

GLEESON STRATEGIC LAND / RYDON HOMES

Mr Paul Slingo / Ms Erica Peck
(By email)

21 November 2019

Subject: Land North of Water Lane, Angmering – Supplementary Site Investigation
Our ref: L-19495-2.4.2-19-S593-DCE

Dear Paul, Erica,

Further to the supplementary investigation work undertaken at the above site, we are pleased to provide this letter report which gives an account of the ground conditions encountered, provides updated recommendations with respect to foundations, assessment of contamination in the south western parcel and further assessment of contamination in the Motorsports Centre.

Intrusive Investigation

Idom Merebrook Ltd (Idom) attended site between 21 and 24 October 2019 to undertake investigation works in the Motorsports Centre, the south western parcel and two areas in the west and southwest of the main site.

The recent investigation comprised the following exploratory holes:

- Seven windowless sample holes (MWS201 - MWS207) advanced to a maximum depth of 5.45 metres below ground level (m bgl); and
- Twenty-two machine-dug trial pits (MTP201 – MTP222) excavated to a maximum depth of 2.8 m bgl.

Windowless sample holes were advanced using a small tracked sampling rig. Standard Penetration Tests (SPTs) were performed at regular intervals in the windowless sample holes. The tests involved driving a steel split spoon or cone tipped series of rods into the ground over a distance of 450 mm using the repeated blows of a 63.5 kg weight allowed to free fall over a distance of 760 mm. The total number of blows required for the final 300 mm penetration (the 'N' value) is recorded on the attached logs.

A rubber-tracked 8T 360° excavator was used to excavate the trial pits. *In situ* undrained shear strength tests were carried out within the natural cohesive soils using a hand shear vane.

The exploratory hole locations are shown on Drawing No. 19495-304-004 Rev.A, which is attached to this letter, along with exploratory hole logs.

Investigation in Motorsports Centre

A supplementary investigation was carried out in the Motorsports Centre in an attempt to determine the extent of contaminated soils encountered during the previous Idom investigation carried out in September 2015.

During the 2015 investigation, elevated levels of PAH were detected in four locations, whilst elevated lead was revealed in one location.

Ground Conditions

Trial pits were mainly located within banked areas around the Motorsports Centre and revealed variable thicknesses of made ground generally described as reworked clay containing variable amounts of man-made materials, such as brick, concrete, glass, polythene, plastic, clay pipe, metal and asphalt. In MTP209, many large tyres were observed from a depth of 1.4 m bgl.

A slight hydrocarbon odour was noted in three trial pits (MTP205, MTP207 and MTP208).

Beneath the made ground, natural soils, where encountered, typically comprised soft light brown clay.

Groundwater was generally absent from the soils exposed in the trial pits.

Soil Quality

A total of seven soil samples of made ground were submitted to the laboratory for chemical analysis. The laboratory chemical analysis certificates are attached to this letter, whilst results are summarised in Table 1 below.

An initial screening exercise has been undertaken whereby contaminant concentrations recorded in soils have been assessed against *Suitable for Use Levels* (S4ULs) published in 2015 by LQM/CIEH. These precautionary screening levels are designed to be representative of minimal risk to human health in a number of land use scenarios. In this report S4ULs have been selected for a residential land use where the possibility of consumption of homegrown produce exists and assuming a soil organic matter of 2.5 %. For lead, the DEFRA Category 4 Screening Level has been used as this is based on updated toxicological data and a low risk to human health.

An additional set of phytotoxin screening levels have been adopted from 'The Code of Agricultural Practice for the Protection of Soil' Ministry of Agriculture, Fisheries and Food (MAFF), 1993, which are protective of healthy plant growth.

Table 1: Summary of Soils Chemical Analysis Results

CONTAMINANT	UNITS	MAX	MEAN	No of Tests	SCREENING LEVEL (SL)	No > SL*
HUMAN HEALTH RISK ASSESSMENT						
Asbestos in soil	-	Detected	-	7	Detected	2
pH	-	9.6	8.4	6	5 – 9	1
Arsenic	mg.kg ⁻¹	10	7.9	7	37	0
Cadmium	mg.kg ⁻¹	1	0.4	7	11	0
Chromium (total)	mg.kg ⁻¹	84	31.9	7	910	0
Hexavalent Chromium	mg.kg ⁻¹	<4	<4	7	6	0
Lead	mg.kg ⁻¹	180	98.1	7	200	0
Mercury	mg.kg ⁻¹	0.4	<0.3	7	40	0
Nickel	mg.kg ⁻¹	19	15.8	7	130	0
Selenium	mg.kg ⁻¹	5.2	1.7	7	250	0
TPH Aliphatic >EC ₅ - EC ₈	mg.kg ⁻¹	<0.001	<0.001	7	78	0
TPH Aliphatic >EC ₈ - EC ₈	mg.kg ⁻¹	<0.001	<0.001	7	230	0
TPH Aliphatic >EC ₈ - EC ₁₀	mg.kg ⁻¹	<0.001	<0.001	7	65	0
TPH Aliphatic >EC ₁₀ - EC ₁₂	mg.kg ⁻¹	3.9	1.7	7	330	0
TPH Aliphatic >EC ₁₂ - EC ₁₆	mg.kg ⁻¹	49	14.9	7	2400	0
TPH Aliphatic >EC ₁₆ - EC ₂₁	mg.kg ⁻¹	130	43.6	7	92000	0
TPH Aliphatic >EC ₂₁ - EC ₃₅	mg.kg ⁻¹	660	206.7	7	92000	0
TPH Aromatic >EC ₅ - EC ₇	mg.kg ⁻¹	<0.001	<0.001	7	140	0
TPH Aromatic >EC ₇ - EC ₈	mg.kg ⁻¹	<0.001	<0.001	7	290	0
TPH Aromatic >EC ₈ - EC ₁₀	mg.kg ⁻¹	<0.001	<0.001	7	83	0
TPH Aromatic >EC ₁₀ - EC ₁₂	mg.kg ⁻¹	6.8	3.9	7	180	0
TPH Aromatic >EC ₁₂ - EC ₁₆	mg.kg ⁻¹	85	20.6	7	330	0
TPH Aromatic >EC ₁₆ - EC ₂₁	mg.kg ⁻¹	690	133.1	7	540	1
TPH Aromatic >EC ₂₁ - EC ₃₅	mg.kg ⁻¹	2300	472	7	1500	1
Benzene	mg.kg ⁻¹	<1.0	<1.0	7	0.17	0
Toluene	mg.kg ⁻¹	<1.0	<1.0	7	290	0
Ethylbenzene	mg.kg ⁻¹	<1.0	<1.0	7	110	0
Xylene	mg.kg ⁻¹	<1.0	<1.0	7	130	0
Acenaphthene	mg.kg ⁻¹	5.5	0.94	7	510	0
Acenaphthylene	mg.kg ⁻¹	3.4	0.74	7	420	0
Anthracene	mg.kg ⁻¹	10	1.9	7	5400	0
Benzo(a)anthracene	mg.kg ⁻¹	43	9.1	7	11	2
Benzo(a)pyrene	mg.kg ⁻¹	44	9.5	7	2.7	3
Benzo(b)fluoranthene	mg.kg ⁻¹	54	11.2	7	3.3	2
Benzo(ghi)perylene	mg.kg ⁻¹	25	5.9	7	340	0
Benzo(k)fluoranthene	mg.kg ⁻¹	15	3.7	7	93	0
Chrysene	mg.kg ⁻¹	30	6.3	7	22	1
Dibenz(ah)anthracene	mg.kg ⁻¹	5.8	1.3	7	0.28	4
Fluoranthene	mg.kg ⁻¹	79	15.5	7	560	0
Fluorene	mg.kg ⁻¹	4.1	0.75	7	400	0

Indeno(123-cd)pyrene	mg.kg ⁻¹	22	5	7	36	0
Naphthalene	mg.kg ⁻¹	0.57	0.19	7	5.6	0
Phenanthrene	mg.kg ⁻¹	30	6	7	220	0
Pyrene	mg.kg ⁻¹	78	15.3	7	1200	0
Phenol	mg.kg ⁻¹	<1.0	<1.0	7	200	0
PHYTOTOXICITY RISK ASSESSMENT						
	Units	Max	Mean	No of Test	Screening Level (SL)	No > SL
Copper	mg.kg ⁻¹	110	40	7	200	0
Nickel	mg.kg ⁻¹	19	15.8	7	110	0
Zinc	mg.kg ⁻¹	270	118.6	7	300	0

Notes: * Number of samples exceeding screening level

nd = not detected

With regards to zootoxic metals (harmful to human health) and phytotoxic metals (harmful to plant health), none of the contaminants were detected above their respective screening levels.

Asbestos was detected in two locations (MTP203 and MTP204) at depth of 1.5 and 0.5 m bgl, respectively. The asbestos in MTP203 was present as chrysotile (in a visible cement tile fragment), whilst in MTP204 it was present as chrysotile, amosite and crocidolite fibres. With regards to organic contamination, six contaminants were detected above their respective screening levels. Elevated benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene and dibenz(ah)anthracene were found within made ground encountered in MTP201 and MTP209, whilst the latter contaminant was elevated in MTP204 and MTP208. Benzo(a)pyrene was also elevated in MTP204. Elevated chrysene was found in MTP201. Elevated total petroleum hydrocarbons (TPH) were found in made ground present in MTP201.

In conclusion, it appears that relatively low levels of contamination are present sporadically within the made ground which is generally confined to the raised banking areas. Significant contamination is therefore considered unlikely to be present outside the boundary of the Motorsports Centre.

With regard to waste classification, where any visible asbestos fragments are present, a hazardous classification would be triggered for disposal purposes. A hazardous classification would also be triggered in two samples (MTP201 and MTP205) where elevated hydrocarbon contamination was identified. Other made ground soils would likely be classed as non-hazardous waste. WAC testing would be required to determine whether a proportion of the made ground soils could be classed as inert waste and also for those soils destined for hazardous landfill. Natural as-dug arisings could be classed as inert waste without the requirement for WAC testing.

