.011%
HA220	0.30	Chrysotile (White Asbestos)	Cement and free fibres 0.039%
HA224	GL-0.20	No asbestos identified	n/a
	0.5	Chrysotile (White Asbestos)	Cement and free fibres 1.969%
HA227	GI-0.20	No asbestos identified	n/a
HA228	0.30	No asbestos identified	n/a
HA235	0.5	Chrysotile (White Asbestos)	Loose Insulation 0.030%
HA237	0.25	Chrysotile (White Asbestos)	Cement Board 3.52%
HA239	0.30	Chrysotile (White Asbestos)	Cement and free fibres 0.098%