Investigation in South Western Parcel

An investigation was carried out in the south western parcel in order to determine the ground conditions with respect to foundations and the presence/absence of contaminated soils across the site. Access was not available to this land parcel during the previous Idom investigation carried out in September 2015.

Ground Conditions

The windowless sample holes revealed limited thicknesses of topsoil across the site, underlain by natural cohesive and granular soils. Made ground was encountered in MWS201 to a depth of 0.4 m bgl and was described as topsoil containing fragments of ash, brick, concrete, metal and glass. Black coal-like material, along with dark staining and a hydrocarbon odour were noted in this location.

Natural soils initially consisted of interbedded layers of soft / firm clay and clayey, sandy flint gravel, below which vertically persistent firm and stiff clay was present.

Groundwater was observed in four locations at depths ranging from 3.0 to 4.5 m bgl.

Soil Quality

A total of five soil samples were submitted to the laboratory for chemical analysis. This included one sample of made ground, three samples of topsoil and one sample of natural soil. The laboratory chemical analysis certificates are attached to this letter, whilst results are summarised below.

An initial screening exercise has been undertaken whereby contaminant concentrations recorded in soils have been assessed against *Suitable for Use Levels* (S4ULs) published in 2015 by LQM/CIEH. These precautionary screening levels are designed to be representative of minimal risk to human health in a number of land use scenarios. In this report S4ULs have been selected for a residential land use where the possibility of consumption of homegrown produce exists and assuming a soil organic matter of 2.5 %. For lead, the DEFRA Category 4 Screening Level has been used as this is based on updated toxicological data and a low risk to human health.

An additional set of phytotoxin screening levels have been adopted from 'The Code of Agricultural Practice for the Protection of Soil' Ministry of Agriculture, Fisheries and Food (MAFF), 1993, which are protective of healthy plant growth.

The results indicate that no exceedances have been identified within topsoil and natural soil present at the site and that all concentrations of contaminants were found to be well below the screening levels.

Evidence of burning was observed on the surface over a very small area and was only present in the location of MWS201. The evidence was in the form of some residual black material within the upper 200 mm of made ground. A sample of this material recovered from MWS201 was tested and recorded elevated levels of eight speciated PAHs and three bands of TPH (Aromatic).

This localised contamination is unsuitable to remain in the upper profile of garden or soft landscaped areas. Consequently, remedial options include either disposal of the material, which would attract a hazardous classification, or being left in situ, which would require a minimum of 600 mm of clean capping.

Foundations

It is understood that the proposed development will comprise low-rise residential housing with private gardens, parking, soft landscaping and associated infrastructure.

The recent investigation revealed the presence of reasonably competent ground conditions across the site. SPTs undertaken within shallow deposits of clayey sandy gravel revealed 'N' values in the range 24 to 42, indicating the presence of medium dense and dense ground conditions. SPTs performed within the clay recorded 'N' values ranging from 9 to 37, indicating firm medium strength and stiff high strength conditions. In one location (MWS206) SPT 'N' values of 6 and 7 were recorded, indicating loose and soft low strength conditions in the upper 3 m.

Based on the ground conditions encountered, it is envisaged that traditional shallow footings will be acceptable for the majority of the site. Footings can be founded within the medium dense/dense gravel or firm/stiff clay. Minimum founding depths of 0.75 and 1.0 m bgl will apply to the gravel and clay, respectively.

NHBC guidance should be followed where building footprints are proposed within the zone of influence of existing or proposed trees.

Allowable bearing pressures (ABPs) of 100 kN/m² will apply to footings up to 1 m wide founded within firm / stiff clay, whilst where gravel is present at shallow depth, ABPs of 150 kN/m² will apply to footings up to 1 m wide founded within medium dense / dense ground.

In the vicinity of MWS206, an alternative foundation solution will be required if buildings are proposed in this area. Further investigation could be undertaken to determine the extent of the loose / soft ground conditions would confirm if any plots are likely to be affected.

Floor Slabs

In view of presence of cohesive soils at shallow depth across the site, it is recommended that suspended floor slabs are adopted for the proposed development.

Roads and Paved Areas

For preliminary design purposes, it is recommended that a California Bearing Ratio (CBR) value of 2 % is assumed for the shallow clay soils.

Investigation of Weak Cohesive Soils

Two areas of weak soils were identified to the west and southwest of the Motorsports Centre during the 2015 investigation. Eleven trial pits (MTP212 – MTP222) were undertaken to determine the extent of these weak soils. *In situ* undrained shear strength tests were carried out at regular intervals on clay soils using a hand shear vane.

Ground Conditions

Limited thicknesses of topsoil were revealed from ground level across the areas, below which predominantly cohesive soils were encountered. Locally, thin layers of cobbly flint gravel were present.

Undrained shear strengths were generally found to range between 44 and 108 kN/m². These values indicate the presence of initially firm medium strength, becoming stiff high strength ground conditions.

Groundwater was generally absent from the trial pits.

Based on the above findings, the weak soils appear to be limited to the far western portion of the field situated to the west of the Motorsports Centre, whilst in the fields to the southwest, weak soils appear to occur sporadically within the upper 2 m and are limited in extent.

Foundations

The recent investigation has revealed the presence of typically firm medium strength, becoming stiff high strength conditions. Traditional shallow footings are therefore considered acceptable across the majority of the areas investigated, whilst alternative foundation solutions, such as ground improvement, rafts or piles, will need to be considered for the far western portion of the site where vertically persistent soft clays prevail.

Allowable bearing pressures of 100 kN/m² will apply to footings up to 1 m wide founded in firm / stiff clay. Footings should extend below any soft clay encountered at shallow depth.

In the far western portion of the site, ground improvement techniques (*i.e.* vibro stone columns) could be employed. Stone columns would be installed along the lines of all load bearing walls, terminating in stiff clay at depths of around 5 m. This would enable reinforced strip footings to be constructed on the improved ground. Allowable bearing pressures of 100 kN/m² would be achievable for footings up to 1 m wide.

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If ground treatment is not deemed economically or technically suitable or does not yield the required allowable bearing pressures for the imposed building loads, then a piled foundation solution should be adopted.

We trust that the above information is helpful, however, if you have any questions, please do not hesitate to contact the undersigned.

Yours sincerely,



Darren Ettritch

Job position

Cc

Enc Drawing No. 19495-304-004 Rev.A
Exploratory Hole Logs
Chemical Laboratory Test Certificates



Site boundary

Merebrook trial pit with location reference

Merebrook window sample with location reference

Merebrook soakage test pit with location reference

Merebrook cable percussion borehole installed for water level monitoring

Trial pit with location reference

Window sample with location reference

New locations added	13-11-2019		A
	SC	DCE	DCE
Based on IM drawing ref: 19495-304-001	22-08-2017		-
	SC	RH	LGS
Issue Details	Dwn	Chd	App'd

Client

Rydon Homes
&
Gleeson Strategic Land

Prole

Water Lane,
Angmering

Dwg Title

Approximate Site Investigation Locations

Land to the North of Water Lane

Job No. 19495	Dwg No. 304-004	Revision A
Scale 1:2500	Date August 2017	Frame Dimensions mm (A1) 791 x 544
Drawn SC	Checked RH	Approved LGS

London

Kent

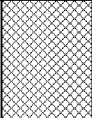
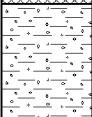
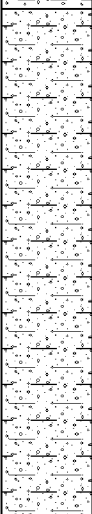
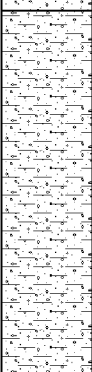
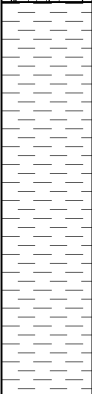
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						Windowless Sample Log		Borehole No. MWS201 Sheet 1 of 1				
Project Name: Land North of Water Lane				Project No. 19495		Co-ords:		Hole Type WLS				
Location: Angmering						Level (m):		Scale 1:25				
Equipment: Tracked Windowless Sample Rig						Dates: 21/10/2019		Logged By RMH				
Well	Wtr Strk	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description				
		Depth (m)	Type	Results								
		0.00 - 0.40	D,J,V		0.40		 MADE GROUND. Vegetation/brambles over dark brown topsoil with ash, brick fragments, concrete, metal, glass and dark staining. <i>Rare black coal-like material with hydrocarbon odour.</i>					
							 Soft brown slightly gravelly CLAY. Gravel is subangular fine to medium flint.					
		1.00	SPT(S)	N=40 (6,7/10,9,10,11)	0.80		 Dense brown very clayey sandy GRAVEL. Sand is coarse, gravel is angular fine to coarse flint with occasional cobbles.					
		2.00	SPT(S)	N=42 (9,10/10,12,10,10)			 Stiff high strength orangish brown sandy very gravelly CLAY. Sand is coarse, gravel is angular fine to coarse flint.					
		3.00	SPT(S)	N=27 (4,5/7,8,7,5)	3.70		 Firm medium strength orangish brown CLAY. <i>From 4.5 m: becoming stiff high strength.</i>					
		4.00	SPT(S)	N=14 (1,2/3,3,4,4)			 End of Borehole at 5.00m					
		5.00	SPT(S)	N=31 (3,4/8,9,7,7)	5.00							
		D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample							SPT(C) = Standard Penetration Test (Cone) SPT(S) = Standard Penetration Test (Split Spoon) HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)			
		Remarks										

					Windowless Sample Log		Borehole No. MWS202 Sheet 1 of 1		
Project Name: Land North of Water Lane				Project No. 19495		Co-ords:		Hole Type WLS	
Location: Angmering						Level (m):		Scale 1:25	
Equipment: Tracked Windowless Sample Rig						Dates: 21/10/2019		Logged By RMH	
Well	Wtr Strk	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10 - 0.30	D,J,V		0.30		TOPSOIL. Grass over dark brown silty sandy loam with regular sub-angular flint gravel. Organic rootlets throughout.	1	
		0.50 - 0.80	D,J,V		0.80		Soft brown gravelly CLAY. Gravel is subangular fine to medium flint.		
		1.00	SPT(S)	N=24 (9,9/7,6,6,5)	1.50		Medium dense light brown very clayey sandy GRAVEL. Sand is coarse, gravel is angular to subangular fine to coarse flint.		
		2.00	SPT(S)	N=16 (1,1/2,3,4,7)	2.50		Firm medium strength light brown CLAY. Becoming stiffer with depth.	2	
		3.00	SPT(S)	N=16 (3,3/4,3,4,5)	3.00		Medium dense light brown clayey sandy GRAVEL. Sand is coarse, gravel is angular fine to medium flint.		
		3.60	SPT(S)	N=37 (8,6/10,9,10,8)			Firm medium strength wet light orangish brown gravelly CLAY. Gravel is angular to subrounded fine to medium flint. (Poor core recovery)		
		4.00	SPT(S)	N=9 (4,2/2,2,2,3)			From 3.6 m: stiff high strength.	4	
							From 4.0 m: firm medium strength.		
			4.70					Firm medium strength bluish grey CLAY.	5
	5.00	SPT(S)	N=15 (3,2/3,4,4,4)	5.00		End of Borehole at 5.00m			
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample						SPT(C) = Standard Penetration Test (Cone) SPT(S) = Standard Penetration Test (Split Spoon) HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)			
Remarks									

					Windowless Sample Log		Borehole No. MWS203 Sheet 1 of 1		
Project Name: Land North of Water Lane				Project No. 19495		Co-ords:		Hole Type WLS	
Location: Angmering						Level (m):		Scale 1:25	
Equipment: Tracked Windowless Sample Rig						Dates: 21/10/2019		Logged By RMH	
Well	Wtr Strk	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.00 - 0.30	D,J,V					TOPSOIL. Grass over dark brown silty sandy loam with regular sub-angular flint gravel. Organic rootlets throughout.	1
					0.30			Soft brown gravelly CLAY. Gravel is subangular fine to medium flint.	
					0.80			Brown clayey sandy GRAVEL. Sand is coarse, gravel is subangular fine to medium flint.	
		1.00	SPT(S)	N=33 (12,11/10,8,8,7)	1.00		Dense brown slightly clayey sandy GRAVEL. Sand is coarse, gravel is subangular fine to medium flint.		
					1.30		Firm medium strength light brown very sandy very gravelly CLAY. Sand is coarse, gravel is angular to subangular fine to coarse flint.		
					2.00			Firm medium strength light brown slightly gravelly CLAY. Gravel is angular fine to coarse flint.	2
		3.00	SPT(S)	N=36 (2,3/9,8,10,9)			Stiff high strength light brown sandy very gravelly CLAY. Sand is coarse, gravel is angular to subangular fine to coarse flint.	3	
					3.30				
		4.00	SPT(S)	N=19 (5,5/4,4,6,5)					4
			5.00	SPT(S)	N=19 (4,3/7,6,3)	5.00		End of Borehole at 5.00m	5
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample SPT(C) = Standard Penetration Test (Cone) SPT(S) = Standard Penetration Test (Split Spoon) HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)							Remarks		

IDom						Windowless Sample Log		Borehole No. MWS204 Sheet 1 of 1	
Project Name: Land North of Water Lane				Project No. 19495		Co-ords:		Hole Type WLS	
Location: Angmering						Level (m):		Scale 1:25	
Equipment: Tracked Windowless Sample Rig						Dates: 21/10/2019		Logged By RMH	
Well	Wtr Strk	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.00 - 0.30	D,J,V		0.30		TOPSOIL. Grass over dark brown silty sandy loam with regular sub-angular flint gravel. Organic rootlets throughout.	1	
		1.00 - 1.50	D,J,V	N=31 (5,6/9,8,7,7)			Firm light brown sandy very gravelly CLAY. Sand is coarse, gravel is angular to subangular fine to coarse flint. Single flint cobble present at 0.5 m.		
		1.00	SPT(S)				From 1.0 m: stiff high strength.		
		2.00	SPT(S)	N=28 (5,5/6,8,8,6)	1.90 2.00		Weak reddish brown MUDSTONE.		
		3.00	SPT(S)	N=9 (3,2/2,2,2,3)			Stiff high strength light brown sandy very gravelly CLAY. Sand is coarse, gravel is angular to subangular fine to coarse flint.		
		4.00	SPT(S)	N=16 (2,2/3,4,5,4)	4.70		From 3.0 m: firm medium strength.	2	
		5.00	SPT(S)	N=9 (2,2/3,2,2,2)	5.00		Firm medium strength bluish grey CLAY.	3	
		End of Borehole at 5.00m						4	
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample SPT(C) = Standard Penetration Test (Cone) SPT(S) = Standard Penetration Test (Split Spoon) HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)						Remarks			

						Windowless Sample Log		Borehole No. MWS205 Sheet 1 of 1	
Project Name: Land North of Water Lane				Project No. 19495		Co-ords:		Hole Type WLS	
Location: Angmering						Level (m):		Scale 1:25	
Equipment: Tracked Windowless Sample Rig						Dates: 21/10/2019		Logged By RMH	
Well	Wtr Strk	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.00 - 0.30	D,J,V		0.30			TOPSOIL. Grass over dark brown silty sandy loam with regular sub-angular flint gravel. Organic rootlets throughout.	1
					0.80			Soft, becoming firm brown slightly gravelly CLAY. Gravel is subangular fine to medium flint.	
		1.00	SPT(S)	N=26 (7,7/7,8,8,3)	1.40			Medium dense brown clayey sandy GRAVEL. Sand is coarse, gravel is angular to subangular fine to coarse flint. Shattered cobble recovered at 1.3 m.	
								Firm medium strength light greenish brown CLAY.	
		2.00	SPT(S)	N=9 (1,2/2,2,2,3)	2.80			Firm medium strength bluish grey CLAY.	
		3.00	SPT(S)	N=13 (2,2/3,3,3,4)				3	
		4.00	SPT(S)	N=13 (1,1/3,2,4,4)				4	
		5.00	SPT(S)	N=13 (1,2/3,3,3,4)	5.00			5	
							End of Borehole at 5.00m		
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample SPT(C) = Standard Penetration Test (Cone) SPT(S) = Standard Penetration Test (Split Spoon) HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)						Remarks			

						Windowless Sample Log		Borehole No. MWS206 Sheet 1 of 1			
Project Name: Land North of Water Lane				Project No. 19495		Co-ords:		Hole Type WLS			
Location: Angmering						Level (m):		Scale 1:25			
Equipment: Tracked Windowless Sample Rig						Dates: 21/10/2019		Logged By RMH			
Well	Wtr Strk	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
		0.00 - 0.30	D,J,V		0.30			TOPSOIL. Grass over dark brown silty sandy loam with regular sub-angular flint gravel. Organic rootlets throughout.	1		
								Soft brown very gravelly CLAY. Gravel is angular to subangular fine to medium flint with the occasional cobbles.			
		1.00	SPT(S)	N=6 (2,2/2,2,1,1)	1.00			Loose brown clayey sandy GRAVEL. Sand is coarse, gravel is angular to subangular fine to medium flint.			
					1.50			Soft low strength greenish grey gravelly CLAY. Gravel is angular to subangular flint and occasional subrounded mudstone.	2		
		2.00	SPT(S)	N=7 (1,1/1,2,2,2)	2.00			Soft low strength bluish grey CLAY.			
		3.00	SPT(S)	N=7 (1,1/1,2,2,2)				3			
		4.00	SPT(S)	N=13 (1,2/3,3,3,4)				From 4.0 m: becoming firm medium strength.	4		
		5.00	SPT(S)	N=16 (2,1/3,3,5,5)	5.00			End of Borehole at 5.00m	5		
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample						SPT(C) = Standard Penetration Test (Cone) SPT(S) = Standard Penetration Test (Split Spoon) HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)				Remarks	

IDom						Windowless Sample Log			Borehole No. MWS207 Sheet 1 of 1	
Project Name: Land North of Water Lane				Project No. 19495		Co-ords:			Hole Type WLS	
Location: Angmering						Level (m):			Scale 1:25	
Equipment: Tracked Windowless Sample Rig						Dates: 21/10/2019			Logged By RMH	
Well	Wtr Strk	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
		0.00 - 0.30	D,J,V					TOPSOIL. Grass over dark brown silty sandy loam with regular sub-angular flint gravel. Organic rootlets throughout.		
					0.30			Soft brown slightly gravelly CLAY. Gravel is subangular fine to medium flint.		
					0.50			Brown clayey sandy GRAVEL. Sand is coarse, gravel is angular to subangular fine to medium flint.		
		0.90 - 1.00	D,J,V		0.90			Firm medium strength light brown CLAY.	1	
		1.00	SPT(S)	N=10 (1,2/3,2,2,3)				Weak orangish brown MUDSTONE. Firm medium strength light brown CLAY.	2	
					1.60					
					1.65					
		2.00	SPT(S)	N=10 (1,2/3,2,2,3)				Firm medium strength brownish grey CLAY.	3	
					2.50					
		3.00	SPT(S)	N=10 (1,2/2,2,3,3)				4		
		4.00	SPT(S)	N=22 (2,2/3,9,6,4)	4.00		Stiff high strength bluish grey CLAY.	5		
		5.00	SPT()	N=12 (1,2/3,2,3,4)	5.00		End of Borehole at 5.00m			
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample SPT(C) = Standard Penetration Test (Cone) SPT(S) = Standard Penetration Test (Split Spoon) HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)							Remarks			

Project Name:	Land North of Water Lane	Project No.	19495	Co-ords: -	Level:	Date	22/10/2019
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Location:	Angmering	Dimensions (m):	2.80	Scale	1:25
Equipment:		Depth	1.80	Logged	RMH

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.10 - 0.30	D,J					MADE GROUND. Topsoil and road arisings matrix including asphalt, brick fragments, concrete, plastic, flint gravel. Rootlets throughout.	
	0.50	D,J		0.50			Soft brownish grey gravelly CLAY with rootlets. Gravel is subangular fine to medium flint.	
				0.70			Soft light brown mottled bluish grey weathered CLAY with rootlets. Large root at 0.8 m.	1
				1.80			End of Pit at 1.800m	2
								3
								4
								5

<p>D = small disturbed sample (tub)</p> <p>J = organic sample (amber glass jar)</p> <p>V = volatile sample (amber glass vial)</p> <p>B = bulk bag sample</p> <p>HSV = hand shear vane (kPa)</p> <p>PP = pocket penetrometer (kg.cm2)</p> <p>PID = photoionisation detector (ppm)</p>	<p>Stability</p> <p>Pit stable.</p>	<p>Remarks</p>
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Project Name:	Land North of Water Lane	Project No.	19495	Co-ords: -	Level:	Date	22/10/2019
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Location:	Angmering	Dimensions (m):	2.30	Scale	1:25
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Equipment:	Depth	2.20	0.70	Logged	RMH
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Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.10 - 0.30	D,J					MADE GROUND. Grass over dark brown slightly sandy gravelly clay with cobble content. Sand is fine to medium. Gravel is sub-angular to angular flint, brick, concrete, ceramics, glass and clay pipe fragments. Cobbles are sub-angular to angular concrete and brick. Rootlets present.	
	0.50	D,J		0.50			MADE GROUND. Soft brown reworked clay with brick, metal, rebar, clay pipe, concrete, glass, wood, asphalt, plastic, polythene, chalk and flint gravel. Boulders and cobbles of concrete and brick.	1
	1.00	D,J						2
				2.20			End of Pit at 2.200m	3
								4
								5

<p>D = small disturbed sample (tub)</p> <p>J = organic sample (amber glass jar)</p> <p>V = volatile sample (amber glass vial)</p> <p>B = bulk bag sample</p> <p>HSV = hand shear vane (kPa)</p> <p>PP = pocket penetrometer (kg.cm2)</p> <p>PID = photoionisation detector (ppm)</p>	<p>Stability</p> <p>Pit stable.</p>	<p>Remarks</p>
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Project Name: Land North of Water Lane		Project No. 19495		Co-ords: -		Date 22/10/2019	
Location: Angmering				Dimensions (m): 2.70		Scale 1:25	
Equipment:				Depth 1.60		Logged RMH	

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.00 - 0.20	D,J		0.20			MADE GROUND. Grass over dark brown slightly sandy gravelly clay with cobble content. Sand is fine to medium. Gravel is sub-angular to angular flint, brick, concrete, ceramics, glass and clay pipe fragments. Cobbles are sub-angular to angular concrete and brick. Rootlets present.
	0.80 - 1.00	D,J		1.20			MADE GROUND. Soft brown reworked clay with brick, metal, rebar, cut stone, concrete, glass, wood, asphalt, plastic, polythene, chalk and flint gravel. Boulders and cobbles of concrete and brick.
	1.50	D		1.50			MADE GROUND. Soft dark bluish grey reworked clay with brick, metal, rebar, clay pipe, concrete, glass, wood, asphalt, plastic, polythene, chalk and flint gravel. Boulders and cobbles of concrete and brick.
				1.60			MADE GROUND. Tarmac/concrete. <i>Small area if dark staining</i> <i>Suspect asbestos cement tile fragment</i> End of Pit at 1.600m

<p>D = small disturbed sample (tub)</p> <p>J = organic sample (amber glass jar)</p> <p>V = volatile sample (amber glass vial)</p> <p>B = bulk bag sample</p> <p>HSV = hand shear vane (kPa)</p> <p>PP = pocket penetrometer (kg.cm2)</p> <p>PID = photoionisation detector (ppm)</p>	<p>Stability</p> <p>Pit stable.</p>	<p>Remarks</p> <p>Terminated at 1.6 m due to tarmac/concrete at base of pit.</p>
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Project Name:	Land North of Water Lane	Project No.	19495	Co-ords: -	Level:	Date	22/10/2019
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Location:	Angmering	Dimensions (m):	2.80	Scale	1:25
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Equipment:	Depth	2.00	0.70	Logged	RMH
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Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.30	D,J		0.40			MADE GROUND. Grass over dark brown slightly sandy gravelly clay with cobble content. Sand is fine to medium. Gravel is sub-angular to angular flint, brick, concrete, ceramics, glass and clay pipe fragments. Cobbles are sub-angular to angular concrete and brick. Rootlets present.	
	0.50	D,J		0.50			MADE GROUND. Soft brown reworked clay with brick, metal, rebar, clay pipe, concrete, glass, wood, asphalt, plastic, polythene, chalk and flint gravel. Boulders and cobbles of concrete and brick.	
	1.50	D,J		2.00			MADE GROUND. Light grey sandy gravelly chalky clay matrix with made ground material of concrete, brick, metal rebar, clay pipe, plastic and wood. Boulders of concrete, concrete slab and brick wall sections.	1
							End of Pit at 2.000m	2
								3
								4
								5

<p>D = small disturbed sample (tub)</p> <p>J = organic sample (amber glass jar)</p> <p>V = volatile sample (amber glass vial)</p> <p>B = bulk bag sample</p> <p>HSV = hand shear vane (kPa)</p> <p>PP = pocket penetrometer (kg.cm2)</p> <p>PID = photoionisation detector (ppm)</p>	<p>Stability</p> <p>Walls collapsed at depth.</p>	<p>Remarks</p>
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Project Name:	Land North of Water Lane	Project No.	19495	Co-ords:	-	Level:		Date	22/10/2019
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Location:	Angmering	Dimensions (m):	2.80	Scale	1:25
Equipment:		Depth	2.80	Logged	RMH

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.40	D,J		0.10			MADE GROUND. Grass over dark brown slightly sandy gravelly clay with cobble content. Sand is fine to medium. Gravel is sub-angular to angular flint, brick, concrete, ceramics, glass and clay pipe fragments. Cobbles are sub-angular to angular concrete and brick. Rootlets present.	
	1.50	D,J		1.50			MADE GROUND. Soft brown reworked clay with brick, metal, rebar, clay pipe, concrete, glass, wood, asphalt, plastic, polythene, chalk and flint gravel. Some cobbles of concrete and brick.	1
				2.80			MADE GROUND. Soft dark grey stained reworked clay with brick, metal, rebar, clay pipe, concrete, glass, wood, asphalt, plastic and polythene. Boulders and cobbles of concrete and brick. Slight hydrocarbon odour.	2
							End of Pit at 2.80m	3
								4
								5

<p>D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)</p>	<p>Stability Pit stable.</p>	<p>Remarks</p>
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Project Name:	Land North of Water Lane	Project No.	19495	Co-ords: -	Level:	Date	22/10/2019
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Location:	Angmering	Dimensions (m):	2.60	Scale	1:25
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Equipment:	Depth	2.20	0.70	Logged	RMH
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Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.30 - 0.40	D,J		0.10			MADE GROUND. Grass over dark brown slightly sandy gravelly clay with cobble content. Sand is fine to medium. Gravel is sub-angular to angular flint, brick, concrete, ceramics, glass and clay pipe fragments. Cobbles are sub-angular to angular concrete and brick. Rootlets present.	
	1.00	D					MADE GROUND. Soft brown reworked clay with brick, metal, rebar, clay pipe, concrete, glass, wood, asphalt, plastic, polythene, chalk and flint gravel. Boulders and cobbles of concrete, brick and asphalt.	1
	2.20	D,J		2.20			Frequent asphalt boulders	2
							End of Pit at 2.200m	3
								4
								5

<p>D = small disturbed sample (tub)</p> <p>J = organic sample (amber glass jar)</p> <p>V = volatile sample (amber glass vial)</p> <p>B = bulk bag sample</p> <p>HSV = hand shear vane (kPa)</p> <p>PP = pocket penetrometer (kg.cm2)</p> <p>PID = photoionisation detector (ppm)</p>	<p>Stability</p> <p>Walls collapsed at depth.</p>	<p>Remarks</p>
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Project Name:	Land North of Water Lane	Project No.	19495	Co-ords:	-	Date	22/10/2019
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Location:	Angmering	Dimensions (m):	2.80	Scale	1:25
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Equipment:	Depth	0.70	Logged	RMH
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Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.30	D,J		0.30			MADE GROUND. Grass over dark brown slightly sandy gravelly clay with cobble content. Sand is fine to medium. Gravel is sub-angular to angular flint, brick, concrete, ceramics, glass and clay pipe fragments. Cobbles are sub-angular to angular concrete and brick. Rootlets present.
	1.80	D,J					MADE GROUND. Soft orangish brown reworked clay with brick, metal, rebar, clay pipe, concrete, glass, wood, asphalt, plastic, polythene, chalk and flint gravel. Rare boulders and cobbles of concrete and brick.
	2.40	D,J		2.30			MADE GROUND. Soft dark stained grey reworked clay with brick, metal, rebar, clay pipe, concrete, glass, wood, asphalt, plastic, polythene, chalk and flint gravel. Rare boulders and cobbles of concrete and brick. Slight hydrocarbon odour.
				2.50			End of Pit at 2.500m

<p>D = small disturbed sample (tub)</p> <p>J = organic sample (amber glass jar)</p> <p>V = volatile sample (amber glass vial)</p> <p>B = bulk bag sample</p> <p>HSV = hand shear vane (kPa)</p> <p>PP = pocket penetrometer (kg.cm2)</p> <p>PID = photoionisation detector (ppm)</p>	<p>Stability</p> <p>Walls collapsed at depth.</p>	<p>Remarks</p>
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Project Name:	Land North of Water Lane	Project No.	19495	Co-ords:	-	Level:		Date	22/10/2019
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Location:	Angmering	Dimensions (m):	2.80	Scale	1:25
Equipment:		Depth	0.70	Logged	RMH
		2.60			

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.40	D,J		0.30			MADE GROUND. Grass over dark brown slightly sandy gravelly clay with cobble content. Sand is fine to medium. Gravel is sub-angular to angular flint, brick, concrete, ceramics, glass and clay pipe fragments. Cobbles are sub-angular to angular concrete and brick. Rootlets present.	
	1.00	D,J		1.20			MADE GROUND. Soft brown reworked clay with brick, metal, rebar, clay pipe, concrete, glass, wood, asphalt, plastic, polythene, chalk and flint gravel. Rare boulders and cobbles of concrete and brick.	1
				2.60			MADE GROUND. Soft dark stained bluish grey reworked clay with brick, metal, rebar, clay pipe, concrete, glass, wood, asphalt, plastic, polythene, chalk and flint gravel. Rare boulders and cobbles of concrete and brick. Rare organic material present. Slight hydrocarbon odour.	2
							End of Pit at 2.600m	3
								4
								5

<p>D = small disturbed sample (tub)</p> <p>J = organic sample (amber glass jar)</p> <p>V = volatile sample (amber glass vial)</p> <p>B = bulk bag sample</p> <p>HSV = hand shear vane (kPa)</p> <p>PP = pocket penetrometer (kg.cm2)</p> <p>PID = photoionisation detector (ppm)</p>	<p>Stability</p> <p>Pit stable.</p>	<p>Remarks</p>
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Project Name:

Land North of Water Lane

Project No.

19495

Co-ords: -

Level:

Date

23/10/2019

Location:

Angmering

Dimensions (m):

2.80

Depth

1.60

0.70

Scale

1:25

Logged

RMH

Equipment:

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.00 - 0.30	D,J		0.30			MADE GROUND. Grass over dark brown slightly sandy gravelly clay with cobble content. Sand is fine to medium. Gravel is sub-angular to angular flint, brick, concrete, ceramics, glass and slate tile fragments. Cobbles are sub-angular to angular concrete and brick. Rootlets present.
							MADE GROUND. Soft brown reworked clay with brick, metal, clay pipe, concrete, glass, asphalt, plastic, chalk and flint gravel. Some cobbles of concrete and brick.
							Flint boulder Concrete boulder
	1.40	D,J		1.40			MADE GROUND. Soft brown reworked clay with many large buried tyres, alongside brick, metal, clay pipe, concrete, glass, asphalt, plastic, chalk and flint gravel. Some cobbles of concrete and brick.
				1.60			End of Pit at 1.600m

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability

Pit unstable and collapses after tyres are removed.

Remarks

Project Name:	Land North of Water Lane	Project No.	19495	Co-ords:	-	Level:		Date	23/10/2019
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Location:	Angmering	Dimensions (m):	2.90	Scale	1:25
Equipment:		Depth	0.70	Logged	RMH
		2.30			

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.30	D,J		0.20			MADE GROUND. Grass over dark brown slightly sandy gravelly clay with cobble content. Sand is fine to medium. Gravel is sub-angular to angular flint, brick, concrete, ceramics, glass and clay pipe fragments. Cobbles are sub-angular to angular concrete and brick. Rootlets present.	
				1.30			MADE GROUND. Soft brown reworked clay with brick, metal, tile, concrete, glass, asphalt, plastic, flint and chalk gravel. Some cobbles of concrete and brick.	1
				1.80			<i>Frequent asphalt</i>	
	2.10	D,J		2.10			MADE GROUND. Firm reworked clayey white chalk with sub-rounded chalk gravel.	2
				2.30			MADE GROUND. Dark grey clayey sandy gravel. Gravel is sub-angular flint, chalk and fragments of brick, ceramic tile and asphalt.	
							End of Pit at 2.300m	
								3
								4
								5

D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)	Stability Pit stable.	Remarks
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Project Name:

Land North of Water Lane

Project No.

19495

Co-ords: -

Level:

Date

22/10/2019

Location:

Angmering

Dimensions (m):

1.80

Depth

1.50

0.70

Scale

1:25

Logged

RMH

Equipment:

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.00 - 0.20	D,J		0.20			MADE GROUND. Black stained sandy gravel with brick fragments, concrete, asphalt and metal.	
	0.40	D,J					MADE GROUND. Soft brown reworked clay with brick, metal, rebar, clay tiles, concrete, glass, asphalt, plastic and flint gravel. Some brick cobbles.	
				1.00			Soft light brown CLAY.	1
				1.50			End of Pit at 1.500m	2
								3
								4
								5

D = small disturbed sample (tub)
 J = organic sample (amber glass jar)
 V = volatile sample (amber glass vial)
 B = bulk bag sample
 HSV = hand shear vane (kPa)
 PP = pocket penetrometer (kg.cm2)
 PID = photoionisation detector (ppm)

Stability
 Pit stable.

Remarks

Project Name:

Land North of Water Lane

Project No.

19495

Co-ords: -

Level:

Date

23/10/2019

Location:

Angmering

Dimensions (m):

3.30

Depth
2.80

0.70

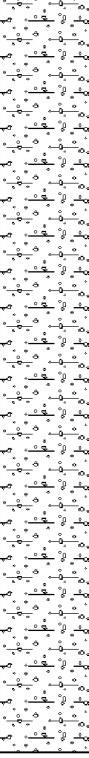
Scale

1:25

Logged

RMH

Equipment:

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30			TOPSOIL. Dark brown gravelly sandy silty loam. Gravel is chalk and sub-angular flint.	
	0.50	HSV	68, 56, 78				Firm medium strength light brown very gravelly cobbly CLAY. Gravel and cobbles are subangular fine to coarse flint and rare fine chalk. Gravel and cobbles become less frequent from 0.7 m.	
	1.00	HSV	72, 68, 48					1
	1.40	HSV	68, 68, 82					
	2.00	HSV	44, 45, 50				<i>Frequent chalk gravel</i>	2
	2.50	HSV	85, 94, 111				<i>From 2.5 m: locally stiff high strength.</i>	
	2.80	HSV	65, 68, 66	2.80			End of Pit at 2.800m	3
								4
								5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Pit stable.

Remarks

Project Name:

Land North of Water Lane

Project No.

19495

Co-ords: -

Level:

Date

23/10/2019

Location:

Angmering

Dimensions (m):

3.30

Depth
2.50

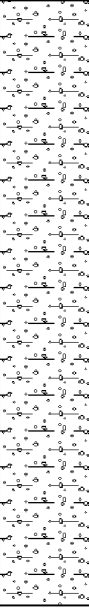
0.70

Scale

1:25

Logged

RMH

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30			TOPSOIL. Dark brown gravelly sandy silty loam. Gravel is sub-angular flint.	
	0.50	HSV	50, 48, 58	0.50			Soft greyish brown gravelly CLAY. Gravel is angular to subangular fine to medium flint.	
	1.00	HSV	94, 98, 103				Firm medium strength, locally stiff high strength light brown very gravelly cobbly CLAY. Gravel and cobbles are subangular fine to coarse flint. Gravel and cobbles become less frequent with depth.	1
	1.50	HSV	60, 90, 72					
	2.00	HSV	60, 65, 64					2
	2.30	HSV	66, 75, 80					
	2.50	HSV	90, 72, 80	2.50				
							End of Pit at 2.500m	3
								4
								5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Pit stable.

Remarks

Project Name:	Land North of Water Lane	Project No.	19495	Co-ords: -	Level:	Date	23/10/2019
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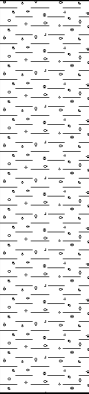
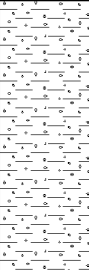
Location:	Angmering	Dimensions (m):	3.20	Scale	1:25
Equipment:		Depth	2.50	Logged	RMH

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30			TOPSOIL. Dark brown gravelly sandy silty loam. Gravel is sub-angular flint.	
	0.50	HSV	70, 64, 55	0.40			Soft greyish brown gravelly CLAY. Gravel is angular to subangular fine to medium flint.	
	1.00	HSV	94, 98, 103				Firm medium strength, locally stiff high strength light brown very gravelly CLAY. Gravel and occasional cobbles are subangular fine to coarse flint and less frequent with depth.	1
	1.50	HSV	60, 90, 72					
	2.00	HSV	60, 60, 71					2
	2.50	HSV	68, 90, 72	2.50			End of Pit at 2.500m	3
								4
								5

<p>D = small disturbed sample (tub)</p> <p>J = organic sample (amber glass jar)</p> <p>V = volatile sample (amber glass vial)</p> <p>B = bulk bag sample</p> <p>HSV = hand shear vane (kPa)</p> <p>PP = pocket penetrometer (kg.cm2)</p> <p>PID = photoionisation detector (ppm)</p>	<p>Stability</p> <p>Pit stable.</p>	<p>Remarks</p>
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Project Name:	Land North of Water Lane	Project No.	19495	Co-ords: -	Level:	Date	23/10/2019
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Location:	Angmering	Dimensions (m):	3.30	Scale	1:25
Equipment:		Depth	2.50	Logged	RMH

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30			TOPSOIL. Dark brown gravelly sandy silty loam. Gravel is sub-angular flint.	
	0.50	HSV	81, 55, 47				Firm medium strength light orangish brown gravelly CLAY. Gravel is subangular fine to coarse flint.	1
	1.00	HSV	90, 138, 136					
	1.50	HSV	69, 90, 100	1.60				
	2.00	HSV	55, 70, 72				Firm medium strength dark grey gravelly CLAY. Gravel is subangular fine to medium chalk with occasional flint cobbles.	2
	2.50	HSV	74, 75, 72	2.50			End of Pit at 2.500m	3
								4
								5

<p>D = small disturbed sample (tub)</p> <p>J = organic sample (amber glass jar)</p> <p>V = volatile sample (amber glass vial)</p> <p>B = bulk bag sample</p> <p>HSV = hand shear vane (kPa)</p> <p>PP = pocket penetrometer (kg.cm2)</p> <p>PID = photoionisation detector (ppm)</p>	<p>Stability</p> <p>Pit stable.</p>	<p>Remarks</p>
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Project Name:	Land North of Water Lane	Project No.	19495	Co-ords:	-	Level:		Date	23/10/2019
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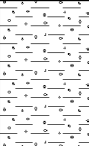
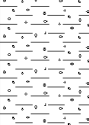
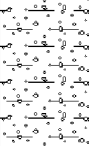
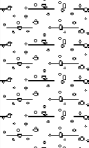
Location:	Angmering	Dimensions (m):	3.20	Scale	1:25
Equipment:		Depth	2.60	Logged	RMH

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30			TOPSOIL. Dark brown gravelly sandy silty loam. Gravel is sub-angular flint.	
	0.50	HSV	55, 54, 65	0.60			Firm medium strength greyish brown slightly gravelly CLAY. Gravel is angular to subangular fine to medium flint.	
	1.00	HSV	57, 70, 66				Firm medium strength orangish brown gravelly CLAY. Gravel is subangular fine to coarse chalk and flint with occasional flint cobbles.	1
	1.50	HSV	86, 104, 95				From 1.5 m: becoming stiff high strength.	
				1.80			Light brown very clayey cobbly GRAVEL. Gravel is subangular fine to coarse flint.	2
				2.20			Stiff high strength, locally firm medium strength orangish brown gravelly CLAY. Gravel is subangular fine to coarse chalk and flint with occasional flint cobbles.	
	2.60	HSV	74, 80, 78	2.60			End of Pit at 2.600m	3
								4
								5

D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)	Stability Pit stable.	Remarks
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Project Name:	Land North of Water Lane	Project No.	19495	Co-ords: -	Level:	Date	23/10/2019
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Location:	Angmering	Dimensions (m):	3.20	Scale	1:25
Equipment:		Depth	2.40	Logged	RMH

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30			TOPSOIL. Dark brown gravelly sandy silty loam. Gravel is sub-angular flint.	
	0.50	HSV	49, 60, 65				Firm medium strength orangish brown gravelly CLAY. Gravel is subangular fine to coarse flint with occasional flint cobbles.	
	1.00	HSV	90, 68, 78				Sub-rounded flint boulder From 1.0 m: stiff high strength, locally firm medium strength.	1
				1.20			Stiff high strength orangish brown very gravelly cobbly CLAY. Gravel and cobbles are subangular fine to coarse flint.	
	1.50	HSV	94, 65, 105	1.40			Stiff high strength, locally firm medium strength orangish brown gravelly CLAY. Gravel is subangular fine to coarse flint with occasional flint cobbles.	2
	2.00	HSV	112, 90, 88					
	2.40	HSV	82, 60, 65	2.40			End of Pit at 2.400m	3
								4
								5

D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)	Stability Pit stable.	Remarks
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Project Name:

Land North of Water Lane

Project No.

19495

Co-ords: -

Level:

Date

23/10/2019

Location:

Angmering

Dimensions (m):

3.20

Depth

2.60

0.70

Scale

1:25

Logged

RMH

Equipment:

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30			TOPSOIL. Dark brown gravelly sandy silty loam. Gravel is sub-angular flint.	
	0.50	HSV	74, 54, 74				Firm medium strength orangish brown gravelly CLAY. Gravel is subangular fine to coarse flint and occasional subrounded fine to coarse chalk at shallow depth. Occasional flint cobbles and boulders.	
							<i>Very gravelly</i>	
	1.00	HSV	60, 58, 68					1
	1.50	HSV	64, 64, 92					
							<i>From 1.5 m: locally stiff high strength.</i>	
	2.00	HSV	70, 72, 76					2
	2.50	HSV	86, 84, 81					
				2.60			End of Pit at 2.600m	3
								4
								5

D = small disturbed sample (tub)
 J = organic sample (amber glass jar)
 V = volatile sample (amber glass vial)
 B = bulk bag sample
 HSV = hand shear vane (kPa)
 PP = pocket penetrometer (kg.cm2)
 PID = photoionisation detector (ppm)

Stability
 Pit stable.

Remarks

Project Name:

Land North of Water Lane

Project No.

19495

Co-ords: -

Level:

Date

23/10/2019

Location:

Angmering

Dimensions (m):

3.30

Depth

2.00

0.70

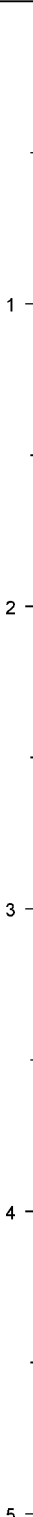
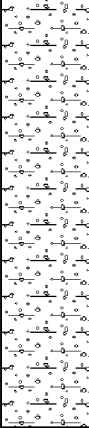
Scale

1:25

Logged

RMH

Equipment:

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.50	HSV	48, 50, 58	0.40			TOPSOIL. Brown slightly gravelly sandy silty loam. Gravel is sub-angular flint.	
				0.50			Soft brown gravelly CLAY. Gravel is subangular fine to medium flint.	
				2.00			Brown clayey sandy very cobbly GRAVEL. Gravel and cobbles are angular to subrounded fine to coarse flint with occasional boulders.	
							End of Pit at 2.000m	

D = small disturbed sample (tub)
 J = organic sample (amber glass jar)
 V = volatile sample (amber glass vial)
 B = bulk bag sample
 HSV = hand shear vane (kPa)
 PP = pocket penetrometer (kg.cm2)
 PID = photoionisation detector (ppm)

Stability

Walls collapsed at depth.

Remarks

Project Name:	Land North of Water Lane	Project No.	19495	Co-ords: -	Level:	Date	23/10/2019
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Location:	Angmering	Dimensions (m):	3.20	Scale	1:25
Equipment:		Depth	2.60	Logged	RMH

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30			TOPSOIL. Dark brown gravelly sandy silty loam. Gravel is sub-angular flint.	
	0.50	HSV	45, 47, 55				Firm medium strength light greyish brown CLAY.	
	1.00	HSV	75, 78, 80	0.90			Stiff high strength orangish brown CLAY.	1
	1.50	HSV	108, 96, 100					
	2.00	HSV	70, 60, 80				From 2.0 m: becoming firm medium strength.	2
	2.50	HSV	48, 52, 44	2.60			End of Pit at 2.600m	3
								4
								5

D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)	Stability Pit stable.	Remarks
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Project Name:

Land North of Water Lane

Project No.

19495

Co-ords: -

Level:

Date

23/10/2019

Location:

Angmering

Dimensions (m):

3.20

Depth

2.50

0.70

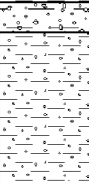
Scale

1:25

Logged

RMH

Equipment:

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.40			TOPSOIL. Dark brown gravelly sandy silty loam. Gravel is sub-angular flint. Gravel is frequent on surface.	
	0.50	HSV	50, 54, 49				Firm medium strength orangish brown CLAY with occasional subangular fine to medium flint gravel in upper 1m.	1
	1.00	HSV	68, 55, 85					
	1.80	HSV	129, >140, 115	1.90 2.00			Brown clayey sandy very cobbly GRAVEL. Gravel and cobbles are angular to subrounded fine to coarse flint with occasional boulders. Stiff high strength, locally firm medium strength orangish brown gravelly CLAY. Gravel is subangular fine to coarse flint with occasional flint cobbles.	2
	2.40	HSV	60, 135, 85	2.50			End of Pit at 2.500m	3
								4
								5

D = small disturbed sample (tub)
J = organic sample (amber glass jar)
V = volatile sample (amber glass vial)
B = bulk bag sample
HSV = hand shear vane (kPa)
PP = pocket penetrometer (kg.cm2)
PID = photoionisation detector (ppm)

Stability
Pit stable.

Remarks

Project Name:	Land North of Water Lane	Project No.	19495	Co-ords: -	Level:	Date	23/10/2019
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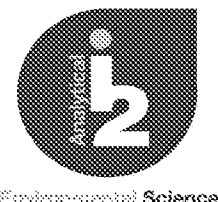
Location:	Angmering	Dimensions (m):	3.20	Scale	1:25
Equipment:		Depth	2.60	Logged	RMH

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30			TOPSOIL. Dark brown gravelly sandy silty loam. Gravel is sub-angular flint. Flint gravel and cobbles frequent on surface.	
	0.50	HSV	48, 51, 47				Firm medium strength orangish brown mottled grey gravelly CLAY. Gravel is subangular fine to medium flint with occasional flint cobbles.	1
	1.00	HSV	56, 56, 75					
	1.50	HSV	68, 88, 74	1.50			Firm medium strength grey mottled orangish brown gravelly CLAY. Gravel is subangular fine to coarse flint with occasional flint cobbles.	2
	2.00	HSV	84, 86, 74					
	2.60	HSV	74, 74, 75	2.60			End of Pit at 2.600m	3
								4
								5

D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)	Stability Pit stable.	Remarks
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e: dettritch@idom.com



Analytical Report Number : 19-68574

Project / Site name:	Land North of Water Lane, Angmering	Samples received on:	25/10/2019
Your job number:	19495	Samples instructed on:	28/10/2019
Your order number:	19-S2-FDO-LABS	Analysis completed by:	04/11/2019
Report Issue Number:	1	Report issued on:	05/11/2019
Samples Analysed:	1 bulk sample - 12 soil samples		

Signed:



Will Fardon

Technical Reviewer (CS Team)
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

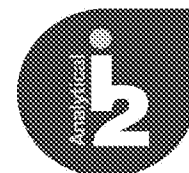
Standard sample disposal times, unless otherwise agreed with the laboratory, are :	soils	- 4 weeks from reporting
	leachates	- 2 weeks from reporting
	waters	- 2 weeks from reporting
	asbestos	- 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement uncertainty can be provided on request.



4841



Environmental Science

Analytical Report Number: 19-68574

Project / Site name: Land North of Water Lane, Angmering

Your Order No: 19-S2-FDO-LABS

Lab Sample Number				1344564	1344565	1344566	1344567	1344568
Sample Reference				MWS201 - Black material	MWS202	MWS204	MWS204	MWS207
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.00-0.40	0.10-0.30	0.00-0.30	1.00-1.50	0.00-0.30
Date Sampled				21/10/2019	21/10/2019	21/10/2019	21/10/2019	21/10/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	-	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	0.99	14	-	10	19
Total mass of sample received	kg	0.001	NONE	0.92	1.1	-	1.3	1.2

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	-	Not-detected

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	9.4	7.0	-	7.9	7.5
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	-	< 1	< 1
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.12	0.012	-	0.035	0.017
Sulphide	mg/kg	1	MCERTS	120	< 1.0	-	2.0	< 1.0
Organic Matter	%	0.1	MCERTS	7.4	3.9	-	0.5	3.1

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	12	< 1.0	-	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	73	< 0.05	-	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	19	< 0.05	-	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	52	< 0.05	-	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	89	< 0.05	-	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	380	0.17	-	< 0.05	0.31
Anthracene	mg/kg	0.05	MCERTS	110	< 0.05	-	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	380	0.61	-	< 0.05	0.78
Pyrene	mg/kg	0.05	MCERTS	320	0.58	-	< 0.05	0.79
Benzo(a)anthracene	mg/kg	0.05	MCERTS	150	0.45	-	< 0.05	0.44
Chrysene	mg/kg	0.05	MCERTS	100	0.32	-	< 0.05	0.37
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	130	0.54	-	< 0.05	0.50
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	47	0.25	-	< 0.05	0.28
Benzo(a)pyrene	mg/kg	0.05	MCERTS	110	0.46	-	< 0.05	0.48
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	44	0.23	-	< 0.05	0.27
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	12	< 0.05	-	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	46	0.33	-	< 0.05	0.35

Total PAH

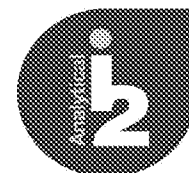
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	2060	3.94	-	< 0.80	4.57
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	6.2	7.7	-	16	7.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.2	0.4	-	< 0.2	0.3
Chromium (hexavalent)	mg/kg	4	MCERTS	< 4.0	< 4.0	-	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	9.6	25	-	42	23
Copper (aqua regia extractable)	mg/kg	1	MCERTS	11	19	-	24	15
Lead (aqua regia extractable)	mg/kg	1	MCERTS	30	31	-	12	24
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	5.3	14	-	39	12
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	1.8	-	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	37	60	-	60	47



4841



Environmental Science

Analytical Report Number: 19-68574

Project / Site name: Land North of Water Lane, Angmering

Your Order No: 19-S2-FDO-LABS

Lab Sample Number				1344564	1344565	1344566	1344567	1344568
Sample Reference				MWS201 - Black material	MWS202	MWS204	MWS204	MWS207
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.00-0.40	0.10-0.30	0.00-0.30	1.00-1.50	0.00-0.30
Date Sampled				21/10/2019	21/10/2019	21/10/2019	21/10/2019	21/10/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)				Units	Limit of detection	Accreditation Status		

Monoaromatics & Oxygenates

Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	1.6	< 1.0	-	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	3.7	< 1.0	-	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	3.5	< 1.0	-	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0

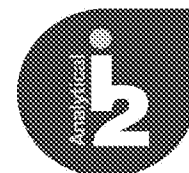
Petroleum Hydrocarbons

TPH-CWG - Aliphatic > EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	< 0.001	< 0.001
TPH-CWG - Aliphatic > EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	< 0.001	< 0.001
TPH-CWG - Aliphatic > EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	< 0.001	< 0.001
TPH-CWG - Aliphatic > EC10 - EC12	mg/kg	1	MCERTS	59	< 1.0	-	< 1.0	< 1.0
TPH-CWG - Aliphatic > EC12 - EC16	mg/kg	2	MCERTS	380	< 2.0	-	< 2.0	< 2.0
TPH-CWG - Aliphatic > EC16 - EC21	mg/kg	8	MCERTS	680	< 8.0	-	< 8.0	< 8.0
TPH-CWG - Aliphatic > EC21 - EC35	mg/kg	8	MCERTS	2100	< 8.0	-	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	3200	< 10	-	< 10	< 10

TPH-CWG - Aromatic > EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	< 0.001	< 0.001
TPH-CWG - Aromatic > EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	< 0.001	< 0.001
TPH-CWG - Aromatic > EC8 - EC10	mg/kg	0.001	MCERTS	0.020	< 0.001	-	< 0.001	< 0.001
TPH-CWG - Aromatic > EC10 - EC12	mg/kg	1	MCERTS	280	< 1.0	-	< 1.0	5.5
TPH-CWG - Aromatic > EC12 - EC16	mg/kg	2	MCERTS	1900	< 2.0	-	< 2.0	3.2
TPH-CWG - Aromatic > EC16 - EC21	mg/kg	10	MCERTS	8100	< 10	-	< 10	< 10
TPH-CWG - Aromatic > EC21 - EC35	mg/kg	10	MCERTS	12000	27	-	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	22000	37	-	< 10	22



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Environmental Science

Analytical Report Number: 19-68574

Project / Site name: Land North of Water Lane, Angmering

Your Order No: 19-S2-FDO-LABS

Lab Sample Number				1344569	1344570	1344571	1344572	1344573
Sample Reference				MTP201	MTP203	MTP204	MTP205	MTP207
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10-0.30	0.80-1.00	0.50	1.50	1.80
Date Sampled				22/10/2019	22/10/2019	22/10/2019	22/10/2019	22/10/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	8.9	17	12	20	12
Total mass of sample received	kg	0.001	NONE	1.3	1.2	1.2	0.96	1.2

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	Chrysotile & Amosite & Crocidolite	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	-	Detected	Not-detected	Not-detected

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	9.6	8.2	8.2	8.1	8.2
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1	< 1
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.40	0.032	0.42	0.91	0.019
Sulphide	mg/kg	1	MCERTS	450	< 1.0	3.6	36	< 1.0
Organic Matter	%	0.1	MCERTS	11	1.4	1.1	7.2	1.3

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.57	0.27	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	3.4	< 0.05	0.24	0.19	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	5.5	< 0.05	0.17	0.31	< 0.05
Fluorene	mg/kg	0.05	MCERTS	4.1	< 0.05	0.21	0.42	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	30	0.26	2.9	2.0	0.53
Anthracene	mg/kg	0.05	MCERTS	10	< 0.05	0.59	0.58	0.14
Fluoranthene	mg/kg	0.05	MCERTS	79	0.66	5.0	3.3	1.4
Pyrene	mg/kg	0.05	MCERTS	78	0.60	4.8	3.1	1.4
Benzo(a)anthracene	mg/kg	0.05	MCERTS	43	0.43	3.2	2.0	0.97
Chrysene	mg/kg	0.05	MCERTS	30	0.36	2.2	1.3	0.66
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	54	0.61	3.2	2.3	1.1
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	15	0.17	1.3	0.45	0.49
Benzo(a)pyrene	mg/kg	0.05	MCERTS	44	0.41	2.8	1.7	1.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	22	0.26	1.6	0.84	0.59
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	5.8	< 0.05	0.42	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	25	0.30	1.8	1.2	0.72

Total PAH

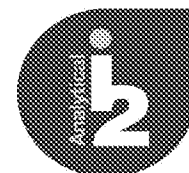
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	448	4.06	30.9	20.0	9.04
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	7.6	8.0	6.2	7.7	9.0
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.3	0.3	0.2	1.0	0.3
Chromium (hexavalent)	mg/kg	4	MCERTS	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	84	22	12	26	26
Copper (aqua regia extractable)	mg/kg	1	MCERTS	41	23	24	110	24
Lead (aqua regia extractable)	mg/kg	1	MCERTS	73	52	180	140	38
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	0.4	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	15	16	9.3	14	19
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	5.2	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	89	69	120	270	72



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Environmental Science

Analytical Report Number: 19-68574

Project / Site name: Land North of Water Lane, Angmering

Your Order No: 19-S2-FDO-LABS

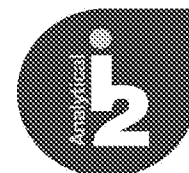
Lab Sample Number				1344569	1344570	1344571	1344572	1344573
Sample Reference				MTP201	MTP203	MTP204	MTP205	MTP207
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10-0.30	0.80-1.00	0.50	1.50	1.80
Date Sampled				22/10/2019	22/10/2019	22/10/2019	22/10/2019	22/10/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic > EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic > EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic > EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic > EC10 - EC12	mg/kg	1	MCERTS	3.9	< 1.0	< 1.0	1.8	< 1.0
TPH-CWG - Aliphatic > EC12 - EC16	mg/kg	2	MCERTS	37	< 2.0	< 2.0	49	< 2.0
TPH-CWG - Aliphatic > EC16 - EC21	mg/kg	8	MCERTS	110	< 8.0	< 8.0	130	< 8.0
TPH-CWG - Aliphatic > EC21 - EC35	mg/kg	8	MCERTS	660	< 8.0	< 8.0	520	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	810	< 10	< 10	690	< 10
TPH-CWG - Aromatic > EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic > EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic > EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic > EC10 - EC12	mg/kg	1	MCERTS	2.0	2.3	4.1	6.8	< 1.0
TPH-CWG - Aromatic > EC12 - EC16	mg/kg	2	MCERTS	85	5.5	5.1	34	< 2.0
TPH-CWG - Aromatic > EC16 - EC21	mg/kg	10	MCERTS	690	11	30	88	< 10
TPH-CWG - Aromatic > EC21 - EC35	mg/kg	10	MCERTS	2300	11	89	310	32
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	3100	29	130	440	41



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Environmental Science

Analytical Report Number: 19-68574

Project / Site name: Land North of Water Lane, Angmering

Your Order No: 19-S2-FDO-LABS

Lab Sample Number				1344574	1344575			
Sample Reference				MTP208	MTP209			
Sample Number				None Supplied	None Supplied			
Depth (m)				1.00	0.00-0.30			
Date Sampled				22/10/2019	23/10/2019			
Time Taken				None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1			
Moisture Content	%	N/A	NONE	13	6.1			
Total mass of sample received	kg	0.001	NONE	1.2	1.3			

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-			
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected			

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.1	8.7			
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1			
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.084	0.063			
Sulphide	mg/kg	1	MCERTS	1.2	45			
Organic Matter	%	0.1	MCERTS	2.5	6.4			

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0			
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	0.32			
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	1.2			
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	0.45			
Fluorene	mg/kg	0.05	MCERTS	< 0.05	0.35			
Phenanthrene	mg/kg	0.05	MCERTS	1.2	4.8			
Anthracene	mg/kg	0.05	MCERTS	0.31	1.7			
Fluoranthene	mg/kg	0.05	MCERTS	2.9	16			
Pyrene	mg/kg	0.05	MCERTS	3.0	16			
Benzo(a)anthracene	mg/kg	0.05	MCERTS	2.2	12			
Chrysene	mg/kg	0.05	MCERTS	1.4	8.1			
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	2.5	15			
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	1.1	7.5			
Benzo(a)pyrene	mg/kg	0.05	MCERTS	2.3	14			
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	1.4	8.5			
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.32	2.5			
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.6	11			

Total PAH

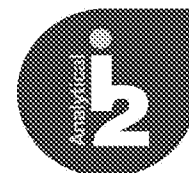
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	20.2	120			
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	10	6.6			
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.4	0.3			
Chromium (hexavalent)	mg/kg	4	MCERTS	< 4.0	< 4.0			
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	25	28			
Copper (aqua regia extractable)	mg/kg	1	MCERTS	26	33			
Lead (aqua regia extractable)	mg/kg	1	MCERTS	94	110			
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3			
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	18	19			
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	1.5			
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	90	120			



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Environmental Science

Analytical Report Number: 19-68574

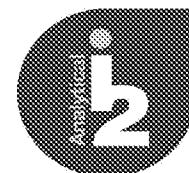
Project / Site name: Land North of Water Lane, Angmering

Your Order No: 19-S2-FDO-LABS

Lab Sample Number				1344574	1344575			
Sample Reference				MTP208	MTP209			
Sample Number				None Supplied	None Supplied			
Depth (m)				1.00	0.00-0.30			
Date Sampled				22/10/2019	23/10/2019			
Time Taken				None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Monocaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0			
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0			
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0			
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0			
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0			
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0			

Petroleum Hydrocarbons

TPH-CWG - Aliphatic > EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001			
TPH-CWG - Aliphatic > EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001			
TPH-CWG - Aliphatic > EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001			
TPH-CWG - Aliphatic > EC10 - EC12	mg/kg	1	MCERTS	< 1.0	2.2			
TPH-CWG - Aliphatic > EC12 - EC16	mg/kg	2	MCERTS	< 2.0	10			
TPH-CWG - Aliphatic > EC16 - EC21	mg/kg	8	MCERTS	< 8.0	33			
TPH-CWG - Aliphatic > EC21 - EC35	mg/kg	8	MCERTS	43	200			
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	47	250			
TPH-CWG - Aromatic > EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001			
TPH-CWG - Aromatic > EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001			
TPH-CWG - Aromatic > EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001			
TPH-CWG - Aromatic > EC10 - EC12	mg/kg	1	MCERTS	6.3	4.7			
TPH-CWG - Aromatic > EC12 - EC16	mg/kg	2	MCERTS	4.2	8.4			
TPH-CWG - Aromatic > EC16 - EC21	mg/kg	10	MCERTS	22	81			
TPH-CWG - Aromatic > EC21 - EC35	mg/kg	10	MCERTS	92	470			
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	130	560			



Environmental Science

Analytical Report Number: 19-68574

Project / Site name: Land North of Water Lane, Angmering

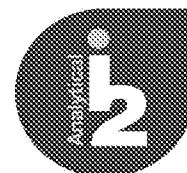
Lab Sample Number				1344576				
Sample Reference				MTP203 - ACM				
Sample Number				None Supplied				
Depth (m)				1.50				
Date Sampled				22/10/2019				
Time Taken				None Supplied				
Analytical Parameter (Bulk Analysis)	Units	Limit of detection	Accreditation Status					
Asbestos Identification	Type	N/A	ISO 17025	Chrysotile - Hard/Cement Type Material				



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MCERTS



Environmental Science

Analytical Report Number : 19-68574**Project / Site name: Land North of Water Lane, Angmering**

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1344564	201 - Black m	None Supplied	0.00-0.40	Brown clay and sand with gravel.
1344565	MWS202	None Supplied	0.10-0.30	Brown loam and clay with gravel and vegetation.
1344566	MWS204	None Supplied	0.00-0.30	-
1344567	MWS204	None Supplied	1.00-1.50	Brown clay and sand with gravel and vegetation.
1344568	MWS207	None Supplied	0.00-0.30	Brown loam and clay with gravel and vegetation.
1344569	MTP201	None Supplied	0.10-0.30	Brown loam and clay with gravel and vegetation.
1344570	MTP203	None Supplied	0.80-1.00	Brown loam and clay with gravel and vegetation.
1344571	MTP204	None Supplied	0.50	Brown clay and sand with gravel and vegetation.
1344572	MTP205	None Supplied	1.50	Brown loam and clay with gravel and vegetation.
1344573	MTP207	None Supplied	1.80	Brown loam and clay with gravel and vegetation.
1344574	MTP208	None Supplied	1.00	Brown loam and clay with gravel and vegetation.
1344575	MTP209	None Supplied	0.00-0.30	Brown loam and clay with gravel and vegetation.



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Environmental Science

Analytical Report Number : 19-68574**Project / Site name: Land North of Water Lane, Angmering****Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Water (PrW)**

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Bulks	Asbestos Identification in bulk material with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	W	ISO 17025
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 dphenylcarbazine followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In-house method based on BS1377 Part 2, 1990, Classification tests	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	BS1377 Part 3, 1990, Chemical and Electrochemical Tests""	L009-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L099-PL	D	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests, 2:1 water:soil extraction, analysis by ICP-OES.	L038-PL	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode.	In-house method	L010-PL	D	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	MCERTS

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.**For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.****Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.**

Sample Deviation Report



Sample ID	Other ID	Sample Type	Job	Sample Number	Sample Deviation Code	test_name	test_ref	Test Deviation code
MTP201		S	19-68574	1344569	b	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	b
MTP201		S	19-68574	1344569	b	TPHCWG (Soil)	L088/76-PL	b
MTP201		S	19-68574	1344569	b	Total cyanide in soil	L080-PL	c
MTP203		S	19-68574	1344570	b	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	b
MTP203		S	19-68574	1344570	b	TPHCWG (Soil)	L088/76-PL	b
MTP203		S	19-68574	1344570	b	Total cyanide in soil	L080-PL	c
MTP204		S	19-68574	1344571	b	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	b
MTP204		S	19-68574	1344571	b	TPHCWG (Soil)	L088/76-PL	b
MTP204		S	19-68574	1344571	b	Total cyanide in soil	L080-PL	c
MTP205		S	19-68574	1344572	b	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	b
MTP205		S	19-68574	1344572	b	TPHCWG (Soil)	L088/76-PL	b
MTP205		S	19-68574	1344572	b	Total cyanide in soil	L080-PL	c
MTP207		S	19-68574	1344573	b	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	b
MTP207		S	19-68574	1344573	b	TPHCWG (Soil)	L088/76-PL	b
MTP207		S	19-68574	1344573	b	Total cyanide in soil	L080-PL	c
MTP208		S	19-68574	1344574	b	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	b
MTP208		S	19-68574	1344574	b	TPHCWG (Soil)	L088/76-PL	b
MTP208		S	19-68574	1344574	b	Total cyanide in soil	L080-PL	c
MTP209		S	19-68574	1344575	b	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	b
MTP209		S	19-68574	1344575	b	TPHCWG (Soil)	L088/76-PL	b
MTP209		S	19-68574	1344575	b	Total cyanide in soil	L080-PL	c
MWS201 - Black material		S	19-68574	1344564	bc	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	b
MWS201 - Black material		S	19-68574	1344564	bc	Monohydric phenols in soil	L080-PL	b
MWS201 - Black material		S	19-68574	1344564	bc	Speciated EPA-16 PAHs in soil	L064-PL	b
MWS201 - Black material		S	19-68574	1344564	bc	TPHCWG (Soil)	L088/76-PL	b
MWS201 - Black material		S	19-68574	1344564	bc	Total cyanide in soil	L080-PL	c
MWS202		S	19-68574	1344565	bc	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	b
MWS202		S	19-68574	1344565	bc	TPHCWG (Soil)	L088/76-PL	b
MWS202		S	19-68574	1344565	bc	Total cyanide in soil	L080-PL	c
MWS204		S	19-68574	1344567	bc	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	b
MWS204		S	19-68574	1344567	bc	TPHCWG (Soil)	L088/76-PL	b
MWS204		S	19-68574	1344567	bc	Total cyanide in soil	L080-PL	c
MWS207		S	19-68574	1344568	bc	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	b
MWS207		S	19-68574	1344568	bc	TPHCWG (Soil)	L088/76-PL	b
MWS207		S	19-68574	1344568	bc	Total cyanide in soil	L080-PL	c

Key: a - No sampling date b - Incorrect container
c - Holding time d - Headspace e - Temperature